

CA FINAL

RISK MANAGEMENT

NOV 2020 PAPER ANALYSIS

CASE STUDY 3

By Sanjay Saraf Sir

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The Risk Management paper of CA Final Nov 2020 Exam was considered to be a challenging paper bymost studentswho appeared for the Exam. It was challenging in the sense that people could not find the answers from the mapping sheet in the ICAI Study Mat. It was challenging in the sense that most of the questions were applicative wherein:

- you know where the Risk Register topic is in the study mat, but you have to write something else
- you know where RCSA is in study mat, but you have to write about the application of RCSA in that particular case study
- you know what is strategic risk-you can pretty much find it in the study mat, but you have to talk about the **key drivers** of strategic risk.

So, it was applicative-applicative-applicative all through out. Even the MCQs were more-or-less related to the case study and not to be found from the institute'smat. All case studies required use of the exam taker's brain& judgement rather than just reproducing content from the mat. My question to you is---- isn't that what case studies actually mean and should be like???!

So, people were obviously surprised because they could not find the arbitrage opportunity that was there in the previous RM papers to date.

Was it different for other elective papers?

No, even the other elective paper have the same status. But RM is in the limelightmore because most people are doing RM these days and they have heard stories of people enjoying arbitrage in the past. As students of the RM paper, you will understand and acknowledge that markets are efficient and arbitrageitself leads to wiping out of the available opportunity. You, as budding CA's with RM as your elective (or specialization) have tonow upgrade your levels. You got to understand that ICAI'sstudy mat and mapping-sheet are now matters of the past and just a hoax now forth. Thesewouldn't help you on standalone basis now—that'sguaranteed. What's required of you now is that whatever topic you are doing-- alongwith in-depth knowledge of it,you got to keep an open mind about its concept—use your brain,general understanding &common sense involved in the topic--- be it regarding Risk Based Internal Audit, be it risk and control matrix(RCM), risk management strategies, reputation risk, governance risk, enterprise risk management, risk maturity of an organization or any other concept.

So this paper is causing a sea- change in the way in which Risk Management paper shall be set in future.

I have carried out a deep analysis of each & every Case Study-- provided multiple answers wherever there was a scope of ambiguity. It's a subjective paper and the answers are based on my judgement and are not provided by ICAI. As always, confusion arises (and will arise) when ICAI comes out with their suggested answers.

When they do, please look at them in detail and remember that ICAI's answers are supposed to be given more importance(even if it defies logic) than the answers that I have reproduced below.

Note:

- ✓ For Jan 21 exam, I will be sharing a number of insights in the coming days.
- ✓ Also, I have already announced fresh batches in both English and Hindi for RM to begin from 4th Jan Live at Home on the Ulurn Portal. These are obviously for the May 21 exams and beyond.

Sanjay Sir

STAY TUNED ON SSEI QFORUM FOR ANALYSIS OF CASE STUDIES 4 & 5



CA FINAL RISK MANAGEMENT

NOV 20 PAPER ANALYSIS

Case Study 3 : STEPOIL

Synopsis:

- StepOil, Mumbai is a top10 O&G producer with Rs700billion revenue and 23000 Ees in 2020.
- Known for operational excellence, leader in offshore oil production
- Sold its downstream and petro business in past years—now heavily focussed in upstream activities (major Indian ops, international forms smaller part)
- Trading portfolio managed by qualified PM
- 4 more focus areas—mkting, tech, exploration and strategy
- ERM introduced in 2014 to manage the complex business structure of Stepoil headed by Mr Aman, who will systemize risk mgt in finance dept—managed as a portfolio of risks with central oversight.
- CEO wants to now apply this to whole company and manage risks in integrated manner.
- 2016—Risk Committee formed with Head of Strategy, Treasury, Chief Controller, Internal Control and CRO—so that all professionals can put proposals and recomm, analysis etc.
- CRO yet to get authority and autonomy—resistance from CEO
- Internal Audit team not cooperating with ERM implementation—worried about reduced authority
- Majority ppl (including senior execs) feel that ERM is an administrative burden with nothing in it for them



- Mr Aman and CRO demonstrate (by finance dept txns) how silo thinking makes less sense and ERM is instrumental.
- 2018—Risk Dept formally set up with CRO heading it—to develop a consolidated risk model.
- CRO proposes using VAR technique to quantify risk for easier understanding— Board members apprehensive about using a mechanical process like VAR.
- CROs focus is to convince Board about developing a ERM approach with a valuecreation principle and which is thoroughly embedded at business unit level.
- Board wants to understand Risk culture—CRO appoints Independent Consultant for assessment.
- BCP currently managed by Cyber sec team (separate from ERM) as they believe BCP and ERM are not linked.

Nutshell:

Complex business structure with varied functional areas. Senior Execs n Board resistant to change/ fail to support Risk Officer in integrating various risk functions...fixated on Silo thinking.

ERM introduced, but with resistance from various pockets and hence less effective as its not integrated well into company fabric.



MULTIPLE CHOICE QUESTIONS

3.1. Option A. It is a Unified Method of Measuring Risk

The statement is correct. VaR is a unified method of measuring risk because all risk can be aggregated using VaR.

Option B. VaR does not measure liquidity risk.

The statement is correct. If you are having some positions, you may not be able to sell it at normal prices if there is liquidity crisis but VaR does not capture the same.

Option C. VaR does not measure operational risk.

The statement is incorrect because we do calculate operational VaR. In fact if the statement were to be correct, then option A is also wrong because option A is unified method of measuring risk - how will you unify or aggregate risk if VaR cannot capture operational risk.

Option D. VaR is not Risk Management.

This is very bad language first of all, I think. Whoever design this language is totally insane. They mean to say, VaR is a tool which is designed to measure risk -it is part of risk management but VaR itself is not risk management. So, that way, the statement is correct.

So, which is the correct answer ?

Option C because the question was which of the following is **incorrect** with respect of VaR. So, statement C is incorrect.

Sanjay Sir's Comment :

It is but obvious that ICAI will give at least 1 case study focusing on chapter 5. Students who have not done RM classes from me will face a tremendous problem in understanding even the A B C of chapter 4. In fact, a YouTuber pointed out that the answer is Option D. This means according to that person, VaR is risk management. Also, according to that person, VaR does not measure Operational Risk – if that were true, what is BASEL II and it's subsequent development all about? – why do we have Operational Risk Chapter in the Curriculum? Also, then how can VaR be a unified measure of Risk as in Option A? **Average Performance would be Poor**.



3.2. Option A. ERM is the process of effected by entity's Board of Directors, Management and other personnel

The statement is correct. Obviously ERM is holistic - it is integrated and therefore, it is has to be affected by everybody from top to bottom - everybody has participate in its implementation and making it effective.

Option B. It is applied in strategic setting and across the enterprise.

This statement is correct. The whole approach of ERM is strategic as it aims to enable an organization to create, preserve and realize value for stakeholders.

Option C. It is manages risk to be within the risk appetite.

The statement is correct. This is the very basic of ERM. You have to ensure that assessed risk stays within Risk Appetite.

Option D. It provides complete assurance regarding the achievement of entities objective.

The statement is incorrect. ERM provides reasonable assurance and not complete insurance. In fact, there is no Risk Management approach that can provide complete assurance.

Sanjay Sir's Comment :

This is a straight forward MCQ framed from Page 8.3 of ICAI Study Mat and could have been spotted from Mapping Sheet. **Average performance would have been good.**



3.3. Option A. The model calculates potential losses using actual historical returns in the risk factors and so captures the normal distribution of risk factor returns.

The statement is incorrect.

| Calculation of 95% VaR using Historical Simulation method | | | | |
|-----------------------------------------------------------|--------------------------|--|--|--|
| Stock | Reliance Industries Ltd. | | | |
| Date | 12/14/2020 | | | |
| Quantity | 1000 | | | |
| Price | 1,993.55 | | | |
| Portfolio Value | 1993550 | | | |
| 95% VaR | -61041.76303 | | | |

| Date | Price | Returns | Portfolio Gain/Losses | Worst to best |
|--------------|----------|---------|-----------------------|---------------|
| Dec 14, 2020 | 1,993.55 | -0.611% | -12175.18571 | -262224.4092 |
| Dec 11, 2020 | 2,005.80 | -0.060% | -1191.958146 | -246021.11 |
| Dec 10, 2020 | 2,007.00 | -0.984% | -19621.26471 | -171797.531 |
| Dec 09, 2020 | 2,026.95 | 1.665% | 33196.66959 | -161607.6955 |
| Dec 08, 2020 | 1,993.75 | 1.815% | 36191.75901 | -156487.5341 |
| Dec 07, 2020 | 1,958.20 | 0.588% | 11725.25876 | -123327.7655 |
| Dec 04, 2020 | 1,946.75 | -0.881% | -17559.84573 | -104580.2853 |
| Dec 03, 2020 | 1,964.05 | 0.301% | 6006.6619 | -83536.77892 |
| Dec 02, 2020 | 1,958.15 | 0.166% | 3314.255205 | -82835.33203 |
| Dec 01, 2020 | 1,954.90 | 1.301% | 25929.16623 | -80597.26352 |
| Nov 27, 2020 | 1,929.80 | -1.168% | -23278.16245 | -79202.3485 |
| Nov 26, 2020 | 1,952.60 | 0.246% | 4912.742581 | -78102.48666 |
| Nov 25, 2020 | 1,947.80 | -0.827% | -16494.07474 | -76571.91559 |
| Nov 24, 2020 | 1,964.05 | 0.684% | 13643.25242 | -75915.04956 |
| Nov 23, 2020 | 1,950.70 | 2.695% | 53735.06712 | -74411.4525 |
| Nov 20, 2020 | 1,899.50 | -3.733% | -74411.4525 | -74196.27474 |
| Nov 19, 2020 | 1,973.15 | -0.707% | -14094.89608 | -70591.27869 |
| Nov 18, 2020 | 1,987.20 | -0.304% | -6050.910573 | -69021.42035 |
| Nov 17, 2020 | 1,993.25 | -0.158% | -3145.503156 | -67309.69333 |
| Nov 13, 2020 | 1,996.40 | 0.828% | 16512.23232 | -65974.1542 |
| Nov 12, 2020 | 1,980.00 | -0.861% | -17168.56599 | -65883.03834 |
| Nov 11, 2020 | 1,997.20 | -4.190% | -83536.77892 | -65759.82247 |
| Nov 10, 2020 | 2,084.55 | 1.651% | 32906.65017 | -65354.19159 |
| Nov 09, 2020 | 2,050.70 | 1.062% | 21171.92051 | -61340.97915 |
| Nov 06, 2020 | 2,029.15 | 3.793% | 75612.13939 | -61041.76303 |
| Nov 05, 2020 | 1,955.00 | 2.185% | 43555.50387 | -59610.08846 |
| Nov 04, 2020 | 1,913.20 | 3.394% | 67658.31172 | -59607.42109 |



| Nov 03, 20201,850.40-1.441%-28722.75027-58400.6446Nov 02, 20201,877.45-8.618%-171797.531-56032.72943Oct 30, 20202,054.501.362%27145.87794-55012.22894Oct 29, 20202,026.900.768%15312.50963-53337.29141Oct 28, 20202,011.45-1.133%-22586.05431-50329.92453Oct 27, 20202,034.500.266%5305.391553-49898.93903Oct 26, 20202,029.10-3.973%-79202.3485-49473.96881Oct 23, 20202,113.050.290%5771.686561-48839.0707Oct 22, 20202,106.95-0.831%-16561.30919-48630.13609Oct 21, 20202,124.60-1.452%-28942.95422-46241.05942Oct 19, 20202,175.90-0.933%-18596.20669-46045.07404Oct 19, 20202,175.80-1.391%-27737.13347-44324.94172Oct 15, 20202,206.50-3.541%-70591.27869-44070.49627Oct 14, 20202,287.500.298%5943.850572-44064.46859Oct 12, 20202,237.050.161%3213.315722-43683.99803Oct 09, 20202,233.45-0.259%-5163.599419-43101.2133Oct 08, 20202,239.25-0.808%-16116.18494-42481.15769Oct 07, 20202,257.502.133%42525.33875-41882.62913 |
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| Oct 06, 2020 2,210.35 -0.084% -1667.149218 -41090.37432 |
| Oct 05, 2020 2,212.20 -0.586% -11691.19312 -40921.14318 |
| Oct 01, 2020 2,225.25 -0.407% -8119.2763 -40028.98174 |
| Sep 30, 2020 2,234.35 -0.477% -9501.340727 -39959.67255 |
| Sep 29, 2020 2,245.05 1.299% 25906.03046 -39502.48687 |
| Sep 28, 2020 2,216.25 0.661% 13174.43453 -39467.34595 |
| Sep 25, 2020 2,201.70 0.940% 18736.37218 -39386.88119 |
| Sep 24, 2020 2,181.20 -2.223% -44324.94172 -39079.17994 |
| Sep 23, 2020 2,230.80 0.889% 17716.23703 -39005.50472 |
| Sep 22, 2020 2,211.15 -1.982% -39502.48687 -38927.46192 |
| Sep 21, 2020 2,255.85 -2.162% -43101.2133 -38850.10468 |
| Sep 18, 2020 2,305.70 0.302% 6027.26373 -38147.88734 |
| Sep 17, 2020 2,298.75 -1.110% -22126.25669 -37970.26973 |
| Sep 16, 2020 2,324.55 0.246% 4900.375186 -36777.51204 |
| Sep 15, 2020 2,318.85 0.708% 14112.55564 -36297.98239 |
| Sep 14, 2020 2,302.55 -0.741% -14781.36006 -35837.32785 |
| Sep 11, 2020 2,319.75 0.248% 4953.72191 -34807.37492 |
| Sep 10, 2020 2,314.00 7.063% 140798.7635 -34532.98571 |
| Sep 09, 2020 2,161.35 2.575% 51326.50918 -34341.17561 |
| Sep 08, 2020 2,107.10 1.174% 23403.97931 -34010.65373 |
| Sep 07, 2020 2,082.65 0.260% 5182.41425 -33882.43648 |
| Sep 04, 2020 2,077.25 -1.650% -32893.90535 -33406.86896 |
| Sep 03, 2020 2,112.10 -0.757% -15081.36218 -33396.19001 |



| Sep 02, 2020 2,128.20 1.962% 39111.68883 -33075.64399 Sep 01, 2020 2,087.25 0.315% 6275.653626 -33020.83359 Aug 31, 2020 2,080.70 -1.675% -33396.19001 -32947.06265 Aug 28, 2020 2,116.15 0.263% 5242.207194 -32289.90535 Aug 27, 2020 2,110.60 -1.249% -24904.21794 -32266.41411 Aug 25, 2020 2,082.10 -0.651% -12984.35286 -32051.903 Aug 24, 2020 2,095.75 0.666% 1310.44264 -31645.46033 Aug 21, 2020 2,097.05 -1.619% -32266.41411 -30805.1681 Aug 12, 2020 2,097.05 -1.619% -32266.41411 -30805.1681 Aug 12, 2020 2,097.05 -1.619% -32246.41411 -30805.1681 Aug 13, 2020 2,118.55 1.301% 25928.01779 -30639.78325 Aug 14, 2020 2,118.55 1.301% 25928.01779 -30639.78325 Aug 14, 2020 2,118.05 -0.261% -5200.320784 -30211.586 | | | | | A positive NPV Training Center |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|----------|---------|--------------|--------------------------------|
| Aug 31, 20202,080.70-1.675%-33396.19001-32947.06265Aug 28, 20202,116.150.263%5242.207192-32893.90535Aug 27, 20202,110.60-1.249%-24904.21794-32266.41411Aug 26, 20202,082.10-0.651%52852.38941-32121.22419Aug 24, 20202,082.10-0.658%13310.44264-31645.48033Aug 24, 20202,097.05-0.668%13310.44264-31645.48033Aug 21, 20202,097.05-1.619%-32266.41411-30805.1681Aug 19, 20202,131.550.614%1223.96594-30653.14198Aug 18, 20202,113.551.301%25928.01779-30639.78325Aug 17, 20202,091.35-1.062%-21172.86285-30520.11151Aug 13, 20202,113.80-0.389%-7750.442118-30432.43989Aug 13, 20202,122.05-0.261%-5200.320784-30211.58635Aug 13, 20202,127.60-0.291%-5792.487581-29566.85391Aug 10, 20202,146.450.579%11536.63957-28827.49007Aug 05, 20202,146.45-0.796%1318.4634-28722.75027Aug 05, 20202,166.45-1.123%-2236.41891-28662.77604Aug 05, 20202,166.507.048%140511.0403-27824.09581Aug 05, 20202,166.50-3.722%-74196.7148-2632.55351Jul 30, 20202,108.500.582%11600.8108-2656.7927Jul 30, 20202,108.500.582%1600.810 | Sep 02, 2020 | 2,128.20 | 1.962% | 39111.68883 | -33075.64399 |
| Aug 28, 20202,116.150.263%5242.207192-32893.90535Aug 27, 20202,110.60-1.249%-24904.21794-32266.41411Aug 26, 20202,137.302.651%52852.38941-32121.22419Aug 25, 20202,082.10-0.651%-12984.35286-32051.903Aug 24, 20202,095.750.668%13310.44264-31645.48033Aug 21, 20202,081.85-0.725%-14449.8033-31100.89344Aug 20, 20202,097.05-1.619%-32266.41411-30805.1681Aug 19, 20202,131.550.614%12232.96594-30653.14198Aug 18, 20202,113.551.301%25928.01779-30639.78325Aug 17, 20202,013.5-1.062%-21172.86285-30520.11151Aug 14, 20202,113.80-0.389%-7750.424118-30432.43989Aug 13, 20202,122.05-0.261%-5200.320784-30211.58635Aug 14, 20202,133.800.658%13118.86336-29566.299Aug 11, 20202,134.100.360%7171.86242-28942.95422Aug 07, 20202,146.450.579%11536.63957-28827.49907Aug 06, 20202,134.100.360%7171.86242-28942.95422Aug 05, 20202,126.65-1.123%-22386.41891-28662.77604Aug 06, 20202,186.55-1.123%-22386.41891-28662.77644Aug 06, 20202,186.50.582%11600.08108-2663.7587Jul 31, 20202,009.00-2.811%-5603.72943 </td <td>Sep 01, 2020</td> <td>2,087.25</td> <td>0.315%</td> <td>6275.653626</td> <td>-33020.83359</td> | Sep 01, 2020 | 2,087.25 | 0.315% | 6275.653626 | -33020.83359 |
| Aug 27, 20202,110.60-1.249%-24904.21794-32266.41411Aug 26, 20202,137.302.651%52852.38941-32121.22419Aug 25, 20202,082.10-0.651%-12984.35286-32051.903Aug 24, 20202,095.750.668%13310.44264-31645.48033Aug 21, 20202,095.750.6668%13310.44264-31645.48033Aug 20, 20202,097.05-1.619%-32266.41411-30805.1681Aug 19, 20202,131.550.614%12232.96594-30653.14198Aug 18, 20202,118.551.301%25928.01779-30639.78325Aug 17, 20202,091.35-1.062%-21172.86285-30520.11151Aug 14, 20202,113.80-0.389%-7750.424118-30432.43989Aug 12, 20202,122.05-0.261%-5200.320784-30211.58635Aug 12, 20202,127.60-0.291%-5792.487581-29566.8591Aug 10, 20202,119.85-1.239%-24705.17832-28942.95422Aug 07, 20202,146.450.579%11536.63957-28827.49907Aug 06, 20202,134.100.360%7171.886242-28722.75027Aug 05, 20202,126.45-1.123%-22386.41891-28662.77604Aug 03, 20202,090.00-2.811%-56032.72943-27777.13347Jul 31, 20202,096.65-3.722%-74196.27474-26326.55351Jul 29, 20202,096.65-3.722%-74196.27474-26326.55351Jul 29, 20202,096.65-3.722% <t< td=""><td>Aug 31, 2020</td><td>2,080.70</td><td>-1.675%</td><td>-33396.19001</td><td>-32947.06265</td></t<> | Aug 31, 2020 | 2,080.70 | -1.675% | -33396.19001 | -32947.06265 |
| Aug 26, 20202,137.302.651%52852.38941-32121.22419Aug 25, 20202,082.10-0.651%-12984.35286-32051.903Aug 24, 20202,095.750.668%13310.44264-31645.48033Aug 21, 20202,081.85-0.725%-14449.8033-31100.89344Aug 20, 20202,097.05-1.619%-32266.41411-30805.1681Aug 19, 20202,131.550.614%12232.96594-30653.14198Aug 18, 20202,113.551.301%25928.01779-30639.78325Aug 17, 20202,091.35-1.062%-21172.86285-30520.1151Aug 13, 20202,112.05-0.261%-5200.320784-30211.58635Aug 12, 20202,122.05-0.261%-5200.320784-30211.58635Aug 12, 20202,127.60-0.291%-5792.487581-29566.85391Aug 11, 20202,133.800.658%13118.86336-29560.299Aug 07, 20202,146.450.579%11536.63957-28827.49907Aug 06, 20202,134.100.360%7171.886242-28722.75027Aug 06, 20202,134.100.360%7171.886242-28827.49967Aug 03, 20202,090.00-2.811%-56032.72943-27737.13347Jul 31, 20202,096.65-3.722%-74196.27474-26326.55351Jul 29, 20202,096.65-3.722%-74196.27474-26326.55351Jul 29, 20202,096.65-3.722%-74196.27474-26326.55351Jul 29, 20202,077.700.997%19878 | Aug 28, 2020 | 2,116.15 | 0.263% | 5242.207192 | -32893.90535 |
| Aug 25, 20202,082.10-0.651%-12984.35286-32051.903Aug 24, 20202,095.750.668%13310.44264-31645.48033Aug 21, 20202,081.85-0.725%-14449.8033-31100.89344Aug 20, 20202,097.05-1.619%-32266.41411-30805.1681Aug 19, 20202,131.550.614%12232.96594-30653.14198Aug 18, 20202,118.551.301%25928.01779-30639.78325Aug 17, 20202,091.35-1.062%-21172.86285-30520.11151Aug 14, 20202,113.80-0.289%-7750.424118-30432.43989Aug 13, 20202,122.05-0.261%-5200.320784-30211.58635Aug 14, 20202,127.60-0.291%-5792.487581-29566.0299Aug 11, 20202,133.800.658%13118.86336-29566.0299Aug 07, 20202,146.450.579%11536.63957-28827.49907Aug 06, 20202,134.100.360%7171.886242-28722.75027Aug 05, 20202,164.55-1.123%-22386.41891-28662.77604Aug 04, 20202,150.607.048%41051.0403-7824.09581Jul 31, 20202,067.10-1.980%-39467.34595-26643.78969Jul 32, 20202,076.10-1.980%-39467.34595-2664.78697Jul 29, 20202,096.65-3.722%-74196.27474-26326.55351Jul 29, 20202,096.65-3.722%-74196.27474-26326.55351Jul 29, 20202,067.802.669%3351. | Aug 27, 2020 | 2,110.60 | -1.249% | -24904.21794 | -32266.41411 |
| Aug 24, 20202,095.750.668%13310.44264-31645.48033Aug 21, 20202,081.85-0.725%-14449.8033-31100.89344Aug 20, 20202,097.05-1.619%-32266.41411-30805.1681Aug 19, 20202,131.550.614%12232.96594-30653.14198Aug 18, 20202,118.551.301%25928.01779-30639.78325Aug 17, 20202,091.35-1.062%-21172.86285-30520.11151Aug 14, 20202,113.80-0.389%-7750.424118-30432.43989Aug 13, 20202,122.05-0.261%-5200.320784-30211.58655Aug 12, 20202,117.60-0.291%-5792.487581-29566.85391Aug 11, 20202,118.55-1.239%-24705.17832-28827.49907Aug 10, 20202,114.55-1.239%-24705.17832-28827.49907Aug 07, 20202,146.450.579%11536.63957-28827.49907Aug 06, 20202,134.100.360%7171.886242-28722.75027Aug 05, 20202,150.607.048%140511.0403-27824.09581Aug 03, 20202,009.00-2.811%-56032.72943-27737.13347Jul 31, 20202,067.10-1.980%-39467.34595-26643.78969Jul 23, 20202,077.000.997%19878.17689-2624.05551Jul 24, 20202,166.154.293%85591.47755-25959.03806Jul 23, 20202,075.802.685%5351.9.45609-2577.74329Jul 24, 20202,166.154.293%855 | Aug 26, 2020 | 2,137.30 | 2.651% | 52852.38941 | -32121.22419 |
| Aug 21, 20202,081.85-0.725%-14449.8033-31100.89344Aug 20, 20202,097.05-1.619%-32266.41411-30805.1681Aug 19, 20202,131.550.614%12232.96594-30653.14198Aug 18, 20202,118.551.301%25928.01779-30639.78325Aug 17, 20202,091.35-1.062%-21172.86285-30520.11151Aug 14, 20202,113.80-0.389%-7750.424118-30432.43989Aug 13, 20202,122.05-0.261%-5200.320784-30211.58635Aug 12, 20202,127.60-0.291%-5792.487581-29566.82391Aug 11, 20202,113.800.658%13118.86336-29566.0299Aug 10, 20202,146.450.579%11536.63957-28827.49907Aug 06, 20202,134.100.360%7171.886242-28722.75027Aug 05, 20202,126.45-1.123%-22386.41891-28662.77604Aug 04, 20202,150.607.048%140511.0403-27824.09581Aug 03, 20202,067.10-1.980%-39467.34595-26643.78969Jul 31, 20202,067.10-1.980%-39467.34595-26643.78969Jul 29, 20202,096.65-3.722%-74196.27474-26326.55351Jul 29, 20202,077.700.997%19878.17689-2624.389697Jul 27, 20202,057.802.685%5351.45609-25707.74329Jul 27, 20202,057.802.685%5351.945609-25707.74329Jul 27, 20202,057.802.685%5351 | Aug 25, 2020 | 2,082.10 | -0.651% | -12984.35286 | -32051.903 |
| Aug 20, 20202,097.05-1.619%-32266.41411-30805.1681Aug 19, 20202,131.550.614%12232.96594-30653.14198Aug 18, 20202,118.551.301%25928.01779-30639.78325Aug 17, 20202,091.35-1.062%-21172.86285-30520.11151Aug 14, 20202,113.80-0.389%-7750.424118-30432.43989Aug 13, 20202,122.05-0.261%-5200.320784-30211.58635Aug 12, 20202,127.60-0.291%-5792.487581-29566.85391Aug 11, 20202,133.800.658%13118.86336-29566.0299Aug 10, 20202,119.85-1.239%-24705.17832-28827.49907Aug 07, 20202,146.450.579%11536.63957-28827.49907Aug 06, 20202,134.100.360%7171.886242-28722.75027Aug 05, 20202,156.007.048%140511.0403-27824.09581Aug 03, 20202,067.10-1.980%-39467.34595-26643.78969Jul 31, 20202,067.10-1.980%-39467.34595-26643.78969Jul 29, 20202,066.55-3.722%-74196.27474-26326.55351Jul 29, 20202,077.700.997%19878.17689-2624.386697Jul 27, 20202,156.200.468%9335.404096-26226.05751Jul 24, 20202,146.154.293%85591.47755-25959.03806Jul 22, 20202,004.001.646%32812.10089-2547.602268Jul 22, 20202,004.001.646%3281 | Aug 24, 2020 | 2,095.75 | 0.668% | 13310.44264 | -31645.48033 |
| Aug 19, 20202,131.550.614%12232.96594-30653.14198Aug 18, 20202,118.551.301%25928.01779-30639.78325Aug 17, 20202,091.35-1.062%-21172.86285-30520.11151Aug 14, 20202,113.80-0.389%-7750.424118-30432.43989Aug 13, 20202,122.05-0.261%-5200.320784-30211.58635Aug 12, 20202,127.60-0.291%-5792.487581-29566.85391Aug 11, 20202,133.800.658%13118.86336-29566.0299Aug 10, 20202,119.85-1.239%-24705.17832-28942.95422Aug 07, 20202,146.450.579%11536.63957-28827.49907Aug 06, 20202,134.100.360%7171.886242-28722.75027Aug 05, 20202,150.607.048%140511.0403-27824.09581Aug 03, 20202,067.10-1.980%-39467.34595-26643.78969Jul 31, 20202,067.10-1.980%-39467.34595-26643.78969Jul 28, 20202,096.65-3.722%-74196.27474-26326.55351Jul 28, 20202,096.65-3.722%-74196.27474-26326.55351Jul 27, 20202,040.001.646%32812.10089-25673.30452Jul 24, 20202,057.802.685%53519.45609-25707.74329Jul 22, 20202,004.001.646%32812.10089-25673.30452Jul 23, 20202,004.001.646%32812.10089-25673.30452Jul 24, 20201,971.552.690%536 | Aug 21, 2020 | 2,081.85 | -0.725% | -14449.8033 | -31100.89344 |
| Aug18, 20202, 118.551.301%25928.01779-30639.78325Aug17, 20202,091.35-1.062%-21172.86285-30520.11151Aug14, 20202, 113.80-0.389%-7750.424118-30432.43989Aug13, 20202, 122.05-0.261%-5200.320784-30211.58635Aug12, 20202, 127.60-0.291%-5792.487581-29566.85391Aug11, 20202, 133.800.658%13118.86336-29566.0299Aug10, 20202, 119.85-1.239%-24705.17832-28942.95422Aug07, 20202, 146.450.579%11536.63957-28827.49907Aug06, 20202, 134.100.360%7171.886242-28722.75027Aug05, 20202, 150.607.048%140511.0403-27824.09581Aug03, 20202, 009.00-2.811%-56032.72943-27737.13347Jul 31, 20202,007.10-1.980%-39467.34595-26643.78969Jul 30, 20202,096.65-3.722%-74196.27474-26326.55351Jul 29, 20202,096.65-3.722%-74196.27474-26326.5551Jul 28, 20202,177.700.997%19878.17689-26243.89697Jul 27, 20202,057.802.685%53519.45609-25707.74329Jul 24, 20202,040.001.646%32812.10089-25673.30452Jul 22, 20202,004.001.646%32812.10089-25673.30452Jul 22, 20202,004.001.646%32812.100 | Aug 20, 2020 | 2,097.05 | -1.619% | -32266.41411 | -30805.1681 |
| Aug 17, 20202,091.35-1.062%-21172.86285-30520.11151Aug 14, 20202,113.80-0.389%-7750.424118-30432.43989Aug 13, 20202,122.05-0.261%-5200.320784-30211.58635Aug 12, 20202,127.60-0.291%-5792.487581-29566.85391Aug 11, 20202,133.800.658%13118.86336-29566.0299Aug 10, 20202,119.85-1.239%-24705.17832-28942.95422Aug 07, 20202,146.450.579%11536.63957-28827.49907Aug 06, 20202,134.100.360%7171.886242-28722.75027Aug 05, 20202,150.607.048%140511.0403-27824.09581Aug 03, 20202,090.00-2.811%-56032.72943-27737.13347Jul 31, 20202,067.10-1.980%-39467.34595-26643.78969Jul 30, 20202,096.65-3.722%-74196.27474-26326.55351Jul 29, 20202,096.65-3.722%-74196.27474-26326.55351Jul 27, 20202,164.154.293%85591.47755-25959.03806Jul 24, 20202,164.154.293%85591.47755-25959.03806Jul 23, 20202,004.001.646%32812.10089-25673.30452Jul 24, 20202,004.001.646%32812.10089-25673.30452Jul 22, 20202,004.001.646%32812.10089-25476.02268Jul 22, 20201,971.552.690%53631.36491-25476.02268Jul 22, 20201,991.900.429%855 | Aug 19, 2020 | 2,131.55 | 0.614% | 12232.96594 | -30653.14198 |
| Aug14, 20202, 113.80-0.389%-7750.424118-30432.43989Aug13, 20202, 122.05-0.261%-5200.320784-30211.58635Aug12, 20202, 127.60-0.291%-5792.487581-29566.85391Aug11, 20202, 133.800.658%13118.86336-29566.0299Aug10, 20202, 119.85-1.239%-24705.17832-28942.95422Aug07, 20202, 146.450.579%11536.63957-28827.49907Aug06, 20202, 134.100.360%7171.886242-28722.75027Aug05, 20202, 126.45-1.123%-22386.41891-28662.77604Aug04, 20202, 150.607.048%140511.0403-27824.09581Aug03, 20202,009.00-2.811%-56032.72943-27737.13347Jul31, 20202,067.10-1.980%-39467.34595-26643.78969Jul 30, 20202,096.55-3.722%-74196.27474-26326.55351Jul 29, 20202,096.55-3.722%-74196.27474-26326.55351Jul 28, 20202,156.200.468%9335.404096-26226.05751Jul 24, 20202,164.154.293%85591.47755-25959.03806Jul 23, 20202,004.001.646%32812.10089-25673.30452Jul 24, 20202,004.001.646%32812.10089-25673.30452Jul 22, 20202,004.001.646%32812.10089-25673.30452Jul 22, 20201,917.952.690%53631.364 | Aug 18, 2020 | 2,118.55 | 1.301% | 25928.01779 | -30639.78325 |
| Aug 13, 20202,122.05-0.261%-5200.320784-30211.58635Aug 12, 20202,127.60-0.291%-5792.487581-29566.85391Aug 11, 20202,133.800.658%13118.86336-29566.0299Aug 10, 20202,119.85-1.239%-24705.17832-28942.95422Aug 07, 20202,146.450.579%11536.63957-28827.49907Aug 06, 20202,134.100.360%7171.886242-28722.75027Aug 05, 20202,126.45-1.123%-22386.41891-28662.77604Aug 03, 20202,009.00-2.811%-56032.72943-27737.13347Jul 31, 20202,067.10-1.980%-39467.34595-26643.78969Jul 30, 20202,096.65-3.722%-74196.27474-26326.55351Jul 29, 20202,096.65-3.722%-74196.27474-26326.55351Jul 28, 20202,156.200.468%9335.404096-26226.05751Jul 24, 20202,164.154.293%85591.47755-25959.03806Jul 23, 20202,004.001.646%32812.10089-25673.30452Jul 22, 20202,004.001.646%32812.10089-25673.30452Jul 21, 20201,971.552.690%53631.36491-25476.02268Jul 20, 20201,919.900.429%8551.085421-24904.21794Jul 17, 20201,911.703.705%73863.2285-24727.44335 | Aug 17, 2020 | 2,091.35 | -1.062% | -21172.86285 | -30520.11151 |
| Aug 12, 20202,127.60-0.291%-5792.487581-29566.85391Aug 11, 20202,133.800.658%13118.86336-29566.0299Aug 10, 20202,119.85-1.239%-24705.17832-28942.95422Aug 07, 20202,146.450.579%11536.63957-28827.49907Aug 06, 20202,134.100.360%7171.886242-28722.75027Aug 05, 20202,126.45-1.123%-22386.41891-28662.77604Aug 04, 20202,150.607.048%140511.0403-27824.09581Aug 03, 20202,009.00-2.811%-56032.72943-27737.13347Jul 31, 20202,067.10-1.980%-39467.34595-26643.78969Jul 30, 20202,108.850.582%11600.08108-26506.79527Jul 29, 20202,096.65-3.722%-74196.27474-26326.55351Jul 28, 20202,177.700.997%19878.17689-26243.89697Jul 27, 20202,156.200.468%9335.404096-26226.05751Jul 24, 20202,057.802.685%53519.45609-25707.74329Jul 22, 20202,004.001.646%32812.10089-25673.30452Jul 21, 20201,971.552.690%53631.36491-25476.02268Jul 20, 20201,919.900.429%8551.085421-24904.21794Jul 17, 20201,911.703.705%73863.22285-24727.44335 | Aug 14, 2020 | 2,113.80 | -0.389% | -7750.424118 | -30432.43989 |
| Aug 11, 20202,133.800.658%13118.86336-29566.0299Aug 10, 20202,119.85-1.239%-24705.17832-28942.95422Aug 07, 20202,146.450.579%11536.63957-28827.49907Aug 06, 20202,134.100.360%7171.886242-28722.75027Aug 05, 20202,126.45-1.123%-22386.41891-28662.77604Aug 04, 20202,150.607.048%140511.0403-27824.09581Aug 03, 20202,009.00-2.811%-56032.72943-27737.13347Jul 31, 20202,067.10-1.980%-39467.34595-26643.78969Jul 30, 20202,096.65-3.722%-74196.27474-26326.55351Jul 29, 20202,096.65-3.722%-74196.27474-26326.55351Jul 28, 20202,177.700.997%19878.17689-26243.89697Jul 27, 20202,166.200.468%9335.404096-26226.05751Jul 23, 20202,057.802.685%53519.45609-2577.74329Jul 23, 20202,004.001.646%32812.10089-25673.30452Jul 22, 20202,004.001.646%32812.10089-25673.30452Jul 21, 20201,971.552.690%53631.36491-25476.02268Jul 20, 20201,91.900.429%8551.085421-24904.21794Jul 17, 20201,91.703.705%73863.22285-2472.74335 | Aug 13, 2020 | 2,122.05 | -0.261% | -5200.320784 | -30211.58635 |
| Aug 10, 20202,119.85-1.239%-24705.17832-28942.95422Aug 07, 20202,146.450.579%11536.63957-28827.49907Aug 06, 20202,134.100.360%7171.886242-28722.75027Aug 05, 20202,126.45-1.123%-22386.41891-28662.77604Aug 04, 20202,150.607.048%140511.0403-27824.09581Aug 03, 20202,009.00-2.811%-56032.72943-27737.13347Jul 31, 20202,067.10-1.980%-39467.34595-26643.78969Jul 30, 20202,096.65-3.722%-74196.27474-26326.55351Jul 29, 20202,096.65-3.722%-74196.27474-26326.55351Jul 28, 20202,177.700.997%19878.17689-26243.89697Jul 27, 20202,165.200.468%9335.404096-26226.05751Jul 24, 20202,146.154.293%85591.47755-25959.03806Jul 23, 20202,004.001.646%32812.10089-25673.30452Jul 21, 20201,971.552.690%53631.36491-25476.02268Jul 20, 20201,919.900.429%8551.085421-24904.21794Jul 17, 20201,911.703.705%73863.22285-24727.44335 | Aug 12, 2020 | 2,127.60 | -0.291% | -5792.487581 | -29566.85391 |
| Aug 07, 20202,146.450.579%11536.63957-28827.49907Aug 06, 20202,134.100.360%7171.886242-28722.75027Aug 05, 20202,126.45-1.123%-22386.41891-28662.77604Aug 04, 20202,150.607.048%140511.0403-27824.09581Aug 03, 20202,009.00-2.811%-56032.72943-27737.13347Jul 31, 20202,067.10-1.980%-39467.34595-26643.78969Jul 30, 20202,108.850.582%11600.08108-26506.79527Jul 29, 20202,096.65-3.722%-74196.27474-26326.55351Jul 28, 20202,177.700.997%19878.17689-26243.89697Jul 27, 20202,165.200.468%9335.404096-26226.05751Jul 24, 20202,146.154.293%85591.47755-25959.03806Jul 23, 20202,004.001.646%32812.10089-25673.30452Jul 24, 20201,971.552.690%53631.36491-25476.02268Jul 20, 20201,919.900.429%8551.085421-24904.21794Jul 17, 20201,911.703.705%73863.22285-24727.44335 | Aug 11, 2020 | 2,133.80 | 0.658% | 13118.86336 | -29566.0299 |
| Aug 06, 20202,134.100.360%7171.886242-28722.75027Aug 05, 20202,126.45-1.123%-22386.41891-28662.77604Aug 04, 20202,150.607.048%140511.0403-27824.09581Aug 03, 20202,009.00-2.811%-56032.72943-27737.13347Jul 31, 20202,067.10-1.980%-39467.34595-26643.78969Jul 30, 20202,096.65-3.722%-74196.27474-26326.55351Jul 29, 20202,096.65-3.722%-74196.27474-26326.55351Jul 28, 20202,177.700.997%19878.17689-26243.89697Jul 27, 20202,146.154.293%85591.47755-25959.03806Jul 23, 20202,057.802.685%53519.45609-2577.74329Jul 22, 20202,004.001.646%32812.10089-25673.30452Jul 21, 20201,971.552.690%53631.36491-25476.02268Jul 20, 20201,919.900.429%8551.085421-24904.21794Jul 17, 20201,911.703.705%73863.22285-24727.44335 | Aug 10, 2020 | 2,119.85 | -1.239% | -24705.17832 | -28942.95422 |
| Aug 05, 20202,126.45-1.123%-22386.41891-28662.77604Aug 04, 20202,150.607.048%140511.0403-27824.09581Aug 03, 20202,009.00-2.811%-56032.72943-27737.13347Jul 31, 20202,067.10-1.980%-39467.34595-26643.78969Jul 30, 20202,108.850.582%11600.08108-26506.79527Jul 29, 20202,096.65-3.722%-74196.27474-26326.55351Jul 28, 20202,177.700.997%19878.17689-26243.89697Jul 27, 20202,156.200.468%9335.404096-26226.05751Jul 23, 20202,057.802.685%53519.45609-25959.03806Jul 22, 20202,004.001.646%32812.10089-25673.30452Jul 21, 20201,971.552.690%53631.36491-25476.02268Jul 20, 20201,919.900.429%8551.085421-24904.21794Jul 17, 20201,911.703.705%73863.22285-24727.44335 | Aug 07, 2020 | 2,146.45 | 0.579% | 11536.63957 | -28827.49907 |
| Aug 04, 20202,150.607.048%140511.0403-27824.09581Aug 03, 20202,009.00-2.811%-56032.72943-27737.13347Jul 31, 20202,067.10-1.980%-39467.34595-26643.78969Jul 30, 20202,108.850.582%11600.08108-26506.79527Jul 29, 20202,096.65-3.722%-74196.27474-26326.55351Jul 28, 20202,177.700.997%19878.17689-26243.89697Jul 27, 20202,156.200.468%9335.404096-26226.05751Jul 24, 20202,146.154.293%85591.47755-25959.03806Jul 23, 20202,004.001.646%32812.10089-25673.30452Jul 21, 20201,971.552.690%53631.36491-25476.02268Jul 20, 20201,919.900.429%8551.085421-24904.21794Jul 17, 20201,911.703.705%73863.22285-24727.44335 | Aug 06, 2020 | 2,134.10 | 0.360% | 7171.886242 | -28722.75027 |
| Aug 03, 20202,009.00-2.811%-56032.72943-27737.13347Jul 31, 20202,067.10-1.980%-39467.34595-26643.78969Jul 30, 20202,108.850.582%11600.08108-26506.79527Jul 29, 20202,096.65-3.722%-74196.27474-26326.55351Jul 28, 20202,177.700.997%19878.17689-26243.89697Jul 27, 20202,156.200.468%9335.404096-26226.05751Jul 24, 20202,146.154.293%85591.47755-25959.03806Jul 23, 20202,057.802.685%53519.45609-25707.74329Jul 22, 20202,004.001.646%32812.10089-25673.30452Jul 21, 20201,971.552.690%53631.36491-25476.02268Jul 20, 20201,919.900.429%8551.085421-24904.21794Jul 17, 20201,911.703.705%73863.22285-24727.44335 | Aug 05, 2020 | 2,126.45 | -1.123% | -22386.41891 | -28662.77604 |
| Jul 31, 20202,067.10-1.980%-39467.34595-26643.78969Jul 30, 20202,108.850.582%11600.08108-26506.79527Jul 29, 20202,096.65-3.722%-74196.27474-26326.55351Jul 28, 20202,177.700.997%19878.17689-26243.89697Jul 27, 20202,156.200.468%9335.404096-26226.05751Jul 24, 20202,146.154.293%85591.47755-25959.03806Jul 23, 20202,057.802.685%53519.45609-25707.74329Jul 22, 20202,004.001.646%32812.10089-25673.30452Jul 21, 20201,971.552.690%53631.36491-25476.02268Jul 20, 20201,919.900.429%8551.085421-24904.21794Jul 17, 20201,911.703.705%73863.22285-24727.44335 | Aug 04, 2020 | 2,150.60 | 7.048% | 140511.0403 | -27824.09581 |
| Jul 30, 20202,108.850.582%11600.08108-26506.79527Jul 29, 20202,096.65-3.722%-74196.27474-26326.55351Jul 28, 20202,177.700.997%19878.17689-26243.89697Jul 27, 20202,156.200.468%9335.404096-26226.05751Jul 24, 20202,146.154.293%85591.47755-25959.03806Jul 23, 20202,057.802.685%53519.45609-25707.74329Jul 22, 20202,004.001.646%32812.10089-25673.30452Jul 21, 20201,971.552.690%53631.36491-25476.02268Jul 20, 20201,919.900.429%8551.085421-24904.21794Jul 17, 20201,911.703.705%73863.22285-24727.44335 | Aug 03, 2020 | 2,009.00 | -2.811% | -56032.72943 | -27737.13347 |
| Jul 29, 20202,096.65-3.722%-74196.27474-26326.55351Jul 28, 20202,177.700.997%19878.17689-26243.89697Jul 27, 20202,156.200.468%9335.404096-26226.05751Jul 24, 20202,146.154.293%85591.47755-25959.03806Jul 23, 20202,057.802.685%53519.45609-25707.74329Jul 22, 20202,004.001.646%32812.10089-25673.30452Jul 21, 20201,971.552.690%53631.36491-25476.02268Jul 20, 20201,919.900.429%8551.085421-24904.21794Jul 17, 20201,911.703.705%73863.22285-24727.44335 | Jul 31, 2020 | 2,067.10 | -1.980% | -39467.34595 | -26643.78969 |
| Jul 28, 20202,177.700.997%19878.17689-26243.89697Jul 27, 20202,156.200.468%9335.404096-26226.05751Jul 24, 20202,146.154.293%85591.47755-25959.03806Jul 23, 20202,057.802.685%53519.45609-25707.74329Jul 22, 20202,004.001.646%32812.10089-25673.30452Jul 21, 20201,971.552.690%53631.36491-25476.02268Jul 20, 20201,919.900.429%8551.085421-24904.21794Jul 17, 20201,911.703.705%73863.22285-24727.44335 | Jul 30, 2020 | 2,108.85 | 0.582% | 11600.08108 | -26506.79527 |
| Jul 27, 20202,156.200.468%9335.404096-26226.05751Jul 24, 20202,146.154.293%85591.47755-25959.03806Jul 23, 20202,057.802.685%53519.45609-25707.74329Jul 22, 20202,004.001.646%32812.10089-25673.30452Jul 21, 20201,971.552.690%53631.36491-25476.02268Jul 20, 20201,919.900.429%8551.085421-24904.21794Jul 17, 20201,911.703.705%73863.22285-24727.44335 | Jul 29, 2020 | 2,096.65 | -3.722% | -74196.27474 | -26326.55351 |
| Jul 24, 20202,146.154.293%85591.47755-25959.03806Jul 23, 20202,057.802.685%53519.45609-25707.74329Jul 22, 20202,004.001.646%32812.10089-25673.30452Jul 21, 20201,971.552.690%53631.36491-25476.02268Jul 20, 20201,919.900.429%8551.085421-24904.21794Jul 17, 20201,911.703.705%73863.22285-24727.44335 | Jul 28, 2020 | 2,177.70 | 0.997% | 19878.17689 | -26243.89697 |
| Jul 23, 20202,057.802.685%53519.45609-25707.74329Jul 22, 20202,004.001.646%32812.10089-25673.30452Jul 21, 20201,971.552.690%53631.36491-25476.02268Jul 20, 20201,919.900.429%8551.085421-24904.21794Jul 17, 20201,911.703.705%73863.22285-24727.44335 | Jul 27, 2020 | 2,156.20 | 0.468% | 9335.404096 | -26226.05751 |
| Jul 22, 20202,004.001.646%32812.10089-25673.30452Jul 21, 20201,971.552.690%53631.36491-25476.02268Jul 20, 20201,919.900.429%8551.085421-24904.21794Jul 17, 20201,911.703.705%73863.22285-24727.44335 | Jul 24, 2020 | 2,146.15 | 4.293% | 85591.47755 | -25959.03806 |
| Jul 21, 20201,971.552.690%53631.36491-25476.02268Jul 20, 20201,919.900.429%8551.085421-24904.21794Jul 17, 20201,911.703.705%73863.22285-24727.44335 | Jul 23, 2020 | 2,057.80 | 2.685% | 53519.45609 | -25707.74329 |
| Jul 20, 20201,919.900.429%8551.085421-24904.21794Jul 17, 20201,911.703.705%73863.22285-24727.44335 | Jul 22, 2020 | 2,004.00 | 1.646% | 32812.10089 | -25673.30452 |
| Jul 17, 2020 1,911.70 3.705% 73863.22285 -24727.44335 | Jul 21, 2020 | 1,971.55 | 2.690% | 53631.36491 | -25476.02268 |
| | Jul 20, 2020 | 1,919.90 | 0.429% | 8551.085421 | -24904.21794 |
| Jul 16, 2020 1,843.40 -0.033% -648.6605206 -24705.17832 | Jul 17, 2020 | 1,911.70 | 3.705% | 73863.22285 | -24727.44335 |
| | Jul 16, 2020 | 1,843.40 | -0.033% | -648.6605206 | -24705.17832 |
| Jul 15, 2020 1,844.00 -3.808% -75915.04956 -24618.50068 | Jul 15, 2020 | 1,844.00 | -3.808% | -75915.04956 | -24618.50068 |
| Jul 14, 2020 1,917.00 -0.930% -18544.65116 -24591.74278 | Jul 14, 2020 | 1,917.00 | -0.930% | -18544.65116 | -24591.74278 |
| Jul 13, 2020 1,935.00 3.032% 60452.42273 -24534.66308 | Jul 13, 2020 | 1,935.00 | 3.032% | 60452.42273 | -24534.66308 |
| Jul 10, 2020 1,878.05 2.949% 58792.92312 -24419.3969 | Jul 10, 2020 | 1,878.05 | 2.949% | 58792.92312 | -24419.3969 |
| Jul 09, 2020 1,824.25 1.460% 29104.94299 -24153.99229 | Jul 09, 2020 | 1,824.25 | 1.460% | 29104.94299 | -24153.99229 |
| Jul 08, 2020 1,798.00 -1.396% -27824.09581 -24081.68997 | Jul 08, 2020 | 1,798.00 | -1.396% | -27824.09581 | -24081.68997 |
| Jul 07, 2020 1,823.45 -1.531% -30520.11151 -23660.09076 | Jul 07, 2020 | 1,823.45 | -1.531% | -30520.11151 | -23660.09076 |
| Jul 06, 2020 1,851.80 3.574% 71249.98322 -23278.16245 | Jul 06, 2020 | 1,851.80 | 3.574% | 71249.98322 | -23278.16245 |



| | | | | A positive NPV Training Center |
|--------------|----------|---------|--------------|--------------------------------|
| Jul 03, 2020 | 1,787.90 | 1.565% | 31199.64922 | -23257.19565 |
| Jul 02, 2020 | 1,760.35 | 1.309% | 26101.0949 | -23042.86641 |
| Jul 01, 2020 | 1,737.60 | 1.966% | 39190.14436 | -22612.49732 |
| Jun 30, 2020 | 1,704.10 | -1.106% | -22039.3625 | -22586.05431 |
| Jun 29, 2020 | 1,723.15 | -1.062% | -21175.70982 | -22386.41891 |
| Jun 26, 2020 | 1,741.65 | 1.383% | 27560.86646 | -22126.25669 |
| Jun 25, 2020 | 1,717.90 | -0.576% | -11480.06048 | -22039.3625 |
| Jun 24, 2020 | 1,727.85 | 0.404% | 8051.120053 | -21890.52135 |
| Jun 23, 2020 | 1,720.90 | -1.446% | -28827.49907 | -21175.70982 |
| Jun 22, 2020 | 1,746.15 | -0.753% | -15013.37814 | -21172.86285 |
| Jun 19, 2020 | 1,759.40 | 6.250% | 124604.3994 | -20794.95732 |
| Jun 18, 2020 | 1,655.90 | 2.510% | 50043.92392 | -20532.53265 |
| Jun 17, 2020 | 1,615.35 | -0.145% | -2895.989677 | -20302.3132 |
| Jun 16, 2020 | 1,617.70 | 0.195% | 3889.43204 | -20029.33607 |
| Jun 15, 2020 | 1,614.55 | 1.621% | 32309.86436 | -19878.21916 |
| Jun 12, 2020 | 1,588.80 | 3.323% | 66248.55629 | -19654.30848 |
| Jun 11, 2020 | 1,537.70 | -2.191% | -43683.99803 | -19621.26471 |
| Jun 10, 2020 | 1,572.15 | 2.277% | 45391.95915 | -19619.22192 |
| Jun 09, 2020 | 1,537.15 | -2.061% | -41090.37432 | -19498.97766 |
| Jun 08, 2020 | 1,569.50 | -0.771% | -15376.68964 | -18751.49031 |
| Jun 05, 2020 | 1,581.70 | 0.120% | 2397.610457 | -18709.09886 |
| Jun 04, 2020 | 1,579.80 | 2.475% | 49332.81387 | -18596.20669 |
| Jun 03, 2020 | 1,541.65 | 0.387% | 7723.91906 | -18544.65116 |
| Jun 02, 2020 | 1,535.70 | 1.010% | 20127.59726 | -18459.76197 |
| Jun 01, 2020 | 1,520.35 | 3.821% | 76167.11452 | -18058.89079 |
| May 29, 2020 | 1,464.40 | -0.533% | -10629.5585 | -17894.90172 |
| May 28, 2020 | 1,472.25 | 1.847% | 36821.82214 | -17840.9416 |
| May 27, 2020 | 1,445.55 | 1.510% | 30098.18827 | -17559.84573 |
| May 26, 2020 | 1,424.05 | -0.524% | -10444.36101 | -17198.38819 |
| May 22, 2020 | 1,431.55 | -0.673% | -13417.12749 | -17168.56599 |
| May 21, 2020 | 1,441.25 | 0.527% | 10498.22313 | -17075.13653 |
| May 20, 2020 | 1,433.70 | 1.760% | 35091.2343 | -17008.13782 |
| May 19, 2020 | 1,408.90 | -2.211% | -44070.49627 | -16578.21188 |
| May 18, 2020 | 1,440.75 | -1.278% | -25476.02268 | -16561.30919 |
| May 15, 2020 | 1,459.40 | 1.633% | 32555.97166 | -16494.07474 |
| May 14, 2020 | 1,435.95 | -4.043% | -80597.26352 | -16116.18494 |
| May 13, 2020 | 1,496.45 | 2.122% | 42296.41146 | -16114.77748 |
| May 12, 2020 | 1,465.36 | -6.186% | -123327.7655 | -15855.92015 |
| May 11, 2020 | 1,561.99 | 0.960% | 19147.81111 | -15789.24875 |
| May 08, 2020 | 1,547.13 | 3.639% | 72554.64329 | -15376.68964 |
| May 07, 2020 | 1,492.80 | 3.163% | 63056.5942 | -15117.6617 |
| May 06, 2020 | 1,447.03 | 0.007% | 137.777916 | -15081.36218 |
| May 05, 2020 | 1,446.93 | 1.773% | 35349.71408 | -15013.37814 |



| | | | | A positive NPV Training Center |
|--------------|----------|----------|--------------|--------------------------------|
| May 04, 2020 | 1,421.72 | -2.101% | -41882.62913 | -14968.65283 |
| Apr 30, 2020 | 1,452.23 | 2.736% | 54550.96318 | -14841.4219 |
| Apr 29, 2020 | 1,413.55 | -0.084% | -1676.862533 | -14781.36006 |
| Apr 28, 2020 | 1,414.74 | -0.112% | -2223.938799 | -14657.80505 |
| Apr 27, 2020 | 1,416.32 | 0.900% | 17937.39109 | -14634.732 |
| Apr 24, 2020 | 1,403.69 | 3.362% | 67027.60101 | -14571.16003 |
| Apr 23, 2020 | 1,358.03 | 0.535% | 10670.24467 | -14449.8033 |
| Apr 22, 2020 | 1,350.80 | 10.204% | 203416.1671 | -14272.81108 |
| Apr 21, 2020 | 1,225.73 | -0.519% | -10338.91545 | -14151.28362 |
| Apr 20, 2020 | 1,232.12 | 1.617% | 32241.80873 | -14148.7206 |
| Apr 17, 2020 | 1,212.51 | 4.791% | 95501.15506 | -14094.89608 |
| Apr 16, 2020 | 1,157.08 | 1.583% | 31555.86366 | -13500.80079 |
| Apr 15, 2020 | 1,139.05 | -3.305% | -65883.03834 | -13437.58426 |
| Apr 13, 2020 | 1,177.98 | -2.525% | -50329.92453 | -13417.12749 |
| Apr 09, 2020 | 1,208.49 | 2.331% | 46472.72685 | -12984.35286 |
| Apr 08, 2020 | 1,180.96 | -1.156% | -23042.86641 | -12951.2093 |
| Apr 07, 2020 | 1,194.77 | 11.940% | 238031.3605 | -12944.24229 |
| Apr 03, 2020 | 1,067.33 | -0.277% | -5531.947585 | -12531.5367 |
| Apr 01, 2020 | 1,070.30 | -2.990% | -59610.08846 | -12527.07464 |
| Mar 31, 2020 | 1,103.29 | 8.084% | 161160.4436 | -12175.18571 |
| Mar 30, 2020 | 1,020.77 | -3.299% | -65759.82247 | -11691.19312 |
| Mar 27, 2020 | 1,055.59 | -0.057% | -1132.4951 | -11480.06048 |
| Mar 26, 2020 | 1,056.19 | -1.483% | -29566.0299 | -10828.36111 |
| Mar 25, 2020 | 1,072.09 | 14.718% | 293420.081 | -10629.5585 |
| Mar 24, 2020 | 934.54 | 6.713% | 133829.0659 | -10444.36101 |
| Mar 23, 2020 | 875.75 | -13.154% | -262224.4092 | -10338.91545 |
| Mar 20, 2020 | 1,008.39 | 10.924% | 217780.0089 | -10142.28526 |
| Mar 19, 2020 | 909.08 | -5.246% | -104580.2853 | -9668.899918 |
| Mar 18, 2020 | 959.41 | -3.918% | -78102.48666 | -9551.687134 |
| Mar 17, 2020 | 998.53 | -0.758% | -15117.6617 | -9501.340727 |
| Mar 16, 2020 | 1,006.16 | -8.107% | -161607.6955 | -8674.353804 |
| Mar 13, 2020 | 1,094.92 | 3.979% | 79323.9872 | -8514.018657 |
| Mar 12, 2020 | 1,053.02 | -7.850% | -156487.5341 | -8452.195266 |
| Mar 11, 2020 | 1,142.72 | 3.536% | 70498.28892 | -8408.900092 |
| Mar 09, 2020 | 1,103.69 | -12.341% | -246021.11 | -8240.617725 |
| Mar 06, 2020 | 1,259.07 | -3.062% | -61041.76303 | -8119.2763 |
| Mar 05, 2020 | 1,298.84 | -2.131% | -42481.15769 | -8091.966724 |
| Mar 04, 2020 | 1,327.12 | -0.235% | -4675.754751 | -7807.20468 |
| Mar 03, 2020 | 1,330.24 | 2.029% | 40443.16761 | -7750.424118 |
| Mar 02, 2020 | 1,303.79 | -0.941% | -18751.49031 | -7616.749179 |
| Feb 28, 2020 | 1,316.17 | -4.155% | -82835.33203 | -7326.784199 |
| Feb 27, 2020 | 1,373.23 | -0.413% | -8240.617725 | -7285.138022 |
| Feb 26, 2020 | 1,378.93 | -1.723% | -34341.17561 | -7237.119152 |
| | | | | |



| Feb 25, 2020 1,403.10 1-1976% -39386.88119 -6919.71458 Feb 24, 2020 1,431.38 -2.760% -55012.22894 -6852.19483 Feb 20, 2020 1,472.00 -1.187% -2.3660.09076 -6531.686855 Feb 19, 2020 1,453.62 -0.734% -14634.732 -6050.910573 Feb 17, 2020 1,464.37 -0.628% -12527.07464 -5681.701326 Feb 14, 2020 1,473.63 0.912% 18183.86918 -5833.967391 Feb 13, 2020 1,460.31 0.262% 5228.570742 -5792.487581 Feb 12, 2020 1,420.19 -1.656% -33020.83359 -5664.9201 Feb 10, 2020 1,420.19 -1.656% -33020.83591 -5663.9201 Feb 07, 2020 1,434.90 1.543% 3098.5415 -5663.5365 Feb 07, 2020 1,444.90 1.543% 3098.5415 -5663.5365 Feb 07, 2020 1,443.90 1.543% 3098.546706 -4955.33657 Feb 03, 2020 1,443.90 1.543% 3098.546706 -4955.43657 | | | | | A positive NPV Training Center |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|----------|---------|--------------|--------------------------------|
| Feb 20, 20201,472.00-1.187%-23660.09076-6531.686855Feb 19, 20201,489.682.481%49454.06158-61197.733781Feb 17, 20201,463.362-0.734%-14634.732-60059.010573Feb 17, 20201,464.37-0.628%-12527.07464-5861.701326Feb 13, 20201,463.310.262%5228.570742-5792.487581Feb 12, 20201,456.491.208%24075.92123-5604.120182Feb 10, 20201,422.120.136%2709.180814-5531.947585Feb 10, 20201,422.120.136%2709.180814-5531.947585Feb 07, 20201,420.19-1.656%-3302.83359-5468.945021Feb 06, 20201,444.110.642%12795.73176-5200.3020784Feb 05, 20201,413.012.952%58855.5443-5097.263097Feb 03, 20201,372.490.155%3098.646706-4985.856365Feb 01, 20201,370.36-2.004%-39959.67255-4943.000191Jan 31, 20201,379.39-2.233%-44326.20141-4675.754751Jan 30, 20201,465.950.550%10966.41883-4554.37621Jan 28, 20201,457.93-2.310%-46045.07404-4482.164252Jan 27, 20201,457.95-0.036%-721.5876933-3145.603156Jan 24, 20201,507.26-0.347%-6919.71458+4222.096532Jan 22, 20201,515.95-0.036%-721.5876933-3145.503156Jan 12, 20201,515.95-0.036%- | Feb 25, 2020 | 1,403.10 | -1.976% | -39386.88119 | -6919.71458 |
| Feb 19, 2020 1,489.68 2.481% 49454.06158 -6197.733781 Feb 18, 2020 1,453.62 -0.734% -14634.72 -6050.910573 Feb 17, 2020 1,464.37 -0.628% -12527.07464 -5861.701326 Feb 13, 2020 1,460.31 0.262% 5228.570742 -5792.487581 Feb 12, 2020 1,456.49 1.208% 24075.92123 -5671.30468 Feb 11, 2020 1,420.19 -1.656% -33020.83359 -5468.945021 Feb 05, 2020 1,421.19 0.1642% 12795.73176 -5200.320784 Feb 05, 2020 1,441.11 0.642% 12795.73176 -5200.320784 Feb 05, 2020 1,441.90 1.55% 3098.646706 -4958.55635 Feb 01, 2020 1,370.36 -2.004% -39959.67255 -4943.000191 Jan 31, 2020 1,370.36 -2.004% -39959.67255 -4943.000191 Jan 32, 2020 1,465.95 0.550% 10966.41883 -4554.37621 Jan 22, 2020 1,465.95 0.550% 10966.41883 -4554.37621 <td>Feb 24, 2020</td> <td>1,431.38</td> <td>-2.760%</td> <td>-55012.22894</td> <td>-6852.199483</td> | Feb 24, 2020 | 1,431.38 | -2.760% | -55012.22894 | -6852.199483 |
| Feb 18, 2020 1,453.62 -0.734% -14634.732 -6050.910573 Feb 17, 2020 1,464.37 -0.628% -12527.07464 -5861.701326 Feb 14, 2020 1,473.63 0.912% 18183.86918 -5833.967391 Feb 13, 2020 1,466.31 0.262% 5228.570742 -5792.48781 Feb 12, 2020 1,456.49 1.208% 24075.92123 -5671.30468 Feb 11, 2020 1,422.12 0.136% 2709.180814 -5531.947585 Feb 07, 2020 1,424.11 0.642% 12795.73176 -5200.320784 Feb 05, 2020 1,444.11 0.642% 12795.73176 -5200.320784 Feb 04, 2020 1,413.01 2.952% 5885.5443 -5097.263097 Feb 03, 2020 1,370.36 -2.004% -39959.67255 -4943.000191 Jan 31, 2020 1,370.36 -2.004% -39959.67255 -4943.000191 Jan 22, 2020 1,455.95 0.550% 10966.41883 -4554.37621 Jan 23, 2020 1,457.93 -2.310% -46645.07404 -44821.64252 <td>Feb 20, 2020</td> <td>1,472.00</td> <td>-1.187%</td> <td>-23660.09076</td> <td>-6531.686855</td> | Feb 20, 2020 | 1,472.00 | -1.187% | -23660.09076 | -6531.686855 |
| Feb 17, 20201,464.37-0.628%-12527.07464-5861.701326Feb 14, 20201,473.630.912%18183.86918-5833.967391Feb 13, 20201,460.410.262%5228.570742-5792.487581Feb 12, 20201,456.491.208%24075.92123-5671.30468Feb 12, 20201,456.491.208%24075.92123-5671.30468Feb 10, 20201,422.120.136%2709.180814-5531.947585Feb 07, 20201,421.10-1.656%-33020.83359-5468.945021Feb 05, 20201,444.110.642%12795.73176-5200.320784Feb 05, 20201,413.012.952%58855.5443-5097.263097Feb 03, 20201,372.490.155%3098.646706-4958.536365Feb 01, 20201,370.36-2.024%-39959.67255-4943.00191Jan 31, 20201,383.39-2.223%-4436.20141-4675.754751Jan 30, 20201,485.950.550%10966.41883-4554.37621Jan 28, 20201,457.93-2.310%-46045.07404-4482.164252Jan 27, 20201,507.26-0.347%-6919.71458-4222.096532Jan 23, 20201,512.51-0.424%-8452.195266-4113.66428Jan 24, 20201,507.26-0.347%-6919.71458-4222.096532Jan 22, 20201,515.95-0.036%-721.5876933-3145.503156Jan 12, 20201,551.460.922%18383.22668-2609.03404Jan 12, 20201,551.460.922%-1839.76197< | Feb 19, 2020 | 1,489.68 | 2.481% | 49454.06158 | -6197.733781 |
| Feb 14, 2020 1,473.63 0.912% 18183.86918 -5833.967391 Feb 13, 2020 1,460.31 0.262% 5228.570742 -5792.487581 Feb 12, 2020 1,456.49 1.208% 24075.92123 -5671.30468 Feb 10, 2020 1,422.12 0.136% 2709.180814 -5531.947585 Feb 07, 2020 1,424.12 0.136% 2709.180814 -5531.947585 Feb 06, 2020 1,444.11 0.642% 12795.73176 -5200.320784 Feb 05, 2020 1,443.00 1.549% 30883.5815 -5163.599419 Feb 03, 2020 1,431.01 2.952% 5885.5443 -5097.263097 Feb 03, 2020 1,372.49 0.155% 3098.646706 -4958.536365 Feb 01, 2020 1,370.36 -2.004% -3959.67255 -4943.000191 Jan 31, 2020 1,398.39 -2.233% -44630.13609 -4675.491517 Jan 29, 2020 1,465.95 0.550% 10966.41883 -4554.37621 Jan 28, 2020 1,512.51 -0.447% -6419.71458 -4222.06532 | Feb 18, 2020 | 1,453.62 | -0.734% | -14634.732 | -6050.910573 |
| Feb 13, 20201,460.310.262%5228.570742-5792.487581Feb 12, 20201,456.491.208%24075.92123-5671.30468Feb 11, 20201,422.120.0136%2709.180814-5531.947585Feb 07, 20201,422.120.0136%2709.180814-5531.947585Feb 07, 20201,420.19-1.656%-33020.83359-5468.945021Feb 05, 20201,444.110.642%12795.73176-5200.320784Feb 05, 20201,413.012.952%58855.5443-5097.263097Feb 04, 20201,372.490.155%3098.646706-4958.536365Feb 01, 20201,370.36-2.004%-39959.67255-4943.00191Jan 31, 20201,370.36-2.004%-39959.67255-4943.00191Jan 30, 20201,430.19-2.439%-44630.13609-4675.491517Jan 2, 20201,457.93-2.210%-46045.07404-4482.164252Jan 27, 20201,459.93-2.310%-46045.07404-4482.164252Jan 27, 20201,507.26-0.347%-6919.71458-4222.096532Jan 23, 20201,517.51-0.424%-8452.195266-4113.66428Jan 22, 20201,517.96-3.077%-61340.97915-3079.723741Jan 12, 20201,519.95-0.036%-721.5876933-3097.494031Jan 12, 20201,519.96-3.077%-61340.97915-3079.723741Jan 12, 20201,519.95-2.602%-18459.76197-2371.854277Jan 14, 20201,519.96-0.303% | Feb 17, 2020 | 1,464.37 | -0.628% | -12527.07464 | -5861.701326 |
| Feb 12, 20201,456.491.208%24075.92123-5671.30468Feb 11, 20201,439.111.195%23816.84703-5604.120182Feb 10, 20201,422.120.136%2709.180814-5531.947885Feb 07, 20201,420.19-1.656%-33020.83359-5468.945021Feb 05, 20201,444.110.642%12795.73176-5200.320784Feb 05, 20201,441.012.952%58855.5443-5097.263097Feb 03, 20201,372.490.155%3098.646706-4958.536365Feb 01, 20201,370.36-2.004%-39959.67255-4943.00191Jan 31, 20201,398.39-2.223%-44630.13609-4675.754751Jan 30, 20201,465.950.550%10966.41883-4554.37621Jan 29, 20201,465.950.550%10966.41883-4554.37621Jan 28, 20201,517.35-0.047%-61954.30848-4375.204624Jan 27, 20201,518.95-0.036%-721.5876933-3145.503156Jan 22, 20201,518.95-0.036%-721.5876933-3145.503156Jan 22, 20201,518.95-0.036%-721.5876933-3145.503156Jan 21, 20201,519.500.101%2022.495323-3097.494031Jan 12, 20201,519.500.101%2022.495323-3097.494031Jan 12, 20201,519.54-0.036%-721.5876933-3145.503156Jan 14, 20201,519.54-0.026%55862.73975-2895.98677Jan 15, 20201,523.460.922%18383.226 | Feb 14, 2020 | 1,473.63 | 0.912% | 18183.86918 | -5833.967391 |
| Feb 11, 2020 1,439.11 1.195% 23816.84703 -5604.120182 Feb 10, 2020 1,422.12 0.136% 2709.180814 -5531.947585 Feb 07, 2020 1,424.019 -1.656% -33020.83359 -5468.945021 Feb 05, 2020 1,444.11 0.642% 12795.73176 -5200.320784 Feb 05, 2020 1,434.90 1.549% 30883.5815 -5163.599419 Feb 03, 2020 1,372.49 0.155% 3098.646706 -4958.536365 Feb 01, 2020 1,370.36 -2.004% -39959.67255 -4943.000191 Jan 31, 2020 1,435.93 -2.233% -44362.20141 -4675.754751 Jan 30, 2020 1,465.95 0.550% 10966.41883 -4655.47621 Jan 29, 2020 1,465.93 -2.310% -46045.07404 -4482.164252 Jan 27, 2020 1,492.40 -0.986% -19654.30848 -4375.204624 Jan 22, 2020 1,515.95 -0.036% -721.5876933 -3145.503156 Jan 22, 2020 1,518.95 -0.0366% -721.5876933 -314 | Feb 13, 2020 | 1,460.31 | 0.262% | 5228.570742 | -5792.487581 |
| Feb 10, 20201,422.120.136%2709.180814-5531.947585Feb 07, 20201,420.19-1.656%-33020.83359-5468.945021Feb 06, 20201,444.110.642%12795.73176-5200.320784Feb 05, 20201,434.901.549%30883.5815-5163.599419Feb 04, 20201,413.012.952%58855.5443-5097.263097Feb 03, 20201,372.490.155%3098.646706-4958.356355Feb 01, 20201,370.36-2.004%-39959.67255-4943.000191Jan 31, 20201,398.39-2.223%-44326.20141-4675.754751Jan 30, 20201,450.950.550%10966.41883-4554.37621Jan 29, 20201,457.93-2.310%-46045.07404-4482.164252Jan 27, 20201,457.93-2.310%-46045.07404-4482.164252Jan 27, 20201,512.51-0.424%-8452.195266-4113.66428Jan 22, 20201,512.51-0.0424%-8452.195266-4113.66428Jan 22, 20201,517.96-3.077%-61340.97915-3079.723741Jan 12, 20201,517.96-3.077%-51840.97915-3097.494031Jan 17, 20201,523.460.922%18383.22668-2609.03404Jan 13, 20201,515.04-0.926%-18459.76197-2371.854277Jan 14, 20201,515.04-0.926%-18459.76197-2371.854277Jan 13, 20201,533.12-0.022%-4421.015255-2223.938799Jan 09, 20201,533.12-0.026% | Feb 12, 2020 | 1,456.49 | 1.208% | 24075.92123 | -5671.30468 |
| Feb 07, 20201,420.19-1.656%-33020.83359-5468.945021Feb 06, 20201,444.110.642%12795.73176-5200.320784Feb 05, 20201,434.901.549%30883.5815-5163.599419Feb 04, 20201,413.012.952%58855.5443-5097.63097Feb 03, 20201,372.490.155%3098.646706-4958.536365Feb 01, 20201,370.36-2.004%-39959.67255-4943.00191Jan 31, 20201,430.19-2.439%-44326.20141-4675.754751Jan 30, 20201,465.950.550%10966.41883-4554.37621Jan 29, 20201,465.950.550%10966.41883-4554.37621Jan 28, 20201,507.26-0.347%-6919.71458-4222.096532Jan 24, 20201,507.26-0.347%-6919.71458-4222.096532Jan 22, 20201,512.51-0.424%-8452.195266-4113.66428Jan 22, 20201,517.96-0.036%-721.5876933-3145.503156Jan 21, 20201,517.96-0.011%2022.495323-3097.494031Jan 12, 20201,517.96-0.363%-7237.119152-2533.50594Jan 16, 20201,523.460.922%18383.22668-2609.033404Jan 15, 20201,533.12-0.026%-5987.66397-2323.071196Jan 16, 20201,533.12-0.022%4429.015297-233.80594Jan 13, 20201,533.12-0.022%-4424.015295-2272.603747Jan 09, 20201,533.12-0.022%-4424.0152 | Feb 11, 2020 | 1,439.11 | 1.195% | 23816.84703 | -5604.120182 |
| Feb 06, 20201,444.110.642%12795.73176-5200.320784Feb 05, 20201,434.901.549%30883.5815-5163.599419Feb 04, 20201,413.012.952%58855.5443-5097.263097Feb 03, 20201,372.490.155%3098.646706-4958.536365Feb 01, 20201,370.36-2.004%-39959.67255-4943.000191Jan 31, 20201,430.19-2.439%-4436.0141-4675.754751Jan 30, 20201,465.950.550%10966.41883-4554.37621Jan 29, 20201,465.950.550%10966.41883-4554.37621Jan 28, 20201,457.93-2.310%-46045.07404-4482.164252Jan 27, 20201,492.40-0.986%-19654.30848-4375.204624Jan 24, 20201,507.26-0.347%-6919.71458-4222.096532Jan 23, 20201,515.51-0.0424%-8452.195266-4113.66428Jan 22, 20201,519.500.101%2022.495323-3097.494031Jan 21, 20201,519.500.101%2022.495323-3097.723741Jan 17, 20201,552.460.922%18383.22668-2609.033404Jan 15, 20201,529.20-0.256%55962.73975-2895.989677Jan 15, 20201,559.44-0.022%-41845.976197-2371.854277Jan 16, 20201,559.46-0.022%-18383.22668-2609.033404Jan 10, 20201,533.462.303%45910.67421-2223.938799Jan 10, 20201,533.462.303%45910.674 | Feb 10, 2020 | 1,422.12 | 0.136% | 2709.180814 | -5531.947585 |
| Feb 05, 20201,434.901.549%30883.5815-5163.599419Feb 04, 20201,413.012.952%58855.5443-5097.263097Feb 03, 20201,372.490.155%3098.646706-4958.536365Feb 01, 20201,370.36-2.004%-39959.67255-4943.000191Jan 31, 20201,398.39-2.223%-44326.20141-4675.754751Jan 30, 20201,430.19-2.439%-48630.13609-4675.491517Jan 29, 20201,465.950.550%10966.41883-4554.37621Jan 28, 20201,457.93-2.310%-6005.07404-4482.164252Jan 27, 20201,492.40-0.986%-19654.30848-4375.204624Jan 24, 20201,507.26-0.347%-6919.71458-4222.096532Jan 23, 20201,512.51-0.424%-8452.195266-4113.66428Jan 22, 20201,518.95-0.036%-721.5876933-3145.503156Jan 21, 20201,517.96-3.077%-61340.97915-3097.494031Jan 17, 20201,551.04-0.926%58862.73975-2895.988677Jan 16, 20201,551.04-0.926%-5097.263097-2331.071196Jan 15, 20201,551.04-0.926%-5097.263097-2331.071196Jan 14, 20201,551.04-0.926%-5097.263097-2323.071196Jan 10, 20201,533.462.303%45910.67421-2223.938799Jan 03, 20201,533.462.303%45910.67421-223.938799Jan 04, 20201,510.281.753%33 | Feb 07, 2020 | 1,420.19 | -1.656% | -33020.83359 | -5468.945021 |
| Feb 04, 20201,413.012.952%58855.5443-5097.263097Feb 03, 20201,372.490.155%3098.646706-4958.536365Feb 01, 20201,370.36-2.004%-39959.67255-4943.000191Jan 31, 20201,383.99-2.223%-44326.20141-4675.754751Jan 30, 20201,430.19-2.439%-48630.13609-4675.491517Jan 29, 20201,455.950.550%10966.41883-4554.37621Jan 28, 20201,457.93-2.310%-46045.07404-4482.164252Jan 27, 20201,492.40-0.986%-19654.30848-4375.204624Jan 24, 20201,512.51-0.424%-6919.71458-4222.096532Jan 22, 20201,512.51-0.036%-721.5876933-3145.503156Jan 21, 20201,519.500.101%2022.495323-3097.494031Jan 17, 20201,566.152.802%55862.73975-2895.989677Jan 16, 20201,551.54-0.926%-18439.76197-2371.854277Jan 14, 20201,515.04-0.926%-5097.263097-2323.071196Jan 13, 20201,513.12-0.022%-5097.263097-2323.071196Jan 14, 20201,513.462.303%45910.67421-2223.938799Jan 02, 20201,510.281.538%30665.87603-1194.94054Jan 02, 20201,510.281.538%30665.87603-1194.94054Jan 03, 20201,523.462.303%45910.67421-2223.938799Jan 04, 20201,487.40-2.320%-462 | Feb 06, 2020 | 1,444.11 | 0.642% | 12795.73176 | -5200.320784 |
| Feb 03, 20201,372.490.155%3098.646706-4958.536365Feb 01, 20201,370.36-2.004%-39959.67255-4943.000191Jan 31, 20201,398.39-2.223%-44326.20141-4675.754751Jan 30, 20201,430.19-2.439%-48630.13609-4675.491517Jan 29, 20201,465.950.550%10966.41883-4554.37621Jan 28, 20201,457.93-2.310%-46045.07404-4482.164252Jan 27, 20201,492.40-0.986%-19654.30848-4375.204624Jan 24, 20201,507.26-0.347%-6919.71458-4222.096532Jan 23, 20201,512.51-0.424%-8452.195266-4113.66428Jan 22, 20201,518.95-0.036%-721.5876933-3145.503156Jan 21, 20201,519.500.101%2022.495323-3097.494031Jan 20, 20201,519.500.101%2022.495323-3097.494031Jan 17, 20201,561.552.802%55862.73975-2895.989677Jan 16, 20201,523.460.922%18383.22668-2609.033404Jan 15, 20201,515.04-0.926%-18459.76197-2371.854277Jan 13, 20201,513.452.002%442.0115295-2222.603747Jan 09, 20201,533.462.303%45910.67421-2223.938799Jan 09, 20201,533.462.303%45910.67421-2223.938799Jan 08, 20201,487.40-2.320%-46241.05942-1676.862533Jan 09, 20201,520.881.703%339 | Feb 05, 2020 | 1,434.90 | 1.549% | 30883.5815 | -5163.599419 |
| Feb 01, 20201,370.36-2.004%-39959.67255-4943.000191Jan 31, 20201,398.39-2.223%-44326.20141-4675.754751Jan 30, 20201,430.19-2.439%-48630.13609-4675.491517Jan 29, 20201,465.950.550%10966.41883-4554.37621Jan 28, 20201,457.93-2.310%-46045.07404-4482.164252Jan 27, 20201,492.40-0.986%-19654.30848-4375.204624Jan 24, 20201,507.26-0.347%-6919.71458-4222.096532Jan 23, 20201,512.51-0.424%-8452.195266-4113.66428Jan 21, 20201,518.95-0.036%-721.5876933-3145.503156Jan 21, 20201,519.500.101%2022.495323-3097.494031Jan 20, 20201,517.96-3.077%-61340.97915-3079.723741Jan 17, 20201,566.152.802%55862.73975-2895.989677Jan 16, 20201,519.44-0.926%-18459.76197-2371.854277Jan 15, 20201,519.44-0.926%-18459.76197-2371.854277Jan 13, 20201,529.20-0.256%-5097.263097-2323.071196Jan 09, 20201,519.44-0.022%442.0115295-2272.603747Jan 09, 20201,519.281.538%30665.87603-1949.4054Jan 09, 20201,529.20-0.256%-5097.263097-2323.071196Jan 09, 20201,529.722.021%2411.848404-1667.149218Jan 09, 20201,529.722.023% <t< td=""><td>Feb 04, 2020</td><td>1,413.01</td><td>2.952%</td><td>58855.5443</td><td>-5097.263097</td></t<> | Feb 04, 2020 | 1,413.01 | 2.952% | 58855.5443 | -5097.263097 |
| Jan 31, 20201,398.39-2.223%-44326.20141-4675.754751Jan 30, 20201,430.19-2.439%-48630.13609-4675.491517Jan 29, 20201,465.950.550%10966.41883-4554.37621Jan 28, 20201,457.93-2.310%-46045.07404-4482.164252Jan 27, 20201,492.40-0.986%-19654.30848-4375.204624Jan 24, 20201,507.26-0.347%-6919.71458-4222.096532Jan 23, 20201,512.51-0.424%-8452.195266-4113.66428Jan 22, 20201,518.95-0.036%-721.5876933-3145.503156Jan 21, 20201,519.500.101%2022.495323-3097.494031Jan 17, 20201,519.500.101%2022.495323-3097.494031Jan 17, 20201,519.500.101%2022.495323-3097.494031Jan 17, 20201,519.500.010%2022.495323-3097.494031Jan 16, 20201,523.460.922%18383.22668-2609.03404Jan 15, 20201,509.54-0.363%-7237.119152-2533.505594Jan 14, 20201,515.04-0.926%-5097.263097-2323.071196Jan 09, 20201,533.42-0.022%-442.0115295-2272.603747Jan 09, 20201,533.462.303%45910.67421-2223.938799Jan 08, 20201,488.94-0.751%-14968.65283-2024.530017Jan 09, 20201,520.720.121%2411.848404-1667.149218Jan 03, 20201,520.720.121%24 | Feb 03, 2020 | 1,372.49 | 0.155% | 3098.646706 | -4958.536365 |
| Jan 30, 20201,430.19-2.439%-48630.13609-4675.491517Jan 29, 20201,465.950.550%10966.41883-4554.37621Jan 28, 20201,457.93-2.310%-46045.07404-4482.164252Jan 27, 20201,492.40-0.986%-19654.30848-4375.204624Jan 24, 20201,507.26-0.347%-6919.71458-4222.096532Jan 23, 20201,512.51-0.424%-8452.195266-4113.66428Jan 22, 20201,518.95-0.036%-721.5876933-3145.503156Jan 21, 20201,519.500.101%2022.495323-3097.494031Jan 20, 20201,517.96-3.077%-61340.97915-3079.723741Jan 17, 20201,523.460.922%18383.22668-2609.033404Jan 15, 20201,515.04-0.926%-7237.119152-2533.505594Jan 14, 20201,515.04-0.926%-18459.76197-2371.854277Jan 13, 20201,533.12-0.022%-442.0115295-2222.03747Jan 09, 20201,533.462.303%45910.67421-2223.938799Jan 08, 20201,533.462.303%30665.87603-1949.4054Jan 07, 20201,510.281.538%30665.87603-1949.4054Jan 03, 20201,52.720.121%2411.848404-1667.149218Jan 03, 20201,52.881.703%33940.82131-1662.483758Jan 01, 20201,52.881.703%33940.82131-1662.483758Jan 02, 20201,52.720.121%2411.848404< | Feb 01, 2020 | 1,370.36 | -2.004% | -39959.67255 | -4943.000191 |
| Jan 29, 20201,465.950.550%10966.41883-4554.37621Jan 28, 20201,457.93-2.310%-46045.07404-4482.164252Jan 27, 20201,492.40-0.986%-19654.30848-4375.204624Jan 24, 20201,507.26-0.347%-6919.71458-4222.096532Jan 23, 20201,512.51-0.424%-8452.195266-4113.66428Jan 22, 20201,518.95-0.036%-721.5876933-3145.503156Jan 21, 20201,519.500.101%2022.495323-3097.494031Jan 20, 20201,517.96-3.077%-61340.97915-3079.723741Jan 17, 20201,566.152.802%55862.73975-2895.89677Jan 16, 20201,55.04-0.926%-18383.22668-2609.033404Jan 15, 20201,51.04-0.926%-18459.76197-2331.05594Jan 13, 20201,55.04-0.022%-442.0115295-2272.603747Jan 13, 20201,533.462.303%45910.67421-2223.938799Jan 09, 20201,533.462.303%45910.67421-2223.938799Jan 07, 20201,510.281.538%30665.87603-1949.4054Jan 06, 20201,487.40-2.320%-46241.05942-1676.862533Jan 03, 20201,52.720.121%2411.848404-1667.149218Jan 03, 20201,52.881.703%33940.82131-1662.483758Jan 01, 20201,495.42-0.294%-5861.701326-1633.130632Jan 02, 20201,520.881.703%33940.8213 | Jan 31, 2020 | 1,398.39 | -2.223% | -44326.20141 | -4675.754751 |
| Jan 28, 20201,457.93-2.310%-46045.07404-4482.164252Jan 27, 20201,492.40-0.986%-19654.30848-4375.204624Jan 24, 20201,507.26-0.347%-6919.71458-4222.096532Jan 23, 20201,512.51-0.424%-8452.195266-4113.66428Jan 22, 20201,518.95-0.036%-721.5876933-3145.503156Jan 21, 20201,519.500.101%2022.495323-3097.494031Jan 20, 20201,517.96-3.077%-61340.97915-3079.723741Jan 17, 20201,566.152.802%55862.73975-2895.989677Jan 16, 20201,523.460.922%18383.22668-2609.033404Jan 15, 20201,509.54-0.363%-7237.119152-2533.505594Jan 14, 20201,515.04-0.926%-18459.76197-2371.854277Jan 13, 20201,533.12-0.022%-442.0115295-2272.603747Jan 09, 20201,533.462.303%45910.67421-2223.938799Jan 07, 20201,510.281.538%30665.87603-1949.4054Jan 06, 20201,487.40-2.320%-46241.05942-1676.862533Jan 03, 20201,520.881.703%33940.82131-1662.483758Jan 02, 20201,520.881.703%33940.82131-1662.483758Jan 01, 20201,495.42-0.294%-5861.701326-1633.130632Dec 31, 20191,499.83-1.953%-38927.46192-1593.530089Dec 30, 20191,529.700.120% | Jan 30, 2020 | 1,430.19 | -2.439% | -48630.13609 | -4675.491517 |
| Jan 27, 20201,492.40-0.986%-19654.30848-4375.204624Jan 24, 20201,507.26-0.347%-6919.71458-4222.096532Jan 23, 20201,512.51-0.424%-8452.195266-4113.66428Jan 22, 20201,518.95-0.036%-721.5876933-3145.503156Jan 21, 20201,519.500.101%2022.495323-3097.494031Jan 20, 20201,517.96-3.077%-61340.97915-3079.723741Jan 17, 20201,523.460.922%18383.22668-2609.033404Jan 15, 20201,59.54-0.363%-7237.119152-2533.505594Jan 14, 20201,515.04-0.926%-18459.76197-2371.854277Jan 13, 20201,533.12-0.022%-442.0115295-2272.603747Jan 09, 20201,533.462.303%45910.67421-2223.938799Jan 08, 20201,498.94-0.751%-14968.65283-2024.530017Jan 07, 20201,527.270.121%2411.848404-1667.149218Jan 03, 20201,520.881.703%33940.82131-1662.483758Jan 01, 20201,499.43-0.294%-5861.701326-1633.130632Jan 03, 20201,520.780.294%-5861.701326-1633.130632Jan 01, 20201,495.42-0.294%-5861.701326-1633.130632Jan 03, 20201,520.781.703%33940.82131-1662.483758Jan 01, 20201,495.42-0.294%-5861.701326-1633.130632Jan 01, 20201,499.83-1.953%< | Jan 29, 2020 | 1,465.95 | 0.550% | 10966.41883 | -4554.37621 |
| Jan 24, 20201,507.26-0.347%-6919.71458-4222.096532Jan 23, 20201,512.51-0.424%-8452.195266-4113.66428Jan 22, 20201,518.95-0.036%-721.5876933-3145.503156Jan 21, 20201,519.500.101%2022.495323-3097.494031Jan 20, 20201,517.96-3.077%-61340.97915-3079.723741Jan 17, 20201,561.52.802%55862.73975-2895.989677Jan 16, 20201,523.460.922%18383.22668-2609.033404Jan 15, 20201,509.54-0.363%-7237.119152-2533.505594Jan 14, 20201,515.04-0.926%-18459.76197-2371.854277Jan 13, 20201,533.12-0.022%-442.0115295-2272.603747Jan 09, 20201,533.462.303%45910.67421-2223.938799Jan 08, 20201,498.94-0.751%-14968.65283-2024.530017Jan 07, 20201,487.40-2.320%-46241.05942-1676.862533Jan 03, 20201,52.720.121%2411.848404-1667.149218Jan 02, 20201,499.831.703%33940.82131-1662.483758Jan 01, 20201,495.42-0.294%-5861.701326-1633.130632Dec 31, 20191,499.83-1.953%-38927.46192-1593.530089Dec 30, 20191,529.700.120%2387.766302-1191.958146 | Jan 28, 2020 | 1,457.93 | -2.310% | -46045.07404 | -4482.164252 |
| Jan 23, 20201,512.51-0.424%-8452.195266-4113.66428Jan 22, 20201,518.95-0.036%-721.5876933-3145.503156Jan 21, 20201,519.500.101%2022.495323-3097.494031Jan 20, 20201,517.96-3.077%-61340.97915-3079.723741Jan 17, 20201,566.152.802%55862.73975-2895.989677Jan 16, 20201,523.460.922%18383.22668-2609.033404Jan 15, 20201,509.54-0.363%-7237.119152-2533.505594Jan 14, 20201,515.04-0.926%-18459.76197-2371.854277Jan 13, 20201,529.20-0.256%-5097.263097-2323.071196Jan 10, 20201,533.12-0.022%-442.0115295-2272.603747Jan 09, 20201,533.462.303%45910.67421-2223.938799Jan 07, 20201,510.281.538%30665.87603-1949.4054Jan 06, 20201,487.40-2.320%-46241.05942-1676.862533Jan 03, 20201,522.720.121%2411.848404-1667.149218Jan 02, 20201,520.881.703%33940.82131-1662.483758Jan 01, 20201,520.881.703%-38927.46192-1593.530089Dec 31, 20191,499.83-1.953%-38927.46192-1593.530089Dec 30, 20191,529.700.120%2387.766302-1191.958146 | Jan 27, 2020 | 1,492.40 | -0.986% | -19654.30848 | -4375.204624 |
| Jan 22, 20201,518.95-0.036%-721.5876933-3145.503156Jan 21, 20201,519.500.101%2022.495323-3097.494031Jan 20, 20201,517.96-3.077%-61340.97915-3079.723741Jan 17, 20201,566.152.802%55862.73975-2895.989677Jan 16, 20201,523.460.922%18383.22668-2609.033404Jan 15, 20201,509.54-0.363%-7237.119152-2533.505594Jan 14, 20201,515.04-0.926%-18459.76197-2371.854277Jan 13, 20201,529.20-0.256%-5097.263097-2323.071196Jan 0, 20201,533.12-0.022%-442.0115295-2227.603747Jan 09, 20201,533.462.303%45910.67421-2223.938799Jan 08, 20201,498.94-0.751%-14968.65283-2024.530017Jan 07, 20201,510.281.538%30665.87603-1949.4054Jan 03, 20201,522.720.121%2411.848404-1667.149218Jan 02, 20201,520.881.703%33940.82131-1662.483758Jan 01, 20201,495.42-0.294%-5861.701326-1633.130632Jan 01, 20201,495.42-0.294%-38927.46192-1593.530089Dec 31, 20191,499.83-1.953%-38927.46192-1191.958146 | Jan 24, 2020 | 1,507.26 | -0.347% | -6919.71458 | -4222.096532 |
| Jan 21, 20201,519.500.101%2022.495323-3097.494031Jan 20, 20201,517.96-3.077%-61340.97915-3079.723741Jan 17, 20201,566.152.802%55862.73975-2895.989677Jan 16, 20201,523.460.922%18383.22668-2609.033404Jan 15, 20201,509.54-0.363%-7237.119152-2533.505594Jan 14, 20201,515.04-0.926%-18459.76197-2371.854277Jan 13, 20201,529.20-0.256%-5097.263097-2323.071196Jan 10, 20201,533.12-0.022%-442.0115295-2272.603747Jan 09, 20201,533.462.303%45910.67421-2223.938799Jan 09, 20201,510.281.538%30665.87603-1949.4054Jan 07, 20201,510.281.538%30665.87603-1949.4054Jan 03, 20201,52.720.121%2411.848404-1667.149218Jan 01, 20201,520.881.703%33940.82131-1662.483758Jan 01, 20201,495.42-0.294%-5861.701326-1633.130632Dec 31, 20191,499.83-1.953%-38927.46192-1593.530089Dec 30, 20191,529.700.120%2387.766302-1191.958146 | Jan 23, 2020 | 1,512.51 | -0.424% | -8452.195266 | -4113.66428 |
| Jan 20, 20201,517.96-3.077%-61340.97915-3079.723741Jan 17, 20201,566.152.802%55862.73975-2895.989677Jan 16, 20201,523.460.922%18383.22668-2609.033404Jan 15, 20201,509.54-0.363%-7237.119152-2533.505594Jan 14, 20201,515.04-0.926%-18459.76197-2371.854277Jan 13, 20201,529.20-0.256%-5097.263097-2323.071196Jan 0, 20201,533.12-0.022%-442.0115295-2272.603747Jan 09, 20201,533.462.303%45910.67421-2223.938799Jan 09, 20201,510.281.538%30665.87603-1949.4054Jan 07, 20201,510.281.538%30665.87603-1949.4054Jan 03, 20201,522.720.121%2411.848404-1667.149218Jan 01, 20201,520.881.703%33940.82131-1662.483758Jan 01, 20201,495.42-0.294%-5861.701326-1633.130632Dec 31, 20191,499.83-1.953%-38927.46192-1593.530089Dec 30, 20191,529.700.120%2387.766302-1191.958146 | Jan 22, 2020 | 1,518.95 | -0.036% | -721.5876933 | -3145.503156 |
| Jan 17, 20201,566.152.802%55862.73975-2895.989677Jan 16, 20201,523.460.922%18383.22668-2609.033404Jan 15, 20201,509.54-0.363%-7237.119152-2533.505594Jan 14, 20201,515.04-0.926%-18459.76197-2371.854277Jan 13, 20201,529.20-0.256%-5097.263097-2323.071196Jan 10, 20201,533.12-0.022%-442.0115295-2272.603747Jan 09, 20201,533.462.303%45910.67421-2223.938799Jan 08, 20201,498.94-0.751%-14968.65283-2024.530017Jan 07, 20201,510.281.538%30665.87603-1949.4054Jan 06, 20201,487.40-2.320%-46241.05942-1667.149218Jan 03, 20201,520.881.703%33940.82131-1662.483758Jan 01, 20201,495.42-0.294%-5861.701326-1633.130632Dec 31, 20191,499.83-1.953%-38927.46192-1593.530089Dec 30, 20191,529.700.120%2387.766302-1191.958146 | Jan 21, 2020 | 1,519.50 | 0.101% | 2022.495323 | -3097.494031 |
| Jan 16, 20201,523.460.922%18383.22668-2609.033404Jan 15, 20201,509.54-0.363%-7237.119152-2533.505594Jan 14, 20201,515.04-0.926%-18459.76197-2371.854277Jan 13, 20201,529.20-0.256%-5097.263097-2323.071196Jan 10, 20201,533.12-0.022%-442.0115295-2272.603747Jan 09, 20201,533.462.303%45910.67421-2223.938799Jan 08, 20201,498.94-0.751%-14968.65283-2024.530017Jan 07, 20201,510.281.538%30665.87603-1949.4054Jan 06, 20201,487.40-2.320%-46241.05942-1676.862533Jan 03, 20201,520.720.121%2411.848404-1667.149218Jan 01, 20201,495.42-0.294%-5861.701326-1633.130632Dec 31, 20191,499.83-1.953%-38927.46192-1593.530089Dec 30, 20191,529.700.120%2387.766302-1191.958146 | Jan 20, 2020 | 1,517.96 | -3.077% | -61340.97915 | -3079.723741 |
| Jan 15, 20201,509.54-0.363%-7237.119152-2533.505594Jan 14, 20201,515.04-0.926%-18459.76197-2371.854277Jan 13, 20201,529.20-0.256%-5097.263097-2323.071196Jan 10, 20201,533.12-0.022%-442.0115295-2272.603747Jan 09, 20201,533.462.303%45910.67421-2223.938799Jan 08, 20201,498.94-0.751%-14968.65283-2024.530017Jan 07, 20201,510.281.538%30665.87603-1949.4054Jan 06, 20201,487.40-2.320%-46241.05942-1676.862533Jan 03, 20201,522.720.121%2411.848404-1667.149218Jan 01, 20201,495.42-0.294%-5861.701326-1633.130632Dec 31, 20191,499.83-1.953%-38927.46192-1593.530089Dec 30, 20191,529.700.120%2387.766302-1191.958146 | Jan 17, 2020 | 1,566.15 | 2.802% | 55862.73975 | -2895.989677 |
| Jan 14, 20201,515.04-0.926%-18459.76197-2371.854277Jan 13, 20201,529.20-0.256%-5097.263097-2323.071196Jan 10, 20201,533.12-0.022%-442.0115295-2272.603747Jan 09, 20201,533.462.303%45910.67421-2223.938799Jan 08, 20201,498.94-0.751%-14968.65283-2024.530017Jan 07, 20201,510.281.538%30665.87603-1949.4054Jan 06, 20201,487.40-2.320%-46241.05942-1676.862533Jan 03, 20201,522.720.121%2411.848404-1667.149218Jan 02, 20201,520.881.703%33940.82131-1662.483758Jan 01, 20201,495.42-0.294%-5861.701326-1633.130632Dec 31, 20191,499.83-1.953%-38927.46192-1593.530089Dec 30, 20191,529.700.120%2387.766302-1191.958146 | Jan 16, 2020 | 1,523.46 | 0.922% | 18383.22668 | -2609.033404 |
| Jan 13, 20201,529.20-0.256%-5097.263097-2323.071196Jan 10, 20201,533.12-0.022%-442.0115295-2272.603747Jan 09, 20201,533.462.303%45910.67421-2223.938799Jan 08, 20201,498.94-0.751%-14968.65283-2024.530017Jan 07, 20201,510.281.538%30665.87603-1949.4054Jan 06, 20201,487.40-2.320%-46241.05942-1676.862533Jan 03, 20201,522.720.121%2411.848404-1667.149218Jan 02, 20201,520.881.703%33940.82131-1662.483758Jan 01, 20201,495.42-0.294%-5861.701326-1633.130632Dec 31, 20191,499.83-1.953%-38927.46192-1593.530089Dec 30, 20191,529.700.120%2387.766302-1191.958146 | Jan 15, 2020 | 1,509.54 | -0.363% | -7237.119152 | -2533.505594 |
| Jan 10, 20201,533.12-0.022%-442.0115295-2272.603747Jan 09, 20201,533.462.303%45910.67421-2223.938799Jan 08, 20201,498.94-0.751%-14968.65283-2024.530017Jan 07, 20201,510.281.538%30665.87603-1949.4054Jan 06, 20201,487.40-2.320%-46241.05942-1676.862533Jan 03, 20201,522.720.121%2411.848404-1667.149218Jan 02, 20201,520.881.703%33940.82131-1662.483758Jan 01, 20201,495.42-0.294%-5861.701326-1633.130632Dec 31, 20191,499.83-1.953%-38927.46192-1593.530089Dec 30, 20191,529.700.120%2387.766302-1191.958146 | Jan 14, 2020 | 1,515.04 | -0.926% | -18459.76197 | -2371.854277 |
| Jan 09, 20201,533.462.303%45910.67421-2223.938799Jan 08, 20201,498.94-0.751%-14968.65283-2024.530017Jan 07, 20201,510.281.538%30665.87603-1949.4054Jan 06, 20201,487.40-2.320%-46241.05942-1676.862533Jan 03, 20201,522.720.121%2411.848404-1667.149218Jan 02, 20201,520.881.703%33940.82131-1662.483758Jan 01, 20201,495.42-0.294%-5861.701326-1633.130632Dec 31, 20191,499.83-1.953%-38927.46192-1593.530089Dec 30, 20191,529.700.120%2387.766302-1191.958146 | Jan 13, 2020 | 1,529.20 | -0.256% | -5097.263097 | -2323.071196 |
| Jan 08, 20201,498.94-0.751%-14968.65283-2024.530017Jan 07, 20201,510.281.538%30665.87603-1949.4054Jan 06, 20201,487.40-2.320%-46241.05942-1676.862533Jan 03, 20201,522.720.121%2411.848404-1667.149218Jan 02, 20201,520.881.703%33940.82131-1662.483758Jan 01, 20201,495.42-0.294%-5861.701326-1633.130632Dec 31, 20191,499.83-1.953%-38927.46192-1593.530089Dec 30, 20191,529.700.120%2387.766302-1191.958146 | Jan 10, 2020 | 1,533.12 | -0.022% | -442.0115295 | -2272.603747 |
| Jan 07, 20201,510.281.538%30665.87603-1949.4054Jan 06, 20201,487.40-2.320%-46241.05942-1676.862533Jan 03, 20201,522.720.121%2411.848404-1667.149218Jan 02, 20201,520.881.703%33940.82131-1662.483758Jan 01, 20201,495.42-0.294%-5861.701326-1633.130632Dec 31, 20191,499.83-1.953%-38927.46192-1593.530089Dec 30, 20191,529.700.120%2387.766302-1191.958146 | Jan 09, 2020 | 1,533.46 | 2.303% | 45910.67421 | -2223.938799 |
| Jan 06, 20201,487.40-2.320%-46241.05942-1676.862533Jan 03, 20201,522.720.121%2411.848404-1667.149218Jan 02, 20201,520.881.703%33940.82131-1662.483758Jan 01, 20201,495.42-0.294%-5861.701326-1633.130632Dec 31, 20191,499.83-1.953%-38927.46192-1593.530089Dec 30, 20191,529.700.120%2387.766302-1191.958146 | Jan 08, 2020 | 1,498.94 | -0.751% | -14968.65283 | -2024.530017 |
| Jan 03, 20201,522.720.121%2411.848404-1667.149218Jan 02, 20201,520.881.703%33940.82131-1662.483758Jan 01, 20201,495.42-0.294%-5861.701326-1633.130632Dec 31, 20191,499.83-1.953%-38927.46192-1593.530089Dec 30, 20191,529.700.120%2387.766302-1191.958146 | Jan 07, 2020 | 1,510.28 | 1.538% | 30665.87603 | -1949.4054 |
| Jan 02, 20201,520.881.703%33940.82131-1662.483758Jan 01, 20201,495.42-0.294%-5861.701326-1633.130632Dec 31, 20191,499.83-1.953%-38927.46192-1593.530089Dec 30, 20191,529.700.120%2387.766302-1191.958146 | Jan 06, 2020 | 1,487.40 | -2.320% | -46241.05942 | -1676.862533 |
| Jan 01, 20201,495.42-0.294%-5861.701326-1633.130632Dec 31, 20191,499.83-1.953%-38927.46192-1593.530089Dec 30, 20191,529.700.120%2387.766302-1191.958146 | Jan 03, 2020 | 1,522.72 | 0.121% | 2411.848404 | -1667.149218 |
| Dec 31, 20191,499.83-1.953%-38927.46192-1593.530089Dec 30, 20191,529.700.120%2387.766302-1191.958146 | Jan 02, 2020 | 1,520.88 | 1.703% | 33940.82131 | -1662.483758 |
| Dec 30, 2019 1,529.70 0.120% 2387.766302 -1191.958146 | Jan 01, 2020 | 1,495.42 | -0.294% | -5861.701326 | -1633.130632 |
| | Dec 31, 2019 | 1,499.83 | -1.953% | -38927.46192 | -1593.530089 |
| Dec 27, 2019 1,527.87 1.779% 35457.53312 -1132.4951 | Dec 30, 2019 | 1,529.70 | 0.120% | 2387.766302 | -1191.958146 |
| | Dec 27, 2019 | 1,527.87 | 1.779% | 35457.53312 | -1132.4951 |



| | | | | A positive NPV Training Center |
|--------------|----------|---------|--------------|--------------------------------|
| Dec 26, 2019 | 1,501.17 | -2.008% | -40028.98174 | -721.5876933 |
| Dec 24, 2019 | 1,531.93 | -1.587% | -31645.48033 | -648.6605206 |
| Dec 23, 2019 | 1,556.64 | -1.732% | -34532.98571 | -493.8522898 |
| Dec 20, 2019 | 1,584.08 | -0.674% | -13437.58426 | -448.7066948 |
| Dec 19, 2019 | 1,594.83 | 2.164% | 43138.98914 | -442.0115295 |
| Dec 18, 2019 | 1,561.05 | 0.841% | 16767.13048 | -182.162503 |
| Dec 17, 2019 | 1,548.03 | -0.249% | -4958.536365 | -81.65066597 |
| Dec 16, 2019 | 1,551.89 | -1.030% | -20532.53265 | 0 |
| Dec 13, 2019 | 1,568.04 | 0.938% | 18697.5117 | 137.777916 |
| Dec 12, 2019 | 1,553.47 | 0.371% | 7393.393551 | 366.4950823 |
| Dec 11, 2019 | 1,547.73 | 0.029% | 579.7900186 | 579.7900186 |
| Dec 10, 2019 | 1,547.28 | -0.677% | -13500.80079 | 605.3626467 |
| Dec 09, 2019 | 1,557.83 | 1.138% | 22688.39285 | 708.3581321 |
| Dec 06, 2019 | 1,540.30 | 0.261% | 5203.532862 | 886.2091439 |
| Dec 05, 2019 | 1,536.29 | -0.119% | -2371.854277 | 997.7259576 |
| Dec 04, 2019 | 1,538.12 | -1.659% | -33075.64399 | 1022.177492 |
| Dec 03, 2019 | 1,564.07 | -0.479% | -9551.687134 | 1264.24452 |
| Dec 02, 2019 | 1,571.60 | 2.279% | 45434.74534 | 1337.752331 |
| Nov 29, 2019 | 1,536.58 | -1.845% | -36777.51204 | 2022.495323 |
| Nov 28, 2019 | 1,565.46 | 0.666% | 13268.02766 | 2243.80485 |
| Nov 27, 2019 | 1,555.11 | 0.615% | 12266.21409 | 2387.766302 |
| Nov 26, 2019 | 1,545.60 | -0.083% | -1662.483758 | 2397.610457 |
| Nov 25, 2019 | 1,546.89 | 0.973% | 19402.23143 | 2411.848404 |
| Nov 22, 2019 | 1,531.98 | 0.579% | 11543.83715 | 2709.180814 |
| Nov 21, 2019 | 1,523.16 | -0.650% | -12951.2093 | 3046.124462 |
| Nov 20, 2019 | 1,533.12 | 2.511% | 50053.02493 | 3098.646706 |
| Nov 19, 2019 | 1,495.57 | 3.464% | 69053.64822 | 3213.315722 |
| Nov 18, 2019 | 1,445.50 | -0.792% | -15789.24875 | 3228.56271 |
| Nov 15, 2019 | 1,457.04 | 0.554% | 11047.68532 | 3314.255205 |
| Nov 14, 2019 | 1,449.01 | -0.649% | -12944.24229 | 3889.43204 |
| Nov 13, 2019 | 1,458.48 | 3.117% | 62143.83551 | 4217.354994 |
| Nov 11, 2019 | 1,414.39 | -1.225% | -24419.3969 | 4246.502229 |
| Nov 08, 2019 | 1,431.93 | -0.898% | -17894.90172 | 4420.488962 |
| Nov 07, 2019 | 1,444.90 | 1.651% | 32916.58295 | 4496.83178 |
| Nov 06, 2019 | 1,421.43 | -0.857% | -17075.13653 | 4764.762513 |
| Nov 05, 2019 | 1,433.71 | -0.710% | -14151.28362 | 4900.375186 |
| Nov 04, 2019 | 1,443.96 | 0.051% | 1022.177492 | 4912.742581 |
| Nov 01, 2019 | 1,443.22 | -0.509% | -10142.28526 | 4953.72191 |
| Oct 31, 2019 | 1,450.60 | -0.997% | -19878.21916 | 5010.049296 |
| Oct 30, 2019 | 1,465.21 | 0.822% | 16378.91582 | 5182.41425 |
| Oct 29, 2019 | 1,453.27 | 2.287% | 45587.9443 | 5203.532862 |
| Oct 27, 2019 | 1,420.78 | 0.213% | 4246.502229 | 5228.570742 |
| Oct 25, 2019 | 1,417.76 | -0.365% | -7285.138022 | 5242.207192 |
| | | | | |



| | | | | A positive NPV Training Center |
|--------------|----------|---------|--------------|--------------------------------|
| Oct 24, 2019 | 1,422.96 | 3.163% | 63058.57663 | 5305.391553 |
| Oct 23, 2019 | 1,379.33 | -1.538% | -30653.14198 | 5310.460047 |
| Oct 22, 2019 | 1,400.87 | -0.155% | -3097.494031 | 5345.886093 |
| Oct 18, 2019 | 1,403.05 | 1.421% | 28331.26812 | 5385.418074 |
| Oct 17, 2019 | 1,383.39 | 1.760% | 35091.61836 | 5771.686561 |
| Oct 16, 2019 | 1,359.46 | 0.601% | 11978.94386 | 5943.850572 |
| Oct 15, 2019 | 1,351.34 | 0.453% | 9024.879762 | 6006.6619 |
| Oct 14, 2019 | 1,345.25 | 0.399% | 7959.916785 | 6027.26373 |
| Oct 11, 2019 | 1,339.90 | -0.744% | -14841.4219 | 6275.653626 |
| Oct 10, 2019 | 1,349.95 | 2.868% | 57179.49417 | 6327.780717 |
| Oct 09, 2019 | 1,312.31 | 1.118% | 22288.80452 | 6443.396031 |
| Oct 07, 2019 | 1,297.80 | 0.153% | 3046.124462 | 6922.699864 |
| Oct 04, 2019 | 1,295.82 | -0.225% | -4482.164252 | 7171.886242 |
| Oct 03, 2019 | 1,298.74 | 0.471% | 9392.116582 | 7393.393551 |
| Oct 01, 2019 | 1,292.65 | -2.053% | -40921.14318 | 7723.91906 |
| Sep 30, 2019 | 1,319.74 | 1.772% | 35327.87794 | 7796.944417 |
| Sep 27, 2019 | 1,296.76 | 0.945% | 18839.57668 | 7959.916785 |
| Sep 26, 2019 | 1,284.62 | 1.347% | 26862.92661 | 8051.120053 |
| Sep 25, 2019 | 1,267.54 | 0.067% | 1337.752331 | 8551.085421 |
| Sep 24, 2019 | 1,266.69 | 3.188% | 63546.88284 | 8592.064936 |
| Sep 23, 2019 | 1,227.56 | -1.208% | -24081.68997 | 9024.879762 |
| Sep 20, 2019 | 1,242.57 | 6.386% | 127312.8774 | 9289.235855 |
| Sep 19, 2019 | 1,167.98 | -2.210% | -44064.46859 | 9335.404096 |
| Sep 18, 2019 | 1,194.38 | 0.689% | 13730.5397 | 9392.116582 |
| Sep 17, 2019 | 1,186.21 | -1.098% | -21890.52135 | 9521.497188 |
| Sep 16, 2019 | 1,199.38 | -1.212% | -24153.99229 | 10498.22313 |
| Sep 13, 2019 | 1,214.09 | 1.260% | 25123.47203 | 10670.24467 |
| Sep 12, 2019 | 1,198.98 | -1.949% | -38850.10468 | 10755.14046 |
| Sep 11, 2019 | 1,222.81 | 0.999% | 19907.17879 | 10923.20643 |
| Sep 09, 2019 | 1,210.72 | -0.025% | -493.8522898 | 10966.41883 |
| Sep 06, 2019 | 1,211.02 | 1.994% | 39741.71769 | 11003.62065 |
| Sep 05, 2019 | 1,187.35 | -0.212% | -4222.096532 | 11027.3757 |
| Sep 04, 2019 | 1,189.87 | -0.435% | -8674.353804 | 11047.68532 |
| Sep 03, 2019 | 1,195.07 | -3.376% | -67309.69333 | 11082.09596 |
| Aug 30, 2019 | 1,236.83 | 0.548% | 10923.20643 | 11470.18378 |
| Aug 29, 2019 | 1,230.09 | -1.706% | -34010.65373 | 11536.63957 |
| Aug 28, 2019 | 1,251.44 | -0.906% | -18058.89079 | 11543.83715 |
| Aug 27, 2019 | 1,262.88 | 0.636% | 12677.12885 | 11600.08108 |
| Aug 26, 2019 | 1,254.90 | -0.710% | -14148.7206 | 11725.25876 |
| Aug 23, 2019 | 1,263.87 | 2.334% | 46536.18223 | 11978.94386 |
| Aug 22, 2019 | 1,235.04 | -1.905% | -37970.26973 | 12232.96594 |
| Aug 21, 2019 | 1,259.02 | -0.392% | -7807.20468 | 12266.21409 |
| Aug 20, 2019 | 1,263.97 | -1.288% | -25673.30452 | 12303.32588 |
| | | | | |



| Aug 19, 20191,280.461.142%22769.9312812677.1285Aug 16, 20191,266.00-0.795%-1.5855.9201512795.73176Aug 13, 20191,262.789.693%193243.725613118.86336Aug 09, 20191,151.190.846%16870.0717513268.02766Aug 08, 20191,141.533.872%77185.7108413310.44264Aug 07, 20191,1771-1.316%-26226.0575113401.34007Aug 05, 20191,117.71-1.316%-26226.0575113401.34007Aug 05, 20191,173.230.347%6922.60986413730.5397Aug 01, 20191,169.171.201%23933.6436414112.55564Jul 31, 20191,169.171.201%23933.6436414112.55564Jul 32, 20191,179.38-2.482%-49473.968811518.36948Jul 20, 20191,129.44-2.482%-49473.968111518.20963Jul 22, 20191,20.40-1.438%-28662.7760415884.80113Jul 25, 20191,219.44-2.152%43658.0124816378.1582Jul 24, 20191,247.28-1.134%-22612.4773216512.23232Jul 25, 20191,261.59-0.543%-10828.3611116767.13048Jul 12, 20191,264.842.522%50287.0800216851.735Jul 12, 20191,264.84-0.683%-17198.381917716.23703Jul 12, 20191,264.84-0.082%-1633.13063218183.86918Jul 12, 20191,264.84-0.082%-1633.13063218183. | | | | | A positive NPV Training Center |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|----------|---------|--------------|--------------------------------|
| Aug 14, 2019 1,276.15 1.059% 21107.21068 13118.86336 Aug 13, 2019 1,262.78 9.633% 133243.7256 13174.43453 Aug 09, 2019 1,151.19 0.846% 16870.07175 13268.02766 Aug 08, 2019 1,141.53 3.872% 77185.71084 13310.44264 Aug 07, 2019 1,098.98 -1.676% -33406.86896 13345.58615 Aug 06, 2019 1,117.1 -1.316% -26226.05751 13401.34407 Aug 05, 2019 1,173.23 0.347% 6922.699864 13730.5397 Aug 01, 2019 1,169.17 1.201% 23933.64364 14112.55564 Jul 31, 2019 1,155.30 -2.482% -49473.96881 1516.662792 Jul 22, 2019 1,202.40 -1.438% -28662.77604 15884.80113 Jul 25, 2019 1,224.24 -1.438% -28662.77604 15884.80113 Jul 25, 2019 1,247.28 -1.134% -22612.49732 16512.2322 Jul 24, 2019 1,247.28 -1.134% -22612.49732 16512.2322 | Aug 19, 2019 | 1,280.46 | 1.142% | 22769.93128 | 12677.12885 |
| Aug 13, 20191,262.789.693%193243.725613174.43453Aug 09, 20191,151.190.846%16870.0717513268.02766Aug 08, 20191,141.533.872%77185.7108413310.44264Aug 07, 20191,098.98-1.676%-33406.8689613345.58615Aug 05, 20191,132.61-3.462%-69021.4203513643.25242Aug 02, 20191,173.230.347%6922.69986413730.5397Aug 01, 20191,169.171.201%2393.6436414112.55564Jul 31, 20191,169.171.201%2.4933.6436414112.55564Jul 30, 20191,169.88-0.255%-4675.4915171518.36948Jul 20, 20191,202.40-1.448%-24662.7760415848.80113Jul 25, 20191,224.78-1.143%-22612.4973216512.2322Jul 25, 20191,247.28-1.143%-22612.4973216512.2323Jul 22, 20191,268.482.522%50287.0800216851.2735Jul 12, 20191,268.482.522%50287.0800216851.2735Jul 19, 20191,268.48-0.963%-17198.3881917761.02064Jul 17, 20191,268.48-0.985%-1748.313063218839.57668Jul 16, 20191,264.12-0.344%-6852.19948317999.44075Jul 16, 20191,268.48-0.085%-1748.0341618839.57668Jul 10, 20191,266.44-0.085%-1944.03131718736.37218Jul 10, 20191,266.84-0.085%-1948.3130321 | Aug 16, 2019 | 1,266.00 | -0.795% | -15855.92015 | 12795.73176 |
| Aug 09, 20191,151.190.846%16870.0717513268.02766Aug 08, 20191,141.533.872%77185.7108413310.44264Aug 07, 20191,098.98-1.676%-33406.8689613345.58615Aug 06, 20191,117.71-1.316%-26226.0575113401.34407Aug 05, 20191,132.61-3.462%-69021.4203513643.25242Aug 02, 20191,175.330.347%6922.69986413730.5397Aug 01, 20191,169.171.201%2393.6436414112.55564Jul 30, 20191,159.81-2.482%-49473.9688115146.62792Jul 29, 20191,199.58-0.255%-4675.49151715312.50963Jul 26, 20191,202.40-1.438%-22662.7760415884.80113Jul 25, 20191,247.28-1.134%-22612.4973216512.2322Jul 24, 20191,247.28-1.134%-22612.4973216512.2323Jul 23, 20191,261.59-0.543%-10828.361111676.13048Jul 22, 20191,268.482.522%50287.0800216581.2735Jul 18, 20191,250.00-1.560%-13100.8934417541.02064Jul 17, 20191,269.81-0.863%-17198.3881917716.23703Jul 16, 20191,264.12-0.344%-6852.19948317999.44075Jul 15, 20191,264.84-0.082%-1633.13063218183.86918Jul 14, 20191,269.520.212%4217.35499418897.5768Jul 15, 20191,268.48-0.085%-17480.9416 <td< td=""><td>Aug 14, 2019</td><td>1,276.15</td><td>1.059%</td><td>21107.21068</td><td>13118.86336</td></td<> | Aug 14, 2019 | 1,276.15 | 1.059% | 21107.21068 | 13118.86336 |
| Aug 08, 20191,141.533.872%77185.7108413310.44264Aug 07, 20191,098.98-1.676%-33406.8689613345.58615Aug 06, 20191,117.71-1.316%-26226.0575113401.34407Aug 05, 20191,12.61-3.462%-60021.4203513643.25242Aug 01, 20191,169.171.201%23933.6436414112.55564Jul 31, 20191,169.81-2.482%-49473.9688115146.62792Jul 29, 20191,169.81-2.482%-49473.9688115164.62792Jul 29, 20191,202.40-1.438%-28662.7760415884.80113Jul 25, 20191,247.28-1.134%-22612.4973216512.2322Jul 22, 20191,261.59-0.543%-10828.3611116767.13048Jul 22, 20191,268.482.522%50287.0800216851.2735Jul 19, 20191,257.27-1.018%-20302.313216870.07175Jul 18, 20191,259.81-0.863%-17198.3881917716.23703Jul 17, 20191,269.81-0.863%-17198.381917716.23703Jul 15, 20191,264.12-0.344%2639.4138217937.39109Jul 15, 20191,264.12-0.344%2639.4138217937.39109Jul 15, 20191,264.42-0.088%-1749A.0441618839.57668Jul 10, 20191,266.44-0.088%-1749A.045418697.5117Jul 02, 20191,266.49-0.088%-1784.041618839.57668Jul 03, 20191,271.94-0.113%2243.80485 | Aug 13, 2019 | 1,262.78 | 9.693% | 193243.7256 | 13174.43453 |
| Aug 07, 20191,098.98-1.676%-33406.8689613345.58615Aug 06, 20191,117.71-1.316%-26226.0575113401.34407Aug 05, 20191,132.61-3.462%-69021.4203513643.25242Aug 02, 20191,173.230.347%6922.69986413730.5397Aug 01, 20191,169.171.201%23933.6436414112.55564Jul 31, 20191,155.30-1.240%-24727.4433515118.36948Jul 30, 20191,169.81-2.482%-49473.96681115146.62792Jul 25, 20191,202.40-1.438%-28662.7760415848.80113Jul 25, 20191,219.94-2.192%-43698.0124816378.91582Jul 25, 20191,261.59-0.543%-10828.3611116767.13048Jul 22, 20191,261.59-0.543%-10828.3611116767.13048Jul 22, 20191,268.482.522%50287.0800216851.2735Jul 19, 20191,268.48-0.863%-17198.3881917716.23703Jul 18, 20191,269.520.212%4217.3499418383.22668Jul 17, 20191,268.48-0.082%-1633.13063218183.86918Jul 12, 20191,268.48-0.082%-1633.13063218183.86918Jul 13, 20191,264.12-0.344%-6852.1994831799.44075Jul 12, 20191,268.48-0.082%-1633.13063218183.86918Jul 12, 20191,268.48-0.082%-1633.13063218183.86918Jul 12, 20191,268.44-0.082%-1633.13063 | Aug 09, 2019 | 1,151.19 | 0.846% | 16870.07175 | 13268.02766 |
| Aug 06, 20191,117.71-1.316%-26226.0575113401.34407Aug 05, 20191,132.61-3.462%-69021.4203513643.25242Aug 02, 20191,175.320.347%6922.69986413730.5397Aug 01, 20191,169.171.201%23933.6436414112.55564Jul 31, 20191,155.30-1.240%-24727.4335515118.36948Jul 30, 20191,169.81-2.482%-49473.9688115166.62792Jul 29, 20191,29.94-2.192%-43689.0124816378.91582Jul 26, 20191,224.00-1.438%-2.8662.7760415848.80113Jul 25, 20191,247.28-1.134%-2.2612.4973216512.23232Jul 24, 20191,247.28-1.134%-2.2612.4973216512.23232Jul 23, 20191,261.59-0.543%-10828.3611116767.13048Jul 22, 20191,268.482.522%50287.0800216851.2735Jul 19, 20191,250.00-1.560%-31100.8934417541.02064Jul 17, 20191,268.41-0.863%-17188.3831917716.23703Jul 16, 20191,268.42-0.082%-1633.13063217937.39109Jul 15, 20191,264.12-0.344%-6852.1994831799.44075Jul 12, 20191,268.48-0.082%-1633.13063218183.820668Jul 10, 20191,266.84-0.085%-1748.4384518497.5117Jul 09, 20191,268.082.241%44667.5813718736.37218Jul 00, 20191,266.94-0.076%15146.6279 | Aug 08, 2019 | 1,141.53 | 3.872% | 77185.71084 | 13310.44264 |
| Aug 05, 20191,132.61-3.462%-69021.4203513643.25242Aug 02, 20191,173.230.347%6922.69986413730.5397Aug 01, 20191,165.171.201%23933.6436414112.55564Jul 31, 20191,155.30-1.240%-24727.4435515116.36948Jul 20, 20191,169.81-2.482%-49473.9681115164.62792Jul 25, 20191,202.40-1.438%-28662.7760415884.80113Jul 25, 20191,219.94-2.192%-43698.0124816378.91582Jul 24, 20191,247.28-1.134%-22612.4973216512.2322Jul 23, 20191,265.95-0.543%-10828.3611116767.13048Jul 22, 20191,268.482.522%50287.0800216851.2735Jul 19, 20191,237.27-1.018%-20302.313216870.07175Jul 18, 20191,250.00-1.560%-31100.8934417541.02064Jul 17, 20191,268.48-0.083%-17198.3881917716.23703Jul 15, 20191,264.42-0.344%-6852.19948317999.44075Jul 15, 20191,266.84-0.082%-1633.13063218133.86918Jul 11, 20191,269.520.212%4217.35499418333.22668Jul 10, 20191,266.84-0.098%-1949.405418697.5117Jul 02, 20191,266.94-0.760%15146.6279219878.17689Jul 03, 20191,270.510.317%6327.78071719402.23143Jul 05, 20191,261.94-1.563%-32047.06255< | Aug 07, 2019 | 1,098.98 | -1.676% | -33406.86896 | 13345.58615 |
| Aug 02, 20191,173.230.347%6922.69986413730.5397Aug 01, 20191,169.171.201%23933.6436414112.55564Jul 31, 20191,155.30-1.240%-24727.4433515118.36948Jul 30, 20191,199.81-2.482%-49473.9688115146.62792Jul 22, 20191,199.94-2.482%-49473.9688115146.62792Jul 25, 20191,202.40-1.438%-28662.7760415884.80113Jul 25, 20191,247.28-1.134%-22612.4973216512.23232Jul 23, 20191,261.59-0.543%-10828.3611116767.13048Jul 22, 20191,268.482.522%50287.0800216851.2735Jul 19, 20191,250.00-1.560%-31100.8934417541.02064Jul 17, 20191,269.81-0.863%-17198.3881917716.23703Jul 16, 20191,264.12-0.344%-6852.19943317999.4075Jul 15, 20191,264.84-0.082%-1633.13063218183.89188Jul 12, 20191,268.082.241%44667.5813718736.37218Jul 09, 20191,266.44-0.098%-1494.40541869.5117Jul 09, 20191,266.49-0.760%15146.627921987.1787Jul 09, 20191,265.941.258%2609.33331907.17879Jul 02, 20191,266.49-0.760%15146.627921987.1789Jul 02, 20191,266.49-0.760%15146.627921987.1789Jul 02, 20191,266.49-0.760%15146.627921987.1789 | Aug 06, 2019 | 1,117.71 | -1.316% | -26226.05751 | 13401.34407 |
| Aug 01, 20191,169.171.201%23933.6436414112.55564Jul 31, 20191,155.30-1.240%-24727.4433515118.36948Jul 30, 20191,169.81-2.482%-49473.9688115146.62792Jul 29, 20191,199.58-0.235%-4675.49151715312.50963Jul 25, 20191,202.40-1.438%-28662.7760415884.80113Jul 25, 20191,247.28-1.134%-22612.4973216512.23232Jul 23, 20191,261.59-0.543%-10828.3611116767.13048Jul 22, 20191,268.482.522%50287.0800216851.2735Jul 19, 20191,27.27-1.018%-20302.313216870.07175Jul 18, 20191,269.00-1.560%-31100.8934417541.02064Jul 17, 20191,269.41-0.363%-11798.3881917716.23703Jul 16, 20191,268.48-0.082%-1633.13063218183.86918Jul 17, 20191,268.48-0.082%-1633.13063218183.86918Jul 12, 20191,268.48-0.082%-1633.13063218183.86918Jul 11, 20191,269.520.212%4217.35499418382.2668Jul 02, 20191,266.44-0.098%-1949.405418697.5117Jul 03, 20191,251.49-1.608%-32051.90318859.72426Jul 04, 20191,251.49-1.608%-32051.90318859.72426Jul 05, 20191,251.49-1.608%-32051.90318859.72426Jul 04, 20191,261.99-0.760%15146.62792 <td< td=""><td>Aug 05, 2019</td><td>1,132.61</td><td>-3.462%</td><td>-69021.42035</td><td>13643.25242</td></td<> | Aug 05, 2019 | 1,132.61 | -3.462% | -69021.42035 | 13643.25242 |
| Jul 31, 20191,155.30-1.240%-24727.4433515118.36948Jul 30, 20191,169.81-2.482%-49473.9688115146.62792Jul 29, 20191,199.58-0.235%-4675.49151715312.50963Jul 26, 20191,202.40-1.438%-28662.7760415884.80113Jul 25, 20191,219.94-2.192%-43698.0124816378.91582Jul 24, 20191,247.28-1.134%-22612.4973216512.23232Jul 23, 20191,261.59-0.543%-10828.3611116767.13048Jul 22, 20191,268.482.522%50287.0800216851.2735Jul 19, 20191,237.27-1.018%-20302.313216870.07175Jul 18, 20191,260.00-1.560%-31100.8934417541.02064Jul 16, 20191,260.81-0.863%-17198.3881917716.23703Jul 15, 20191,264.12-0.344%-6852.19948317999.44075Jul 15, 20191,264.84-0.082%-1633.13063218183.86918Jul 12, 20191,268.48-0.085%-1633.13063218183.86918Jul 11, 20191,266.84-0.098%-1949.405418697.5117Jul 09, 20191,266.84-0.098%-1949.405418697.5117Jul 08, 20191,261.49-0.685%-17440.941618839.57668Jul 04, 20191,251.49-1.608%-32051.90318859.72426Jul 05, 20191,251.49-1.608%-32051.90318859.72426Jul 03, 20191,271.940.113%2243.80485< | Aug 02, 2019 | 1,173.23 | 0.347% | 6922.699864 | 13730.5397 |
| Jul 30, 20191,169.81-2.482%-49473.9688115146.62792Jul 29, 20191,199.58-0.235%-4675.49151715312.50963Jul 26, 20191,202.40-1.438%-28662.7760415884.80113Jul 25, 20191,219.94-2.192%-43698.0124816378.91582Jul 24, 20191,247.28-1.134%-22612.4973216512.23232Jul 23, 20191,261.59-0.543%-10828.3611116767.13048Jul 22, 20191,268.482.522%50287.0800216851.2735Jul 19, 20191,250.00-1.560%-31100.8934417541.02064Jul 17, 20191,269.81-0.863%-17198.3881917716.23703Jul 16, 20191,269.81-0.863%-17198.3881917716.23703Jul 15, 20191,264.12-0.344%26399.4138217937.39109Jul 15, 20191,264.12-0.344%-6852.19948317999.44075Jul 12, 20191,266.84-0.098%-1949.405418697.5117Jul 09, 20191,266.84-0.098%-1949.405418697.5117Jul 09, 20191,266.842.241%44667.5813718736.37218Jul 08, 20191,271.940.113%2243.8048519147.81111Jul 03, 20191,275.14-1.608%-32051.90318859.72426Jul 02, 20191,266.490.760%15146.6279219878.17689Jul 02, 20191,266.490.760%15146.6279219878.17689Jul 02, 20191,266.490.760%15146.6279219 | Aug 01, 2019 | 1,169.17 | 1.201% | 23933.64364 | 14112.55564 |
| Jul 29, 20191,199.58-0.235%-4675.49151715312.50963Jul 26, 20191,202.40-1.438%-28662.7760415884.80113Jul 25, 20191,219.94-2.192%-43698.0124816378.91582Jul 24, 20191,247.28-1.134%-22612.4973216512.23232Jul 23, 20191,266.482.522%50287.0800216851.2735Jul 19, 20191,237.27-1.018%-20302.313216870.07175Jul 18, 20191,260.00-1.560%-31100.8934417541.02664Jul 17, 20191,269.81-0.863%-17198.3881917716.23703Jul 16, 20191,269.81-0.863%-17198.3881917716.23703Jul 15, 20191,264.12-0.344%-6852.19948317999.44075Jul 12, 20191,264.84-0.082%-1633.13063218183.86918Jul 12, 20191,264.84-0.082%-1633.13063218183.86918Jul 10, 20191,266.84-0.098%-1949.405418697.5117Jul 09, 20191,266.84-0.098%-1949.405418697.5117Jul 09, 20191,261.49-1.608%-32051.90318859.76426Jul 05, 20191,251.49-1.608%-32051.90318859.72426Jul 04, 20191,271.510.317%6327.78071719402.23143Jul 02, 20191,266.490.760%15146.6279219878.17689Jul 02, 20191,266.490.760%15146.6279219878.17689Jul 02, 20191,262.941.258%-2609.033404 | Jul 31, 2019 | 1,155.30 | -1.240% | -24727.44335 | 15118.36948 |
| Jul 26, 20191,202.40-1.438%-28662.7760415884.80113Jul 25, 20191,219.94-2.192%-43698.0124816378.91582Jul 24, 20191,247.28-1.134%-22612.4973216512.23232Jul 23, 20191,261.59-0.543%-10828.3611116767.13048Jul 22, 20191,268.482.522%50287.0800216851.2735Jul 19, 20191,237.27-1.018%-20302.313216870.07175Jul 18, 20191,250.00-1.560%-31100.8934417541.02064Jul 17, 20191,269.81-0.863%-17198.3881917716.23703Jul 15, 20191,264.12-0.344%-6852.19948317999.44075Jul 12, 20191,268.48-0.082%-1633.13063218183.86918Jul 12, 20191,266.84-0.098%-1949.405418697.5117Jul 09, 20191,266.84-0.098%-1949.405418697.5117Jul 09, 20191,266.84-0.085%-17840.941618839.57668Jul 08, 20191,271.94-0.133%2243.8048519147.81111Jul 03, 20191,251.49-1.608%-32051.90318859.72426Jul 04, 20191,276.541.258%25069.333319907.17879Jul 02, 20191,266.490.760%15146.6279219878.17689Jul 02, 20191,266.490.760%15146.6279219878.17689Jul 02, 20191,266.490.760%15146.6279219878.17689Jul 02, 20191,266.490.760%15146.6279219878 | Jul 30, 2019 | 1,169.81 | -2.482% | -49473.96881 | 15146.62792 |
| Jul 25, 20191,219.94-2.192%-43698.0124816378.91582Jul 24, 20191,247.28-1.134%-22612.4973216512.23232Jul 23, 20191,261.59-0.543%-10828.3611116767.13048Jul 22, 20191,268.482.522%50287.0800216851.2735Jul 19, 20191,237.27-1.018%-20302.313216870.07175Jul 18, 20191,250.00-1.560%-31100.8934417541.02064Jul 17, 20191,269.81-0.863%-17198.3881917716.23703Jul 16, 20191,264.12-0.344%26399.4138217997.39109Jul 15, 20191,264.12-0.344%-6852.19943317999.44075Jul 12, 20191,266.84-0.098%-1633.13063218183.86918Jul 10, 20191,266.84-0.098%-1949.405418897.5117Jul 09, 20191,268.082.241%44667.5813718736.37218Jul 08, 20191,271.940.113%2243.8048519147.81111Jul 03, 20191,270.510.317%6327.78071719402.23143Jul 02, 20191,266.490.760%15146.6279219878.17689Jul 02, 20191,266.490.760%15146.6279219878.17689Jul 03, 20191,270.510.317%6327.78071719402.23143Jul 02, 20191,266.490.760%15146.6279219878.17689Jun 28, 20191,261.99-1.545%-30805.168120127.59726Jun 28, 20191,282.00-0.131%-2609.333420265 | Jul 29, 2019 | 1,199.58 | -0.235% | -4675.491517 | 15312.50963 |
| Jul 24, 20191,247.28-1.134%-22612.4973216512.23232Jul 23, 20191,261.59-0.543%-10828.3611116767.13048Jul 22, 20191,268.482.522%50287.0800216851.2735Jul 19, 20191,237.27-1.018%-20302.313216870.07175Jul 18, 20191,250.00-1.560%-31100.8934417541.02064Jul 17, 20191,269.81-0.863%-17198.3881917716.23703Jul 16, 20191,268.081.324%26399.4138217997.9914075Jul 15, 20191,264.12-0.344%-6852.19048317999.44075Jul 12, 20191,266.84-0.082%-1633.13063218183.6918Jul 12, 20191,266.84-0.098%-11949.405418837.22668Jul 10, 20191,266.84-0.098%-17840.941618897.5117Jul 09, 20191,266.842.241%44667.5813718736.37218Jul 08, 20191,271.940.113%2243.8048519147.81111Jul 03, 20191,270.510.317%6327.78071719402.23143Jul 02, 20191,266.490.760%15146.6279219878.17689Jul 02, 20191,261.99-1.545%-30805.168120127.59726Jun 28, 20191,262.19-1.545%-30805.168120127.59726Jun 28, 20191,282.00-0.131%-2609.03340420265.48669Jun 26, 20191,282.00-0.131%-2609.03340420265.48669Jun 26, 20191,282.682.644%52813.81112 | Jul 26, 2019 | 1,202.40 | -1.438% | -28662.77604 | 15884.80113 |
| Jul 23, 20191,261.590.543%10828.3611116767.13048Jul 22, 20191,268.482.522%50287.0800216851.2735Jul 19, 20191,237.27-1.018%-20302.313216870.07175Jul 18, 20191,250.00-1.560%-31100.8934417541.02064Jul 17, 20191,269.81-0.863%-17198.381917716.23703Jul 16, 20191,268.061.324%26399.4138217937.39109Jul 15, 20191,264.12-0.344%-6852.19948317999.44075Jul 12, 20191,268.48-0.082%-1633.13063218183.86918Jul 12, 20191,269.520.212%4217.35499418383.22668Jul 10, 20191,266.84-0.098%-1949.405418697.5117Jul 08, 20191,264.02-0.895%-17840.941618839.57668Jul 08, 20191,240.29-0.895%-17840.941618839.57668Jul 05, 20191,251.49-1.608%-32051.90318859.72426Jul 04, 20191,270.510.317%6327.78071719402.23143Jul 02, 20191,266.940.760%15146.6279219878.17689Jul 02, 20191,266.940.760%15146.6279219878.17689Jul 02, 20191,266.940.760%15146.6279219878.17689Jul 03, 20191,265.941.258%-30805.168120127.59726Jun 28, 20191,266.940.760%15146.6279219878.17689Jul 02, 20191,266.940.7131%-2609.03340420265 | Jul 25, 2019 | 1,219.94 | -2.192% | -43698.01248 | 16378.91582 |
| Jul 22, 20191,268.482.522%50287.0800216851.2735Jul 19, 20191,237.27-1.018%-20302.313216870.07175Jul 18, 20191,250.00-1.560%-31100.8934417541.02064Jul 17, 20191,269.81-0.863%-17198.3881917716.23703Jul 16, 20191,280.861.324%26399.4138217937.39109Jul 15, 20191,264.12-0.344%-6852.19948317999.44075Jul 12, 20191,268.48-0.082%-1633.13063218183.86918Jul 12, 20191,268.48-0.098%-1949.405418697.5117Jul 09, 20191,268.082.241%44667.5813718736.37218Jul 09, 20191,268.082.241%44667.5813718839.57668Jul 08, 20191,271.94-1.608%-32051.90318859.72426Jul 04, 20191,270.510.317%6327.78017719402.23143Jul 03, 20191,266.490.760%15146.6279219878.17689Jul 02, 20191,266.490.760%15146.279219878.17689Jul 02, 20191,265.941.258%-32947.0626519930.27943Jun 28, 20191,241.33-1.653%-32947.0626519930.27943Jun 27, 20191,262.19-1.545%-30805.168120127.59726Jun 26, 20191,28.082.649%52813.8111220900.05977Jun 27, 20191,262.49-1.330%-26643.7896921107.21068Jun 24, 20191,267.49-1.330%-2666.7952721171.9 | Jul 24, 2019 | 1,247.28 | -1.134% | -22612.49732 | 16512.23232 |
| Jul 19, 20191,237.27-1.018%-20302.313216870.07175Jul 18, 20191,250.00-1.560%-31100.8934417541.02064Jul 17, 20191,269.81-0.863%-17198.3881917716.23703Jul 16, 20191,280.861.324%26399.4138217937.39109Jul 15, 20191,264.12-0.344%-6852.19948317999.44075Jul 12, 20191,268.48-0.082%-1633.13063218183.86918Jul 12, 20191,266.84-0.098%-1949.405418697.5117Jul 09, 20191,266.84-0.098%-1949.405418697.5117Jul 09, 20191,266.84-0.098%-1949.405418697.5117Jul 09, 20191,261.49-0.895%-17840.941618839.57668Jul 08, 20191,271.940.113%2243.8048519147.81111Jul 03, 20191,270.510.317%6327.78071719402.23143Jul 02, 20191,266.490.760%15146.6279219878.17689Jul 02, 20191,266.490.760%15146.6279219878.17689Jul 02, 20191,265.941.258%-30805.168120127.59726Jun 28, 20191,282.00-0.131%-2609.03340420265.48669Jun 26, 20191,283.682.649%52813.8111220900.05977Jun 25, 20191,285.55-1.336%-26643.7896921107.21068Jun 24, 20191,267.49-1.330%-26506.7952721171.9051Jun 20, 20191,263.66-0.284%5671.304682288.804 | Jul 23, 2019 | 1,261.59 | -0.543% | -10828.36111 | 16767.13048 |
| Jul 18, 20191,250.00-1.560%-31100.8934417541.02064Jul 17, 20191,269.81-0.863%-17198.3881917716.23703Jul 16, 20191,280.861.324%26399.4138217937.39109Jul 15, 20191,264.12-0.344%-6852.19948317999.44075Jul 12, 20191,268.48-0.082%-1633.13063218183.86918Jul 12, 20191,266.84-0.098%-1949.405418697.5117Jul 09, 20191,266.84-0.098%-1949.405418697.5117Jul 09, 20191,266.84-0.098%-1949.405418839.57668Jul 05, 20191,240.29-0.895%-17840.941618839.57668Jul 05, 20191,251.49-1.608%-32051.90318859.72426Jul 04, 20191,270.510.317%6327.78071719402.23143Jul 02, 20191,266.490.760%15146.6279219878.17689Jul 02, 20191,261.94-1.653%-32947.0626519930.27943Jun 28, 20191,282.00-0.131%-2609.03340420265.48669Jun 27, 20191,282.00-0.131%-2609.03340420265.48669Jun 26, 20191,283.682.649%52813.8111220900.05977Jun 24, 20191,267.49-1.330%-26506.7952721171.92051Jun 24, 20191,267.49-1.330%-26506.7952721171.92051Jun 20, 20191,284.571.518%30264.9803222288.80452Jun 19, 20191,265.36-0.284%-5671.304682 | Jul 22, 2019 | 1,268.48 | 2.522% | 50287.08002 | 16851.2735 |
| Jul 17, 20191,269.81-0.863%-17198.3881917716.23703Jul 16, 20191,280.861.324%26399.4138217937.39109Jul 15, 20191,264.12-0.344%-6852.19948317999.44075Jul 12, 20191,268.48-0.082%-1633.13063218183.86918Jul 11, 20191,269.520.212%4217.35499418383.22668Jul 10, 20191,266.84-0.098%-1949.405418697.5117Jul 09, 20191,268.082.241%44667.5813718736.37218Jul 08, 20191,240.29-0.895%-17840.941618839.57668Jul 05, 20191,251.49-1.608%-32051.90318859.72426Jul 04, 20191,271.940.113%2243.8048519147.81111Jul 03, 20191,266.490.760%15146.6279219878.17689Jul 01, 20191,261.991.258%25069.333319907.17879Jul 02, 20191,262.19-1.545%-30805.168120127.59726Jun 28, 20191,28.00-0.131%-2609.03340420265.48669Jun 25, 20191,28.082.649%52813.8111220900.05977Jun 24, 20191,250.55-1.336%-26643.7896921107.21068Jun 21, 20191,267.49-1.330%-26506.7952721171.92051Jun 20, 20191,284.571.518%30264.9803222288.80452Jun 19, 20191,265.36-0.284%-5671.3046822688.39285 | Jul 19, 2019 | 1,237.27 | -1.018% | -20302.3132 | 16870.07175 |
| Jul 16, 20191,280.861.324%26399.4138217937.39109Jul 15, 20191,264.12-0.344%-6852.19948317999.44075Jul 12, 20191,268.48-0.082%-1633.13063218183.86918Jul 11, 20191,269.520.212%4217.35499418383.22668Jul 0, 20191,266.84-0.098%-1949.405418697.5117Jul 09, 20191,268.082.241%44667.5813718736.37218Jul 08, 20191,240.29-0.895%-17840.941618839.57668Jul 05, 20191,251.49-1.608%-32051.90318859.72426Jul 04, 20191,270.510.317%6327.78071719402.23143Jul 02, 20191,266.490.760%15146.6279219878.17689Jul 02, 20191,260.941.258%25069.333319907.17879Jun 28, 20191,262.19-1.545%-30805.168120127.59726Jun 27, 20191,282.00-0.131%-2609.03340420265.48669Jun 25, 20191,283.682.649%52813.8111220900.05977Jun 25, 20191,283.682.649%52813.8111220900.05977Jun 24, 20191,267.49-1.330%-26506.7952721171.92051Jun 20, 20191,263.65-1.336%-26643.7896921107.21068Jun 20, 20191,263.66-0.284%-5671.3046822688.39285 | Jul 18, 2019 | 1,250.00 | -1.560% | -31100.89344 | 17541.02064 |
| Jul 15, 20191,264.12-0.344%-6852.19948317999.44075Jul 12, 20191,268.48-0.082%-1633.13063218183.86918Jul 11, 20191,269.520.212%4217.35499418383.22668Jul 10, 20191,266.84-0.098%-1949.405418697.5117Jul 09, 20191,268.082.241%44667.5813718736.37218Jul 08, 20191,240.29-0.895%-17840.941618839.57668Jul 05, 20191,251.49-1.608%-32051.90318859.72426Jul 04, 20191,271.940.113%2243.8048519147.81111Jul 03, 20191,266.490.760%15146.6279219878.17689Jul 02, 20191,266.490.760%15146.6279219878.17689Jul 02, 20191,266.490.760%15146.6279219878.17689Jul 02, 20191,266.490.760%15146.6279219878.17689Jul 02, 20191,265.941.258%25069.333319907.17879Jun 28, 20191,282.00-0.131%-30805.168120127.59726Jun 26, 20191,282.00-0.131%-2609.03340420265.48669Jun 26, 20191,283.682.649%52813.8111220900.05977Jun 24, 20191,250.55-1.336%-26643.7896921107.21068Jun 21, 20191,267.49-1.330%-26506.7952721171.92051Jun 20, 20191,284.571.518%30264.9803222288.80452Jun 19, 20191,265.36-0.284%-5671.3046822688.392 | Jul 17, 2019 | 1,269.81 | -0.863% | -17198.38819 | 17716.23703 |
| Jul 12, 20191,268.48-0.082%-1633.13063218183.86918Jul 11, 20191,269.520.212%4217.35499418383.22668Jul 10, 20191,266.84-0.098%-1949.405418697.5117Jul 09, 20191,268.082.241%44667.5813718736.37218Jul 08, 20191,240.29-0.895%-17840.941618839.57668Jul 05, 20191,251.49-1.608%-32051.90318859.72426Jul 04, 20191,271.940.113%2243.8048519147.81111Jul 03, 20191,270.510.317%6327.78071719402.23143Jul 02, 20191,266.490.760%15146.6279219878.17689Jul 01, 20191,256.941.258%25069.333319907.17879Jun 28, 20191,262.19-1.545%-30805.168120127.59726Jun 26, 20191,282.00-0.131%-2609.03340420265.48669Jun 25, 20191,283.682.649%52813.8111220900.05977Jun 24, 20191,250.55-1.336%-26643.7896921107.21068Jun 21, 20191,267.49-1.330%-26506.7952721171.92051Jun 20, 20191,284.571.518%30264.9803222288.80452Jun 19, 20191,265.36-0.284%-5671.3046822688.39285 | Jul 16, 2019 | 1,280.86 | 1.324% | 26399.41382 | 17937.39109 |
| Jul 11, 20191,269.520.212%4217.35499418383.22668Jul 10, 20191,266.84-0.098%-1949.405418697.5117Jul 09, 20191,268.082.241%44667.5813718736.37218Jul 08, 20191,240.29-0.895%-17840.941618839.57668Jul 05, 20191,251.49-1.608%-32051.90318859.72426Jul 04, 20191,271.940.113%2243.8048519147.81111Jul 03, 20191,270.510.317%6327.78071719402.23143Jul 02, 20191,266.490.760%15146.6279219878.17689Jul 01, 20191,256.941.258%25069.333319907.17879Jun 28, 20191,262.19-1.545%-30805.168120127.59726Jun 27, 20191,262.19-1.545%-30805.168120127.59726Jun 26, 20191,28.00-0.131%-2609.03340420265.48669Jun 25, 20191,28.682.649%52813.8111220900.05977Jun 24, 20191,267.49-1.330%-26506.7952721171.92051Jun 21, 20191,267.49-1.330%-26506.7952721171.92051Jun 20, 20191,284.571.518%30264.9803222288.80452Jun 19, 20191,265.36-0.284%-5671.3046822688.39285 | Jul 15, 2019 | 1,264.12 | -0.344% | -6852.199483 | 17999.44075 |
| Jul 10, 20191,266.84-0.098%-1949.405418697.5117Jul 09, 20191,268.082.241%44667.5813718736.37218Jul 08, 20191,240.29-0.895%-17840.941618839.57668Jul 05, 20191,251.49-1.608%-32051.90318859.72426Jul 04, 20191,271.940.113%2243.8048519147.81111Jul 03, 20191,270.510.317%6327.78071719402.23143Jul 02, 20191,266.490.760%15146.6279219878.17689Jul 01, 20191,266.941.258%25069.333319907.17879Jun 28, 20191,262.19-1.545%-30805.168120127.59726Jun 27, 20191,282.00-0.131%-2609.03340420265.48669Jun 25, 20191,283.682.649%52813.8111220900.05977Jun 24, 20191,267.49-1.330%-26643.7896921107.21068Jun 21, 20191,284.571.518%30264.9803222288.80452Jun 19, 20191,265.36-0.284%-5671.3046822688.39285 | Jul 12, 2019 | 1,268.48 | -0.082% | -1633.130632 | 18183.86918 |
| Jul 09, 20191,268.082.241%44667.5813718736.37218Jul 08, 20191,240.29-0.895%-17840.941618839.57668Jul 05, 20191,251.49-1.608%-32051.90318859.72426Jul 04, 20191,271.940.113%2243.8048519147.81111Jul 03, 20191,270.510.317%6327.78071719402.23143Jul 02, 20191,266.490.760%15146.6279219878.17689Jul 01, 20191,266.941.258%25069.333319907.17879Jun 28, 20191,262.19-1.545%-30805.168120127.59726Jun 27, 20191,282.00-0.131%-2609.03340420265.48669Jun 25, 20191,283.682.649%52813.8111220900.05977Jun 24, 20191,250.55-1.336%-26643.7896921107.21068Jun 20, 20191,284.571.518%30264.9803222288.80452Jun 19, 20191,265.36-0.284%-5671.3046822688.39285 | Jul 11, 2019 | 1,269.52 | 0.212% | 4217.354994 | 18383.22668 |
| Jul 08, 20191,240.29-0.895%-17840.941618839.57668Jul 05, 20191,251.49-1.608%-32051.90318859.72426Jul 04, 20191,271.940.113%2243.8048519147.81111Jul 03, 20191,270.510.317%6327.78071719402.23143Jul 02, 20191,266.490.760%15146.6279219878.17689Jul 01, 20191,256.941.258%25069.333319907.17879Jun 28, 20191,262.19-1.653%-32947.0626519930.27943Jun 27, 20191,262.19-1.545%-30805.168120127.59726Jun 26, 20191,282.00-0.131%-2609.03340420265.48669Jun 25, 20191,283.682.649%52813.8111220900.05977Jun 24, 20191,267.49-1.330%-26506.7952721171.92051Jun 20, 20191,284.571.518%30264.9803222288.80452Jun 19, 20191,265.36-0.284%-5671.3046822688.39285 | Jul 10, 2019 | 1,266.84 | -0.098% | -1949.4054 | 18697.5117 |
| Jul 05, 20191,251.49-1.608%-32051.90318859.72426Jul 04, 20191,271.940.113%2243.8048519147.81111Jul 03, 20191,270.510.317%6327.78071719402.23143Jul 02, 20191,266.490.760%15146.6279219878.17689Jul 01, 20191,256.941.258%25069.333319907.17879Jun 28, 20191,262.19-1.653%-32947.0626519930.27943Jun 27, 20191,262.19-1.545%-30805.168120127.59726Jun 26, 20191,282.00-0.131%-2609.03340420265.48669Jun 25, 20191,283.682.649%52813.8111220900.05977Jun 24, 20191,267.49-1.330%-26506.7952721107.21068Jun 20, 20191,284.571.518%30264.9803222288.80452Jun 19, 20191,265.36-0.284%-5671.3046822688.39285 | Jul 09, 2019 | 1,268.08 | 2.241% | 44667.58137 | 18736.37218 |
| Jul 04, 20191,271.940.113%2243.8048519147.81111Jul 03, 20191,270.510.317%6327.78071719402.23143Jul 02, 20191,266.490.760%15146.6279219878.17689Jul 01, 20191,256.941.258%25069.333319907.17879Jun 28, 20191,241.33-1.653%-32947.0626519930.27943Jun 27, 20191,262.19-1.545%-30805.168120127.59726Jun 26, 20191,282.00-0.131%-2609.03340420265.48669Jun 25, 20191,283.682.649%52813.8111220900.05977Jun 24, 20191,250.55-1.336%-26643.7896921107.21068Jun 21, 20191,267.49-1.518%30264.9803222288.80452Jun 19, 20191,265.36-0.284%-5671.3046822688.39285 | Jul 08, 2019 | 1,240.29 | -0.895% | -17840.9416 | 18839.57668 |
| Jul 03, 20191,270.510.317%6327.78071719402.23143Jul 02, 20191,266.490.760%15146.6279219878.17689Jul 01, 20191,256.941.258%25069.333319907.17879Jun 28, 20191,241.33-1.653%-32947.0626519930.27943Jun 27, 20191,262.19-1.545%-30805.168120127.59726Jun 26, 20191,282.00-0.131%-2609.03340420265.48669Jun 25, 20191,283.682.649%52813.8111220900.05977Jun 24, 20191,250.55-1.336%-26643.7896921107.21068Jun 21, 20191,267.49-1.330%-26506.7952721171.92051Jun 20, 20191,284.571.518%30264.9803222288.80452Jun 19, 20191,265.36-0.284%-5671.3046822668.39285 | Jul 05, 2019 | 1,251.49 | -1.608% | -32051.903 | 18859.72426 |
| Jul 02, 20191,266.490.760%15146.6279219878.17689Jul 01, 20191,256.941.258%25069.333319907.17879Jun 28, 20191,241.33-1.653%-32947.0626519930.27943Jun 27, 20191,262.19-1.545%-30805.168120127.59726Jun 26, 20191,282.00-0.131%-2609.03340420265.48669Jun 25, 20191,283.682.649%52813.8111220900.05977Jun 24, 20191,250.55-1.336%-26643.7896921107.21068Jun 21, 20191,267.49-1.330%-26506.7952721171.92051Jun 20, 20191,284.571.518%30264.9803222288.80452Jun 19, 20191,265.36-0.284%-5671.3046822688.39285 | Jul 04, 2019 | 1,271.94 | 0.113% | 2243.80485 | 19147.81111 |
| Jul 01, 20191,256.941.258%25069.333319907.17879Jun 28, 20191,241.33-1.653%-32947.0626519930.27943Jun 27, 20191,262.19-1.545%-30805.168120127.59726Jun 26, 20191,282.00-0.131%-2609.03340420265.48669Jun 25, 20191,283.682.649%52813.8111220900.05977Jun 24, 20191,250.55-1.336%-26643.7896921107.21068Jun 21, 20191,267.49-1.330%-26506.7952721171.92051Jun 20, 20191,284.571.518%30264.9803222288.80452Jun 19, 20191,265.36-0.284%-5671.3046822688.39285 | Jul 03, 2019 | 1,270.51 | 0.317% | 6327.780717 | 19402.23143 |
| Jun 28, 20191,241.33-1.653%-32947.0626519930.27943Jun 27, 20191,262.19-1.545%-30805.168120127.59726Jun 26, 20191,282.00-0.131%-2609.03340420265.48669Jun 25, 20191,283.682.649%52813.8111220900.05977Jun 24, 20191,250.55-1.336%-26643.7896921107.21068Jun 21, 20191,267.49-1.330%-26506.7952721171.92051Jun 20, 20191,284.571.518%30264.9803222288.80452Jun 19, 20191,265.36-0.284%-5671.3046822688.39285 | Jul 02, 2019 | 1,266.49 | 0.760% | 15146.62792 | 19878.17689 |
| Jun 27, 20191,262.19-1.545%-30805.168120127.59726Jun 26, 20191,282.00-0.131%-2609.03340420265.48669Jun 25, 20191,283.682.649%52813.8111220900.05977Jun 24, 20191,250.55-1.336%-26643.7896921107.21068Jun 21, 20191,267.49-1.330%-26506.7952721171.92051Jun 20, 20191,284.571.518%30264.9803222288.80452Jun 19, 20191,265.36-0.284%-5671.3046822688.39285 | Jul 01, 2019 | 1,256.94 | 1.258% | 25069.3333 | 19907.17879 |
| Jun 26, 20191,282.00-0.131%-2609.03340420265.48669Jun 25, 20191,283.682.649%52813.8111220900.05977Jun 24, 20191,250.55-1.336%-26643.7896921107.21068Jun 21, 20191,267.49-1.330%-26506.7952721171.92051Jun 20, 20191,284.571.518%30264.9803222288.80452Jun 19, 20191,265.36-0.284%-5671.3046822688.39285 | Jun 28, 2019 | 1,241.33 | -1.653% | -32947.06265 | 19930.27943 |
| Jun 25, 20191,283.682.649%52813.8111220900.05977Jun 24, 20191,250.55-1.336%-26643.7896921107.21068Jun 21, 20191,267.49-1.330%-26506.7952721171.92051Jun 20, 20191,284.571.518%30264.9803222288.80452Jun 19, 20191,265.36-0.284%-5671.3046822688.39285 | Jun 27, 2019 | 1,262.19 | -1.545% | -30805.1681 | 20127.59726 |
| Jun 24, 20191,250.55-1.336%-26643.7896921107.21068Jun 21, 20191,267.49-1.330%-26506.7952721171.92051Jun 20, 20191,284.571.518%30264.9803222288.80452Jun 19, 20191,265.36-0.284%-5671.3046822688.39285 | Jun 26, 2019 | 1,282.00 | -0.131% | -2609.033404 | 20265.48669 |
| Jun 21, 20191,267.49-1.330%-26506.7952721171.92051Jun 20, 20191,284.571.518%30264.9803222288.80452Jun 19, 20191,265.36-0.284%-5671.3046822688.39285 | Jun 25, 2019 | 1,283.68 | 2.649% | 52813.81112 | 20900.05977 |
| Jun 20, 20191,284.571.518%30264.9803222288.80452Jun 19, 20191,265.36-0.284%-5671.3046822688.39285 | Jun 24, 2019 | 1,250.55 | -1.336% | -26643.78969 | 21107.21068 |
| Jun 19, 2019 1,265.36 -0.284% -5671.30468 22688.39285 | Jun 21, 2019 | 1,267.49 | -1.330% | -26506.79527 | 21171.92051 |
| | Jun 20, 2019 | 1,284.57 | 1.518% | 30264.98032 | 22288.80452 |
| Jun 18, 2019 1,268.97 -0.102% -2024.530017 22769.93128 | Jun 19, 2019 | 1,265.36 | -0.284% | -5671.30468 | 22688.39285 |
| | Jun 18, 2019 | 1,268.97 | -0.102% | -2024.530017 | 22769.93128 |



| Jun 17, 2019 1,270.26 -2.675% -53337.29141 22000.75252 Jun 14, 2019 1,315.18 -0.731% -1.4571.16003 23403.7931.1 Jun 12, 2019 1,314.79 -0.368% -7326.784199 23524.93148 Jun 12, 2019 1,316.67 0.758% 15118.36948 23893.9655 Jun 10, 2019 1,306.76 0.323% 6443.396031 23933.64364 Jun 07, 2019 1,314.89 -1.798% -35837.32785 25069.3333 Jun 06, 2019 1,314.43 -0.629% -12531.5367 25123.47203 Jun 03, 2019 1,317.46 0.030% 605.3626467 25906.03046 May 31, 2019 1,317.26 1.272% 25350.04997 25328.01779 May 24, 2019 1,30.72 -0.808% -16114.77748 25929.16623 May 22, 2019 1,321.37 -0.485% -9668.899188 27403.98283 May 24, 2019 1,321.37 -0.485% -9068.899188 27403.98283 May 24, 2019 1,327.32 1.048% 20900.05977 2750.86666 | | | | | A positive NPV Training Center |
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| Jun 13, 2019 1,314.79 -0.368% -7326.784199 23524.93148 Jun 12, 2019 1,316.64 0.226% 4496.83178 23816.84703 Jun 11, 2019 1,316.67 0.758% 15118.36948 23828.99655 Jun 10, 2019 1,306.76 0.323% 6443.396031 23933.64364 Jun 07, 2019 1,307.55 -0.938% -18709.09886 24075.92123 Jun 06, 2019 1,314.89 -1.798% -35837.32785 25069.333 Jun 03, 2019 1,347.43 2.259% 45040.43797 25328.01779 May 31, 2019 1,317.26 1.272% 25350.04997 25928.01779 May 28, 2019 1,310.72 -0.808% -16114.77748 25991.6023 May 28, 2019 1,321.30 0.222% 4420.48862 26862.92661 May 24, 2019 1,327.81 0.044% 886.2091439 27403.8283 May 22, 2019 1,327.81 0.044% 886.2091439 27403.82831 May 21, 2019 1,327.81 0.044% 886.2091439 27403.82831 | Jun 17, 2019 | 1,270.26 | -2.675% | -53337.29141 | 23050.75252 |
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| Jun 06, 20191,314.89-1.798%-35837.3278525069.3333Jun 04, 20191,338.96-0.629%-12531.536725123.47203Jun 03, 20191,347.432.259%4504.04379725350.04997May 31, 20191,317.660.030%605.362646725906.03046May 30, 20191,317.261.272%25350.0499725928.01779May 29, 20191,300.72-0.808%-16114.7774825929.16623May 28, 20191,311.321.000%19930.2794326101.0949May 27, 20191,283.300.222%4420.48896226662.92661May 24, 20191,321.37-0.485%-9668.89991827145.87794May 22, 20191,327.221.048%20900.0597727560.86646May 20, 20191,327.221.048%20900.0597727560.86646May 20, 20191,255.500.162%3228.56271228872.83417May 17, 20191,255.500.162%3228.56271228872.83417May 16, 20191,254.10-0.281%-5604.12018229635.4168May 16, 20191,248.612.305%45947.956132919.46741May 13, 20191,224.86-3.309%-65974.154230088.18827May 09, 20191,244.65-3.309%-65974.154230658.87603May 09, 20191,244.65-3.309%-55074.154230658.8763May 09, 20191,381.86-0.422%-5403.46308230264.98032May 09, 20191,391.860.480%17541.0206432241.8087 | Jun 10, 2019 | 1,306.76 | 0.323% | 6443.396031 | 23933.64364 |
| Jun 04, 20191,338.96-0.629%-12531.536725123.47203Jun 03, 20191,347.432.259%45040.4379725350.04997May 31, 20191,317.660.030%605.362646725906.03046May 30, 20191,317.261.272%25350.0499725928.01779May 29, 20191,300.72-0.808%-16114.7774825929.16623May 28, 20191,311.321.000%19930.2794326101.0949May 24, 20191,324.300.222%4420.48896226862.92661May 23, 20191,327.810.044%886.209143927403.98283May 24, 20191,327.810.044%886.209143927403.98283May 20, 20191,313.454.616%92016.1071328331.26812May 17, 20191,255.500.162%3228.5627128872.83417May 16, 20191,255.500.162%3228.5627128872.83417May 15, 20191,245.10-0.281%-5604.1201822963.4168May 14, 20191,248.612.305%45947.951329919.46741May 13, 20191,220.48-1.527%-30432.4398930098.18827May 0, 20191,239.40-0.422%-8408.9009230264.98032May 0, 20191,239.40-0.422%-8408.9009230264.98032May 0, 20191,239.40-0.422%-8408.9009230264.98032May 0, 20191,239.40-0.422%-8408.9009230264.98032May 0, 20191,370.72-3.078%-65374.154230665.87603 </td <td>Jun 07, 2019</td> <td>1,302.55</td> <td>-0.938%</td> <td>-18709.09886</td> <td>24075.92123</td> | Jun 07, 2019 | 1,302.55 | -0.938% | -18709.09886 | 24075.92123 |
| Jun 03, 20191,347,432.259%45040.4379725350.04997May 31, 20191,317.660.030%605.362646725906.03046May 30, 20191,317.261.272%25350.0499725928.01779May 29, 20191,300.72-0.808%-16114.7774825929.16623May 28, 20191,311.321.000%19930.2794326101.0949May 24, 20191,324.300.222%4420.48896226862.92661May 23, 20191,327.31-0.485%-9668.89991827145.87794May 22, 20191,327.211.048%20900.0597727560.86646May 20, 20191,313.454.616%92016.107132831.26812May 10, 20191,313.454.616%92016.107132831.26812May 17, 20191,255.500.162%3228.5627128872.83417May 16, 20191,254.710.672%13401.3440729104.94299May 14, 20191,248.612.305%45947.9561329919.46741May 13, 20191,220.48-1.527%-30432.4389830098.18827May 0, 20191,234.00-0.422%-8408.9009230264.98032May 0, 20191,244.65-3.309%-65974.154230665.87603May 02, 20191,371.90-1.700%-3382.4364831555.86366May 07, 20191,379.720.000%03239.86436May 06, 20191,379.720.427%5385.41807431119.18703May 02, 20191,379.720.428%2743.9653.416832555.97166 <tr< td=""><td>Jun 06, 2019</td><td>1,314.89</td><td>-1.798%</td><td>-35837.32785</td><td>25069.3333</td></tr<> | Jun 06, 2019 | 1,314.89 | -1.798% | -35837.32785 | 25069.3333 |
| May 31, 20191,317.660.030%605.362646725906.03046May 30, 20191,317.261.272%25350.0499725928.01779May 29, 20191,300.72-0.808%-16114.7774825929.16623May 28, 20191,311.321.000%19930.2794326101.0949May 24, 20191,298.34-1.960%-39079.1799426399.41382May 24, 20191,321.37-0.485%-9668.8991827145.87794May 22, 20191,327.810.044%886.209143927403.98283May 21, 20191,327.221.048%20900.0597727560.86646May 20, 20191,314.54.616%92016.1071328331.26812May 17, 20191,255.500.162%3228.5627128872.83417May 15, 20191,245.10-0.281%-5604.12018229635.4168May 14, 20191,248.612.305%45947.956132919.46741May 13, 20191,220.48-1.527%-30432.4398930098.18827May 02, 20191,330.88-2.900%-55974.154230665.87603May 03, 20191,287.25-3.278%-65354.1915930883.5815May 04, 20191,371.90-1.700%-3382.4364831555.86366May 03, 20191,395.620.270%5385.41807431719.18703May 04, 20191,391.860.880%17541.0206432241.80873Apr 25, 20191,395.51-1.231%24534.6630832812.10089Apr 26, 20191,37.971.487%29635.41683255.97166 <td>Jun 04, 2019</td> <td>1,338.96</td> <td>-0.629%</td> <td>-12531.5367</td> <td>25123.47203</td> | Jun 04, 2019 | 1,338.96 | -0.629% | -12531.5367 | 25123.47203 |
| May 30, 20191,317.261.272%25350.0499725928.01779May 29, 20191,300.72-0.808%-16114.7774825929.16623May 28, 20191,311.321.000%19930.2794326101.0949May 27, 20191,283.4-1.960%-39079.1799426399.41382May 24, 20191,324.300.222%4420.48896226862.92661May 23, 20191,321.37-0.485%-9668.8991827145.87794May 22, 20191,327.810.044%886.209143927403.98283May 21, 20191,327.221.048%20900.0597727560.86646May 20, 20191,313.454.616%92016.1071328371.26812May 17, 20191,255.00.162%3228.5627128872.83417May 15, 20191,245.10-0.281%-5604.12018229635.4168May 15, 20191,248.612.305%45947.9561329919.46741May 13, 20191,220.48-1.527%-30432.4398930098.18827May 00, 20191,239.40-0.422%-8408.90009230264.98032May 01, 20191,239.40-0.422%-65354.1915930883.5815May 07, 20191,330.88-2.990%-59607.4210931199.64922May 08, 20191,371.90-1.700%-33882.4364831555.86366May 07, 20191,331.460.880%17541.0206432241.80873Apr 30, 20191,379.720.000%032309.86436Apr 30, 20191,379.721.487%29635.416832555.97166 <td>Jun 03, 2019</td> <td>1,347.43</td> <td>2.259%</td> <td>45040.43797</td> <td>25350.04997</td> | Jun 03, 2019 | 1,347.43 | 2.259% | 45040.43797 | 25350.04997 |
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| May 28, 20191,311.321.000%19930.2794326101.0949May 27, 20191,298.34-1.960%-39079.1799426399.41382May 24, 20191,324.300.222%4420.48896226862.92661May 23, 20191,321.37-0.485%-9668.89991827145.87794May 22, 20191,327.211.044%886.20143927403.98283May 21, 20191,327.221.048%20900.0597727560.86646May 20, 20191,31.454.616%92016.1071328331.26812May 17, 20191,255.500.162%3228.5627128872.83417May 16, 20191,253.470.672%13401.3440729104.94299May 15, 20191,245.10-0.281%-5604.12018229635.4168May 13, 20191,220.48-1.527%-30432.4398930098.18827May 00, 20191,239.40-0.422%-8408.90009230264.98032May 09, 20191,287.25-3.278%-65354.1915930883.5815May 08, 20191,287.25-3.278%-65354.1915930883.5815May 08, 20191,371.90-1.700%-3382.4364831555.86366May 08, 20191,379.720.000%03230.86436May 03, 20191,379.720.000%03230.86436Apr 26, 20191,379.721.487%29635.41683255.97166Apr 26, 20191,379.721.487%29635.41683255.97166Apr 25, 20191,351.041.375%27403.9828332916.58295Apr 26, | May 30, 2019 | 1,317.26 | 1.272% | 25350.04997 | 25928.01779 |
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| May 24, 20191,324.300.222%4420.48896226862.92661May 23, 20191,321.37-0.485%-9668.89991827145.87794May 22, 20191,327.810.044%886.209143927403.98283May 21, 20191,327.221.048%20900.0597727560.86646May 20, 20191,313.454.616%92016.1071328331.26812May 17, 20191,255.500.162%3228.5627128872.83417May 16, 20191,245.10-0.281%-5604.12018229635.4168May 14, 20191,248.612.305%45947.9561329919.46741May 13, 20191,220.48-1.527%-30432.4398930098.18827May 10, 20191,239.40-0.422%-8408.9009230264.98032May 09, 20191,244.65-3.309%-65974.154230665.87603May 09, 20191,287.25-3.278%-65354.191593083.5815May 07, 20191,330.88-2.990%-59607.421093119.64922May 06, 20191,371.90-1.700%-33882.4364831555.86366May 03, 20191,379.720.000%032309.86436Apr 20, 20191,379.720.000%032309.86436Apr 22, 20191,351.041.375%27453.46630832812.10089Apr 24, 20191,376.451.881%37494.1567232906.65017Apr 23, 20191,351.041.375%27403.9828332916.58295Apr 22, 20191,351.041.375%27403.9828332916.58295 | May 28, 2019 | 1,311.32 | 1.000% | 19930.27943 | 26101.0949 |
| May 23, 20191,321.370.485%9668.89991827145.87794May 22, 20191,327.810.044%886.209143927403.98283May 21, 20191,327.221.048%20900.0597727560.86646May 20, 20191,313.454.616%92016.1071328331.26812May 17, 20191,255.00.162%3228.5627128872.83417May 16, 20191,253.470.672%13401.3440729104.94299May 15, 20191,245.10-0.281%-5604.12018229635.4168May 13, 20191,248.612.305%45947.9561329919.46741May 13, 20191,220.48-1.527%-30432.4398930098.18827May 00, 20191,244.65-3.309%-65974.154230665.87603May 09, 20191,287.25-3.278%-65354.1915930883.5815May 07, 20191,330.88-2.990%-59607.4210931199.64922May 06, 20191,371.90-1.700%-33882.4364831555.86366May 03, 20191,395.620.270%5385.41807431719.18703May 02, 20191,395.610.270%032309.86436Apr 30, 20191,379.720.000%032309.86436Apr 26, 20191,379.721.487%29635.416832255.97166Apr 26, 20191,379.721.487%29635.416832241.80873Apr 26, 20191,379.72-2.929%-58400.644632296.65017Apr 25, 20191,350.411.375%27403.9828332916.58295 | May 27, 2019 | 1,298.34 | -1.960% | -39079.17994 | 26399.41382 |
| May 22, 20191,327.810.044%886.209143927403.98283May 21, 20191,327.221.048%20900.0597727560.86646May 20, 20191,313.454.616%92016.1071328331.26812May 17, 20191,255.500.162%3228.5627128872.83417May 16, 20191,253.470.672%13401.3440729104.94299May 15, 20191,245.10-0.281%-5604.12018229635.4168May 14, 20191,248.612.305%45947.9561329919.46741May 13, 20191,220.48-1.527%-30432.4398930098.18827May 10, 20191,239.40-0.422%-8408.9009230264.98032May 09, 20191,244.65-3.309%-65974.154230665.87603May 08, 20191,287.25-3.278%-65354.1915930883.5815May 07, 20191,330.88-2.90%-59607.4210931199.64922May 06, 20191,371.90-1.700%-3382.4364831555.86366May 03, 20191,395.620.270%5385.41807431719.18703May 02, 20191,395.51-1.231%-24534.6630832241.80873Apr 26, 20191,379.721.487%29635.41683255.97166Apr 25, 20191,379.721.487%29635.41683255.97166Apr 24, 20191,376.451.881%37494.156723290.65017Apr 23, 20191,351.041.375%27403.9828332916.58295Apr 24, 20191,372.72-2.929%-58400.644632976.50944 <td>May 24, 2019</td> <td>1,324.30</td> <td>0.222%</td> <td>4420.488962</td> <td>26862.92661</td> | May 24, 2019 | 1,324.30 | 0.222% | 4420.488962 | 26862.92661 |
| May 21, 20191,327.221.048%20900.0597727560.86646May 20, 20191,313.454.616%92016.1071328331.26812May 17, 20191,255.500.162%3228.5627128872.83417May 16, 20191,253.470.672%13401.3440729104.94299May 15, 20191,245.10-0.281%-5604.12018229635.4168May 14, 20191,248.612.305%45947.9561329919.46741May 13, 20191,220.48-1.527%-30432.4398930098.18827May 10, 20191,239.40-0.422%-8408.90009230264.98032May 09, 20191,244.65-3.309%-65974.154230665.87603May 08, 20191,287.25-3.278%-65354.1915930883.5815May 07, 20191,330.88-2.990%-59607.4210931199.64922May 06, 20191,371.90-1.700%-33882.4364831555.86366May 03, 20191,395.620.270%5385.41807431719.18703May 02, 20191,391.860.880%17541.0206432241.80873Apr 26, 20191,379.720.000%032309.86436Apr 25, 20191,379.721.487%29635.41683255.97166Apr 25, 20191,371.941.1231%-24534.6630832812.10089Apr 24, 20191,376.451.881%37494.1567232906.65017Apr 23, 20191,351.041.375%27403.9828332916.58295Apr 24, 20191,372.943.141%62616.2174233196.66599 <td>May 23, 2019</td> <td>1,321.37</td> <td>-0.485%</td> <td>-9668.899918</td> <td>27145.87794</td> | May 23, 2019 | 1,321.37 | -0.485% | -9668.899918 | 27145.87794 |
| May 20, 20191,313.454.616%92016.1071328331.26812May 17, 20191,255.500.162%3228.5627128872.83417May 16, 20191,253.470.672%13401.3440729104.94299May 15, 20191,245.10-0.281%-5604.12018229635.4168May 14, 20191,248.612.305%45947.9561329919.46741May 13, 20191,220.48-1.527%-30432.4398930098.18827May 10, 20191,239.40-0.422%-8408.90009230264.98032May 09, 20191,244.65-3.309%-65974.154230665.87603May 07, 20191,330.88-2.990%-59607.4210931199.64922May 06, 20191,371.90-1.700%-33882.4364831555.86366May 03, 20191,395.620.270%5385.41807431719.18703May 02, 20191,391.860.880%17541.0206432241.80873Apr 30, 20191,379.721.487%29635.41683255.97166Apr 26, 20191,379.721.487%29635.41683255.97166Apr 25, 20191,351.041.375%27403.9828332916.58295Apr 24, 20191,351.041.375%27403.9828332916.58295Apr 22, 20191,331.130.268%5345.88609333940.82131Apr 18, 20191,327.57-0.219%-4375.20462434380.32294Apr 15, 20191,327.57-0.219%-5468.94502135091.2343 | May 22, 2019 | 1,327.81 | 0.044% | 886.2091439 | 27403.98283 |
| May 17, 20191,255.500.162%3228.5627128872.83417May 16, 20191,253.470.672%13401.3440729104.94299May 15, 20191,245.10-0.281%-5604.12018229635.4168May 14, 20191,248.612.305%45947.9561329919.46741May 13, 20191,220.48-1.527%-30432.4398930098.18827May 10, 20191,239.40-0.422%-8408.90009230264.98032May 09, 20191,244.65-3.309%-65974.154230665.87603May 07, 20191,330.88-2.990%-59607.4210931199.64922May 06, 20191,371.90-1.700%-33882.4364831555.86366May 03, 20191,395.620.270%5385.41807431719.18703May 02, 20191,391.860.880%17541.0206432241.80873Apr 30, 20191,379.720.000%032309.86436Apr 26, 20191,379.721.487%29635.41683255.97166Apr 25, 20191,376.451.881%37494.1567232906.65017Apr 23, 20191,376.451.881%37494.1567232906.65017Apr 23, 20191,327.27-2.929%-58400.644632976.50944Apr 18, 20191,372.943.141%62616.2174233196.66959Apr 16, 20191,331.130.268%5345.88609333940.82131Apr 15, 20191,330.49-0.274%-4375.20462434380.32294 | May 21, 2019 | 1,327.22 | 1.048% | 20900.05977 | 27560.86646 |
| May 16, 20191,253.470.672%13401.3440729104.94299May 15, 20191,245.10-0.281%-5604.12018229635.4168May 14, 20191,248.612.305%45947.9561329919.46741May 13, 20191,220.48-1.527%-30432.4398930098.18827May 10, 20191,239.40-0.422%-8408.90009230264.98032May 09, 20191,248.65-3.309%-65374.154230665.87603May 08, 20191,287.25-3.278%-65354.1915930883.5815May 07, 20191,330.88-2.990%-59607.4210931199.64922May 06, 20191,371.90-1.700%-33882.4364831555.86366May 03, 20191,395.620.270%5385.41807431719.18703May 02, 20191,391.860.880%17541.0206432241.80873Apr 30, 20191,379.721.487%29635.416832555.97166Apr 26, 20191,379.721.487%29635.416832255.97166Apr 25, 20191,351.041.375%27403.9828332916.58295Apr 24, 20191,351.041.375%27403.9828332916.58295Apr 22, 20191,327.27-2.929%-58400.644632976.50944Apr 18, 20191,31.130.268%5345.88609333940.82131Apr 15, 20191,327.57-0.219%-4375.20462434380.32294Apr 15, 20191,330.49-0.274%-5468.94502135091.2343 | May 20, 2019 | 1,313.45 | 4.616% | 92016.10713 | 28331.26812 |
| May 15, 20191,245.10-0.281%-5604.12018229635.4168May 14, 20191,248.612.305%45947.9561329919.46741May 13, 20191,220.48-1.527%-30432.4398930098.18827May 10, 20191,239.40-0.422%-8408.90009230264.98032May 09, 20191,244.65-3.309%-65974.154230665.87603May 08, 20191,287.25-3.278%-65354.1915930883.5815May 07, 20191,330.88-2.990%-59607.4210931199.64922May 06, 20191,371.90-1.700%-33882.4364831555.86366May 03, 20191,395.620.270%5385.41807431719.18703May 02, 20191,391.860.880%17541.0206432241.80873Apr 30, 20191,379.720.000%032309.86436Apr 26, 20191,379.721.487%29635.416832555.97166Apr 25, 20191,351.041.375%27403.9828332916.58295Apr 23, 20191,327.27-2.929%-58400.644632976.50944Apr 18, 20191,371.943.141%62616.2174233196.66959Apr 16, 20191,331.130.268%5345.88609333940.82131Apr 15, 20191,327.57-0.219%-4375.20462434380.32294Apr 12, 20191,330.49-0.274%-5468.94502135091.2343 | May 17, 2019 | 1,255.50 | 0.162% | 3228.56271 | 28872.83417 |
| May 14, 20191,248.612.305%45947.9561329919.46741May 13, 20191,220.48-1.527%-30432.4398930098.18827May 10, 20191,239.40-0.422%-8408.9009230264.98032May 09, 20191,244.65-3.309%-65974.154230665.87603May 08, 20191,287.25-3.278%-65354.1915930883.5815May 07, 20191,330.88-2.990%-59607.4210931199.64922May 06, 20191,371.90-1.700%-33882.4364831555.86366May 03, 20191,395.620.270%5385.41807431719.18703May 02, 20191,391.860.880%17541.0206432241.80873Apr 30, 20191,379.720.000%032309.86436Apr 26, 20191,379.721.487%29635.416832555.97166Apr 25, 20191,359.51-1.231%-24534.6630832812.10089Apr 23, 20191,351.041.375%27403.9828332916.58295Apr 22, 20191,332.72-2.929%-58400.644632976.50944Apr 18, 20191,372.943.141%62616.2174233196.66959Apr 16, 20191,331.130.268%5345.88609333940.82131Apr 15, 20191,327.57-0.219%-4375.20462434380.32294Apr 12, 20191,330.49-0.274%-5468.94502135091.2343 | May 16, 2019 | 1,253.47 | 0.672% | 13401.34407 | 29104.94299 |
| May 13, 20191,220.48-1.527%-30432.4398930098.18827May 10, 20191,239.40-0.422%-8408.90009230264.98032May 09, 20191,244.65-3.309%-65974.154230665.87603May 08, 20191,287.25-3.278%-65354.1915930883.5815May 07, 20191,330.88-2.990%-59607.4210931199.64922May 06, 20191,371.90-1.700%-33882.4364831555.86366May 03, 20191,395.620.270%5385.41807431719.18703May 02, 20191,391.860.880%17541.0206432241.80873Apr 30, 20191,379.720.000%032309.86436Apr 26, 20191,379.721.487%29635.416832555.97166Apr 25, 20191,359.51-1.231%-24534.6630832812.10089Apr 24, 20191,351.041.375%27403.9828332916.58295Apr 22, 20191,332.72-2.929%-58400.644632976.50944Apr 18, 20191,371.310.268%5345.88609333940.82131Apr 15, 20191,327.57-0.219%-4375.20462434380.32294Apr 12, 20191,330.49-0.274%-5468.94502135091.2343 | May 15, 2019 | 1,245.10 | -0.281% | -5604.120182 | 29635.4168 |
| May 10, 20191,239.40-0.422%-8408.9009230264.98032May 09, 20191,244.65-3.309%-65974.154230665.87603May 08, 20191,287.25-3.278%-65354.1915930883.5815May 07, 20191,330.88-2.990%-59607.4210931199.64922May 06, 20191,371.90-1.700%-33882.4364831555.86366May 03, 20191,395.620.270%5385.41807431719.18703May 02, 20191,391.860.880%17541.0206432241.80873Apr 30, 20191,379.720.000%032309.86436Apr 26, 20191,379.721.487%29635.416832555.97166Apr 25, 20191,379.721.487%29635.416832255.97166Apr 24, 20191,376.451.881%37494.1567232906.65017Apr 23, 20191,351.041.375%27403.9828332916.58295Apr 22, 20191,32.72-2.929%-58400.644632976.50944Apr 18, 20191,37.943.141%62616.2174233196.66959Apr 16, 20191,331.130.268%5345.88609333940.82131Apr 15, 20191,327.57-0.219%-4375.20462434380.32294Apr 12, 20191,330.49-0.274%-5468.94502135091.2343 | May 14, 2019 | 1,248.61 | 2.305% | 45947.95613 | 29919.46741 |
| May 09, 20191,244.65-3.309%-65974.154230665.87603May 08, 20191,287.25-3.278%-65354.1915930883.5815May 07, 20191,330.88-2.990%-59607.4210931199.64922May 06, 20191,371.90-1.700%-33882.4364831555.86366May 03, 20191,395.620.270%5385.41807431719.18703May 02, 20191,391.860.880%17541.0206432241.80873Apr 30, 20191,379.720.000%032309.86436Apr 26, 20191,379.721.487%29635.416832555.97166Apr 25, 20191,359.51-1.231%-24534.6630832812.10089Apr 24, 20191,351.041.375%27403.9828332916.58295Apr 22, 20191,332.72-2.929%-58400.644632976.50944Apr 18, 20191,372.943.141%62616.2174233196.66959Apr 16, 20191,331.130.268%5345.88609333940.82131Apr 15, 20191,330.49-0.274%-5468.94502135091.2343 | May 13, 2019 | 1,220.48 | -1.527% | -30432.43989 | 30098.18827 |
| May 08, 20191,287.25-3.278%-65354.1915930883.5815May 07, 20191,330.88-2.990%-59607.4210931199.64922May 06, 20191,371.90-1.700%-33882.4364831555.86366May 03, 20191,395.620.270%5385.41807431719.18703May 02, 20191,391.860.880%17541.0206432241.80873Apr 30, 20191,379.720.000%032309.86436Apr 26, 20191,379.721.487%29635.41683255.97166Apr 25, 20191,359.51-1.231%-24534.6630832812.10089Apr 24, 20191,376.451.881%37494.1567232906.65017Apr 23, 20191,351.041.375%27403.9828332916.58295Apr 22, 20191,372.943.141%62616.2174233196.66959Apr 16, 20191,331.130.268%5345.88609333940.82131Apr 15, 20191,327.57-0.219%-4375.20462434380.32294Apr 12, 20191,330.49-0.274%-5468.94502135091.2343 | May 10, 2019 | 1,239.40 | -0.422% | -8408.900092 | 30264.98032 |
| May 07, 20191,330.88-2.990%-59607.4210931199.64922May 06, 20191,371.90-1.700%-33882.4364831555.86366May 03, 20191,395.620.270%5385.41807431719.18703May 02, 20191,391.860.880%17541.0206432241.80873Apr 30, 20191,379.720.000%032309.86436Apr 26, 20191,379.721.487%29635.41683255.97166Apr 25, 20191,359.51-1.231%-24534.6630832812.10089Apr 24, 20191,376.451.881%37494.1567232906.65017Apr 23, 20191,351.041.375%27403.9828332916.58295Apr 22, 20191,327.27-2.929%-58400.644632976.50944Apr 18, 20191,371.130.268%5345.88609333940.82131Apr 15, 20191,327.57-0.219%-4375.20462434380.32294Apr 12, 20191,330.49-0.274%-5468.94502135091.2343 | · · · | 1,244.65 | -3.309% | -65974.1542 | 30665.87603 |
| May 06, 20191,371.90-1.700%-33882.4364831555.86366May 03, 20191,395.620.270%5385.41807431719.18703May 02, 20191,391.860.880%17541.0206432241.80873Apr 30, 20191,379.720.000%032309.86436Apr 26, 20191,379.721.487%29635.416832555.97166Apr 25, 20191,359.51-1.231%-24534.6630832812.10089Apr 24, 20191,376.451.881%37494.1567232906.65017Apr 23, 20191,351.041.375%27403.9828332916.58295Apr 22, 20191,332.72-2.929%-58400.644632976.50944Apr 18, 20191,372.943.141%62616.2174233196.66959Apr 16, 20191,327.57-0.219%-4375.20462434380.32294Apr 12, 20191,330.49-0.274%-5468.94502135091.2343 | May 08, 2019 | 1,287.25 | -3.278% | -65354.19159 | 30883.5815 |
| May 03, 20191,395.620.270%5385.41807431719.18703May 02, 20191,391.860.880%17541.0206432241.80873Apr 30, 20191,379.720.000%032309.86436Apr 26, 20191,379.721.487%29635.416832555.97166Apr 25, 20191,359.51-1.231%-24534.6630832812.10089Apr 24, 20191,376.451.881%37494.1567232906.65017Apr 23, 20191,351.041.375%27403.9828332916.58295Apr 22, 20191,332.72-2.929%-58400.644632976.50944Apr 18, 20191,372.943.141%62616.2174233196.66959Apr 16, 20191,331.130.268%5345.88609333940.82131Apr 15, 20191,330.49-0.274%-5468.94502135091.2343 | May 07, 2019 | 1,330.88 | -2.990% | -59607.42109 | 31199.64922 |
| May 02, 20191,391.860.880%17541.0206432241.80873Apr 30, 20191,379.720.000%032309.86436Apr 26, 20191,379.721.487%29635.416832555.97166Apr 25, 20191,359.51-1.231%-24534.6630832812.10089Apr 24, 20191,376.451.881%37494.1567232906.65017Apr 23, 20191,351.041.375%27403.9828332916.58295Apr 22, 20191,332.72-2.929%-58400.644632976.50944Apr 18, 20191,372.943.141%62616.2174233196.66959Apr 16, 20191,327.57-0.219%-4375.20462434380.32294Apr 12, 20191,330.49-0.274%-5468.94502135091.2343 | May 06, 2019 | 1,371.90 | -1.700% | -33882.43648 | 31555.86366 |
| Apr 30, 20191,379.720.000%032309.86436Apr 26, 20191,379.721.487%29635.416832555.97166Apr 25, 20191,359.51-1.231%-24534.6630832812.10089Apr 24, 20191,376.451.881%37494.1567232906.65017Apr 23, 20191,351.041.375%27403.9828332916.58295Apr 22, 20191,332.72-2.929%-58400.644632976.50944Apr 18, 20191,372.943.141%62616.2174233196.66959Apr 16, 20191,331.130.268%5345.88609333940.82131Apr 15, 20191,327.57-0.219%-4375.20462434380.32294Apr 12, 20191,330.49-0.274%-5468.94502135091.2343 | May 03, 2019 | 1,395.62 | 0.270% | 5385.418074 | 31719.18703 |
| Apr 26, 20191,379.721.487%29635.416832555.97166Apr 25, 20191,359.51-1.231%-24534.6630832812.10089Apr 24, 20191,376.451.881%37494.1567232906.65017Apr 23, 20191,351.041.375%27403.9828332916.58295Apr 22, 20191,332.72-2.929%-58400.644632976.50944Apr 18, 20191,372.943.141%62616.2174233196.66959Apr 16, 20191,331.130.268%5345.88609333940.82131Apr 15, 20191,327.57-0.219%-4375.20462434380.32294Apr 12, 20191,330.49-0.274%-5468.94502135091.2343 | May 02, 2019 | 1,391.86 | 0.880% | 17541.02064 | 32241.80873 |
| Apr 25, 20191,359.51-1.231%-24534.6630832812.10089Apr 24, 20191,376.451.881%37494.1567232906.65017Apr 23, 20191,351.041.375%27403.9828332916.58295Apr 22, 20191,332.72-2.929%-58400.644632976.50944Apr 18, 20191,372.943.141%62616.2174233196.66959Apr 16, 20191,331.130.268%5345.88609333940.82131Apr 15, 20191,327.57-0.219%-4375.20462434380.32294Apr 12, 20191,330.49-0.274%-5468.94502135091.2343 | Apr 30, 2019 | 1,379.72 | 0.000% | 0 | 32309.86436 |
| Apr 24, 20191,376.451.881%37494.1567232906.65017Apr 23, 20191,351.041.375%27403.9828332916.58295Apr 22, 20191,332.72-2.929%-58400.644632976.50944Apr 18, 20191,372.943.141%62616.2174233196.66959Apr 16, 20191,331.130.268%5345.88609333940.82131Apr 15, 20191,327.57-0.219%-4375.20462434380.32294Apr 12, 20191,330.49-0.274%-5468.94502135091.2343 | Apr 26, 2019 | 1,379.72 | 1.487% | 29635.4168 | 32555.97166 |
| Apr 23, 20191,351.041.375%27403.9828332916.58295Apr 22, 20191,332.72-2.929%-58400.644632976.50944Apr 18, 20191,372.943.141%62616.2174233196.66959Apr 16, 20191,331.130.268%5345.88609333940.82131Apr 15, 20191,327.57-0.219%-4375.20462434380.32294Apr 12, 20191,330.49-0.274%-5468.94502135091.2343 | Apr 25, 2019 | 1,359.51 | -1.231% | -24534.66308 | 32812.10089 |
| Apr 22, 20191,332.72-2.929%-58400.644632976.50944Apr 18, 20191,372.943.141%62616.2174233196.66959Apr 16, 20191,331.130.268%5345.88609333940.82131Apr 15, 20191,327.57-0.219%-4375.20462434380.32294Apr 12, 20191,330.49-0.274%-5468.94502135091.2343 | Apr 24, 2019 | 1,376.45 | 1.881% | 37494.15672 | 32906.65017 |
| Apr 18, 20191,372.943.141%62616.2174233196.66959Apr 16, 20191,331.130.268%5345.88609333940.82131Apr 15, 20191,327.57-0.219%-4375.20462434380.32294Apr 12, 20191,330.49-0.274%-5468.94502135091.2343 | Apr 23, 2019 | 1,351.04 | 1.375% | 27403.98283 | 32916.58295 |
| Apr 16, 20191,331.130.268%5345.88609333940.82131Apr 15, 20191,327.57-0.219%-4375.20462434380.32294Apr 12, 20191,330.49-0.274%-5468.94502135091.2343 | Apr 22, 2019 | 1,332.72 | -2.929% | -58400.6446 | 32976.50944 |
| Apr 15, 20191,327.57-0.219%-4375.20462434380.32294Apr 12, 20191,330.49-0.274%-5468.94502135091.2343 | Apr 18, 2019 | 1,372.94 | 3.141% | 62616.21742 | 33196.66959 |
| Apr 12, 2019 1,330.49 -0.274% -5468.945021 35091.2343 | Apr 16, 2019 | 1,331.13 | 0.268% | 5345.886093 | 33940.82131 |
| | Apr 15, 2019 | 1,327.57 | -0.219% | -4375.204624 | 34380.32294 |
| Apr 11, 2019 1,334.15 1.156% 23050.75252 35091.61836 | Apr 12, 2019 | 1,330.49 | -0.274% | -5468.945021 | 35091.2343 |
| | Apr 11, 2019 | 1,334.15 | 1.156% | 23050.75252 | 35091.61836 |



| Apr10,20191,318.90-0.228%-4554.3762135327.87794Apr09,0191,31.21.920.391%7796.94441735349.71408Apr08,20191,31.190.063%1264.2445236191.75911Apr04,20191,340.34-1.611%-32121.2241936821.82214Apr03,20191,362.29-1.043%-20794.9573237029.65458Apr02,20191,376.65-0.154%-3079.72374137494.15572Apr01,20191,378.782.098%41821.0755738898.75394Mar 29,20191,336.58-0.239%4764.76531339111.68883Mar 28,20191,336.58-1.316%-26243.8969739190.14436Mar 25,20191,312.01-1.200%-25707.7432939741.71769Mar 22,20191,326.25-0.080%-1593.53008941665.71196Mar 20,20191,362.53-0.080%-1593.53008941665.7196Mar 19,20191,363.621.963%39129.5501141821.07557Mar 18,20191,337.372.149%4283.9118442296.41146Mar 15,20191,334.651.198%23882.9665543138.98914Mar 12,20191,334.651.198%23882.9965543138.98914Mar 12,20191,334.651.198%23882.9965543138.98914Mar 12,20191,255.20-0.427%-8514.01865742832.91184Mar 07,20191,255.20-0.428%4494.00019144667.58137Mar 01,20191,214.54-0 | | | | | A positive NPV Training Center |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|----------|---------|--------------|--------------------------------|
| Apr 08, 20191,316.77-1.821%-36297.9823935457.53312Apr 05, 20191,341.190.063%1264.2445236191.75901Apr 04, 20191,340.34-1.611%-32121.2241936821.82214Apr 03, 20191,352.29-1.043%-2.0794.9573237029.65458Apr 02, 20191,376.65-0.154%-3079.72374137494.15672Apr 01, 20191,378.782.098%41821.0755738898.75394Mar 29, 20191,347.230.797%15848.8011339129.55091Mar 27, 20191,336.58-1.316%-26243.8969739190.14436Mar 26, 20191,324.413.232%64425.2101739649.66545Mar 25, 20191,329.15-2.450%-48839.0774043.16761Mar 20, 20191,362.53-0.080%-1593.53008941665.71196Mar 19, 20191,365.621.963%39129.5509141821.07557Mar 18, 20191,337.372.149%42832.9118442296.41146Mar 11, 20191,328.95-0.427%-8514.01865742823.9314Mar 13, 20191,334.651.198%23882.9965543138.98914Mar 12, 20191,318.852.090%41665.7119643555.50387Mar 11, 20191,258.20-0.427%-8514.01865742823.91184Mar 02, 20191,255.20-0.427%45820.87376543723.69314Mar 03, 20191,255.20-0.428%-4943.00019144667.58137Mar 04, 20191,218.85.0090%41665.711964 | Apr 10, 2019 | 1,318.90 | -0.228% | -4554.37621 | 35327.87794 |
| Apr 05, 20191,341.190.063%1264.2445236191.75901Apr 04, 20191,340.341.611%-32121.2241936821.82214Apr 03, 20191,362.29-1.043%-20794.9573237029.65458Apr 02, 20191,376.65-0.154%-3079.72374137494.15672Apr 01, 20191,378.782.098%41821.0755738898.75394Mar 29, 20191,350.450.239%4764.76251339111.68883Mar 28, 20191,354.413.232%64425.2101739649.66545Mar 27, 20191,354.413.232%64425.2101739649.66545Mar 25, 20191,312.01-1.290%-25707.7432939741.71769Mar 22, 20191,329.15-2.450%-48839.070740443.16761Mar 20, 20191,362.53-0.080%-1593.53008941657.1196Mar 19, 20191,363.621.963%39129.5509141821.07557Mar 18, 20191,373.772.149%4283.9118442296.41146Mar 19, 20191,363.651.963%39129.5509141821.07557Mar 14, 20191,328.95-0.427%-8514.0186574282.91184Mar 13, 20191,334.651.198%23882.9965543138.98914Mar 14, 20191,258.20-0.248%-4943.0019144667.58137Mar 08, 20191,258.20-0.248%-4943.0019144667.58137Mar 06, 20191,225.02-0.248%-4943.0019144667.58137Mar 06, 20191,226.030.946%18859.724264534.745 | Apr 09, 2019 | 1,321.92 | 0.391% | 7796.944417 | 35349.71408 |
| Apr 04, 20191,340.34-1.611%-32121.2241936821.82214Apr 03, 20191,362.29-1.043%-20794.9573237029.65458Apr 02, 20191,376.65-0.154%-3079.72374137194.15672Apr 01, 20191,378.782.098%41821.0755738898.75394Mar 29, 20191,350.450.239%4764.7625133911.68883Mar 29, 20191,350.450.239%4764.7625133911.68883Mar 22, 20191,354.413.232%64425.2101739649.66545Mar 25, 20191,312.01-1.290%-2.7507.7432939741.71769Mar 22, 20191,320.15-2.450%-48839.070740443.16761Mar 20, 20191,363.621.963%39129.5509141821.07557Mar 18, 20191,363.621.963%39129.5509141821.07557Mar 19, 20191,363.621.963%39129.5509141821.07557Mar 19, 20191,363.621.963%39129.5509141821.07557Mar 19, 20191,334.85-0.427%-8514.0186574283.91184Mar 13, 20191,338.85-0.427%-8514.0186574283.91184Mar 11, 20191,238.29-0.428%-4943.00019144667.58137Mar 12, 20191,258.20-0.248%-4943.0019144667.58137Mar 07, 20191,258.32-0.428%-4943.0019144667.58137Mar 07, 20191,258.20-0.248%-4943.0019144667.58137Mar 05, 20191,226.030.946%18859.724264534 | Apr 08, 2019 | 1,316.77 | -1.821% | -36297.98239 | 35457.53312 |
| Apr 03, 20191,362.29-1.043%-20794.9573237029.65458Apr 02, 20191,376.65-0.154%-3079.72374137494.15672Apr 01, 20191,378.782.098%41821.0755738898.75394Mar 29, 20191,347.230.797%15884.8011339112.65831Mar 28, 20191,347.230.797%15884.8011339129.55091Mar 27, 20191,356.45-1.316%-26243.8969739190.14436Mar 26, 20191,324.12-1.290%-25707.7432939741.71769Mar 22, 20191,320.15-2.450%-48839.070740443.16761Mar 20, 20191,362.53-0.080%-1593.5306941665.71196Mar 12, 20191,363.621.963%39129.5509141821.07557Mar 18, 20191,337.372.149%42832.9118442296.41146Mar 15, 20191,329.92-0.427%-8514.01865742832.91184Mar 13, 20191,328.95-0.427%-8514.01865742832.91184Mar 13, 20191,318.852.090%41665.7119643555.50387Mar 11, 20191,258.20-0.248%-4943.00019144667.5137Mar 06, 20191,258.200.946%18859.7242645341.4534Mar 07, 20191,258.200.946%18859.724264534.47534Mar 06, 20191,225.02-0.248%-6931.966744583.915915Mar 05, 20191,226.030.946%18859.7242645434.74534Mar 05, 20191,226.73-0.0266%5310.460047459 | Apr 05, 2019 | 1,341.19 | 0.063% | 1264.24452 | 36191.75901 |
| Apr 02, 20191,376.65-0.154%-3079.72374137494.15672Apr 01, 20191,378.782.098%41821.0755738898.75394Mar 29, 20191,350.450.239%4764.76251339111.68883Mar 28, 20191,347.230.797%15884.8011339129.55091Mar 27, 20191,356.413.232%64425.2101739649.65545Mar 26, 20191,354.413.232%64425.2101739649.65545Mar 25, 20191,351.413.232%64425.2101739649.65545Mar 22, 20191,329.15-2.450%-48839.070740443.16761Mar 20, 20191,363.621.963%39129.5509141821.07557Mar 19, 20191,363.621.963%39129.5509141821.07557Mar 19, 20191,363.621.963%39129.5509141821.07557Mar 18, 20191,337.372.149%42832.9118442296.41146Mar 15, 20191,309.24-1.483%-29566.8539142525.3875Mar 14, 20191,328.95-0.427%-8514.01865742832.91184Mar 13, 20191,318.852.900%58208.7376543723.69314Mar 08, 20191,255.20-0.248%-4943.00019144667.58137Mar 08, 20191,255.20-0.248%-4943.0019144667.58137Mar 07, 20191,258.320.431%8592.06493645040.43797Mar 06, 20191,226.030.946%18859.7242645434.74534Mar 01, 20191,214.54-0.406%-8091.9667244558.794 | Apr 04, 2019 | 1,340.34 | -1.611% | -32121.22419 | 36821.82214 |
| Apr 01, 20191,378.782.098%41821.0755738898.75394Mar 29, 20191,350.450.239%4764.76251339111.68883Mar 28, 20191,347.230.797%15884.8011339129.55091Mar 27, 20191,354.413.323%64425.2101739649.66545Mar 25, 20191,312.01-1.290%-25707.7432939741.71769Mar 25, 20191,329.15-2.450%-48839.070740443.16761Mar 20, 20191,362.53-0.080%-1593.53008941655.71196Mar 19, 20191,363.621.963%39129.5509141821.07557Mar 18, 20191,337.372.149%42832.9118442296.41146Mar 15, 20191,309.24-1.483%-29566.839142525.3875Mar 14, 20191,328.95-0.427%-8514.01865742832.91184Mar 13, 20191,334.651.198%23882.9965543138.98914Mar 12, 20191,318.852.090%41665.7119643555.50387Mar 11, 20191,255.20-0.248%-4943.00019144667.58137Mar 08, 20191,255.20-0.248%43943.0019144667.58137Mar 07, 20191,258.320.431%8592.06493645040.43797Mar 06, 20191,255.922.193%43723.6931445391.95915Mar 05, 20191,220.73-0.004%18859.7242645434.74534Mar 01, 20191,214.54-0.066%5310.46004745937.9443Feb 27, 20191,220.78-1.167%-23257.1956549332. | Apr 03, 2019 | 1,362.29 | -1.043% | -20794.95732 | 37029.65458 |
| Mar 29, 20191,350.450.239%4764.76251339111.68883Mar 28, 20191,347.230.797%15884.8011339129.55091Mar 27, 20191,336.58-1.316%-26243.8969739190.14436Mar 26, 20191,312.01-1.290%-25707.7432939741.71769Mar 22, 20191,320.15-2.450%-48839.070740443.16761Mar 20, 20191,362.53-0.080%-1593.53008941665.71196Mar 19, 20191,363.621.963%39129.5509141821.07557Mar 18, 20191,337.372.149%42832.9118442296.41146Mar 15, 20191,328.95-0.427%-8514.01865742832.91184Mar 13, 20191,328.95-0.427%-854.0186574383.9914Mar 14, 20191,318.852.090%41665.7119643555.50387Mar 14, 20191,318.852.090%41665.7119643555.50387Mar 11, 20191,251.20-0.248%-4943.00019144667.58137Mar 06, 20191,255.20-0.248%-4943.0019144667.58137Mar 07, 20191,255.20-0.248%-4943.0019144667.58137Mar 06, 20191,252.922.193%43723.6931445391.9515Mar 07, 20191,252.922.193%43723.6931445391.9515Mar 05, 20191,220.73-0.046%38091.96672445587.9443Feb 28, 20191,21.010.266%5310.46004745947.95613Feb 27, 20191,21.010.266%5310.46004745947.9561 | Apr 02, 2019 | 1,376.65 | -0.154% | -3079.723741 | 37494.15672 |
| Mar 28, 20191,347.230.797%15884.8011339129.55091Mar 27, 20191,336.58-1.316%-26243.8969739190.14436Mar 26, 20191,312.01-1.290%-25707.7432939741.71769Mar 22, 20191,329.15-2.450%-48839.070740443.16761Mar 20, 20191,362.53-0.080%-1593.53008941665.71196Mar 10, 20191,363.621.963%39129.5509141821.07557Mar 18, 20191,337.372.149%42832.9118442296.41146Mar 15, 20191,338.55-0.427%-8514.01865742832.91184Mar 13, 20191,334.651.198%23882.9965543138.98914Mar 13, 20191,334.651.909%41665.7119643555.50387Mar 14, 20191,318.852.900%58208.7376543723.69314Mar 02, 20191,258.320.431%8592.06493645040.43797Mar 02, 20191,258.320.431%8592.06493645040.43797Mar 05, 20191,226.030.946%18859.724264543.74534Mar 01, 20191,214.54-0.406%-8091.96672445587.9443Feb 28, 20191,210.010.266%5310.46004745947.95613Feb 27, 20191,220.73-0.047%-1.9488.9776646472.72685Feb 22, 20191,220.73-0.047%-31650665974653.18223Feb 22, 20191,220.73-0.046%-5310.46004745947.95613Feb 22, 20191,220.761.167%-23257.195654332 | Apr 01, 2019 | 1,378.78 | 2.098% | 41821.07557 | 38898.75394 |
| Mar 27, 20191,336.58-1.316%-26243.8969739190.14436Mar 26, 20191,354.413.232%64425.2101739649.66545Mar 25, 20191,312.01-1.290%-25707.7432939741.71769Mar 22, 20191,329.15-2.450%-48839.070740443.16761Mar 20, 20191,362.53-0.080%-1593.53008941665.71196Mar 19, 20191,363.621.963%39129.5509141821.07557Mar 18, 20191,337.372.149%4283.118442296.41146Mar 15, 20191,309.24-1.483%-29566.8539142525.33875Mar 14, 20191,328.95-0.427%-8514.01865742832.91184Mar 13, 20191,318.852.090%41665.7119643555.50387Mar 11, 20191,218.852.920%58208.7376543723.69314Mar 07, 20191,258.220.248%-4943.00019144667.58137Mar 07, 20191,258.220.946%18859.7242645434.74534Mar 07, 20191,214.54-0.406%-8091.96672445587.9443Feb 28, 20191,210.970.976%-19498.977664672.72685Feb 22, 20191,220.73-0.004%-816.565974633.18223Feb 22, 20191,220.73-0.004%-816.565974633.18223Feb 22, 20191,220.73-0.004%-810.9665974633.18223Feb 22, 20191,220.761.501%2926.4866949454.06158Feb 22, 20191,220.761.501%2926.4866949454.06158< | Mar 29, 2019 | 1,350.45 | 0.239% | 4764.762513 | 39111.68883 |
| Mar 26, 20191,354.413.232%64425.2101739649.66545Mar 25, 20191,312.01-1.290%-25707.7432939741.71769Mar 22, 20191,329.15-2.450%-48839.070740443.16761Mar 20, 20191,362.53-0.080%-1593.53008941665.71196Mar 19, 20191,363.621.963%39129.5509141821.07557Mar 18, 20191,337.372.149%42832.9118442296.41146Mar 15, 20191,309.24-1.483%-29566.8539142525.3875Mar 14, 20191,328.95-0.427%-8514.01865742832.91184Mar 13, 20191,334.651.198%23882.9965543138.98914Mar 14, 20191,231.852.090%41665.7119643555.50387Mar 12, 20191,218.852.090%58208.7376543723.69314Mar 08, 20191,255.20-0.248%-4943.00019144667.58137Mar 07, 20191,258.320.431%8592.06493645040.43797Mar 06, 20191,252.922.193%43723.6931445391.95915Mar 01, 20191,214.54-0.406%8091.96672445587.9443Mar 01, 20191,214.54-0.406%8091.96672445587.9433Feb 28, 20191,220.73-0.004%81.6506659746536.18223Feb 27, 20191,21010.266%5310.46004745947.95613Feb 28, 20191,220.78-1.167%-23257.1956549332.81387Feb 29, 20191,220.78-1.167%-23257.1956549332. | Mar 28, 2019 | 1,347.23 | 0.797% | 15884.80113 | 39129.55091 |
| Mar 25, 20191,312.01-1.290%-25707.7432939741.71769Mar 22, 20191,329.15-2.450%-48839.070740443.16761Mar 20, 20191,362.53-0.080%-1593.53008941665.71196Mar 19, 20191,363.621.963%39129.5509141821.07557Mar 18, 20191,337.372.149%42832.9118442296.41146Mar 15, 20191,309.24-1.483%-29566.8539142525.33875Mar 14, 20191,328.95-0.427%-8514.01865742832.91184Mar 13, 20191,334.651.198%2382.9965543138.89914Mar 12, 20191,318.852.090%41665.7119643555.50387Mar 12, 20191,215.20-0.248%-4943.00019144667.58137Mar 08, 20191,252.922.193%43723.6931445391.95915Mar 06, 20191,252.922.193%43723.6931445391.95915Mar 05, 20191,226.030.946%18859.7242645434.74534Mar 01, 20191,214.54-0.406%5801.96672445587.9443Feb 27, 20191,22.010.266%5310.46004745947.95613Feb 28, 20191,22.07-0.078%-19498.9776646472.72685Feb 27, 20191,22.761.167%-23257.1956549332.81387Feb 22, 20191,22.761.501%2919.4674150043.92392Feb 12, 20191,22.761.501%2919.4674150043.92392Feb 13, 20191,232.761.654%32976.5094451326.50918 </td <td>Mar 27, 2019</td> <td>1,336.58</td> <td>-1.316%</td> <td>-26243.89697</td> <td>39190.14436</td> | Mar 27, 2019 | 1,336.58 | -1.316% | -26243.89697 | 39190.14436 |
| Mar 22, 20191,329.15-2.450%-48839.070740443.16761Mar 20, 20191,362.53-0.080%-1593.53008941665.71196Mar 19, 20191,363.621.963%39129.5509141821.07557Mar 18, 20191,337.372.149%42832.9118442296.41146Mar 15, 20191,309.24-1.483%-29566.8539142525.33875Mar 14, 20191,328.95-0.427%-8514.01865742832.91184Mar 13, 20191,318.852.090%41665.7119643555.50387Mar 12, 20191,318.852.090%41665.7119643555.50387Mar 12, 20191,218.522.920%58208.7376543723.69314Mar 08, 20191,255.20-0.248%-4943.00019144667.58137Mar 06, 20191,255.922.133%43723.6931445391.55915Mar 07, 20191,258.320.431%8592.0649364504.43797Mar 05, 20191,226.030.946%18859.7242645434.74534Mar 01, 20191,214.54-0.406%-8091.96672445587.9443Feb 28, 20191,210.110.266%5310.46004745947.95613Feb 26, 20191,220.73-0.004%-816.506659746536.18223Feb 27, 20191,220.78-1.167%-23257.1956549332.81387Feb 22, 20191,220.761.501%2919.4674150043.92392Feb 13, 20191,227.661.501%2919.4574150043.92392Feb 14, 20191,222.761.654%32976.5094451326.50 | Mar 26, 2019 | 1,354.41 | 3.232% | 64425.21017 | 39649.66545 |
| Mar 20, 20191,362.53-0.080%-1593.53008941665.71196Mar 19, 20191,363.621.963%39129.5509141821.07557Mar 18, 20191,337.372.149%42832.9118442296.41146Mar 15, 20191,309.24-1.483%-29566.8539142525.33875Mar 14, 20191,328.95-0.427%-8514.01865742832.91184Mar 13, 20191,34.651.198%23882.9965543138.98914Mar 12, 20191,318.852.090%41665.7119643555.0387Mar 12, 20191,215.20-0.248%-4943.0019144667.58137Mar 06, 20191,255.20-0.248%-4943.0019144667.58137Mar 06, 20191,252.922.193%43723.6931445391.95915Mar 06, 20191,252.922.193%43723.6931445391.95915Mar 05, 20191,226.030.946%18859.7242645434.74534Mar 01, 20191,214.54-0.406%-8091.96672445587.9443Feb 28, 20191,219.490.617%12303.3258845910.67421Feb 27, 20191,220.73-0.0978%-19498.9776646472.72685Feb 25, 20191,220.73-0.004%-81.650665974653.618223Feb 22, 20191,227.61.501%29919.4674150043.92392Feb 22, 20191,227.61.501%29919.4674150043.92392Feb 19, 20191,224.60-0.328%-6531.6865575053.02433Feb 19, 20191,224.60-0.328%-6531.6865550053.0 | Mar 25, 2019 | 1,312.01 | -1.290% | -25707.74329 | 39741.71769 |
| Mar 19, 20191,363.621.963%39129.5509141821.07557Mar 18, 20191,337.372.149%42832.9118442296.41146Mar 15, 20191,309.24-1.483%-29566.8539142525.3875Mar 14, 20191,328.95-0.427%-8514.01865742832.91184Mar 13, 20191,334.651.198%23882.9965543138.98914Mar 12, 20191,318.852.090%41665.7119643555.0387Mar 11, 20191,291.852.920%58208.7376543723.69314Mar 08, 20191,255.20-0.248%-4943.00019144667.58137Mar 07, 20191,258.320.431%8592.06493645940.43797Mar 06, 20191,25.922.193%43723.6931445391.95915Mar 05, 20191,226.030.946%18859.7242645434.74534Mar 01, 20191,214.54-0.406%-8091.96672445587.9443Feb 28, 20191,212.010.266%5310.46004745947.95613Feb 27, 20191,212.010.266%5310.46004745947.95613Feb 25, 20191,220.73-0.004%-81.6506652549332.81387Feb 22, 20191,220.731.017%22257.1956549332.81387Feb 22, 20191,220.761.501%29919.4674150043.92392Feb 12, 20191,220.761.501%29919.4674150043.92392Feb 12, 20191,220.761.654%32976.5094451326.5018Feb 13, 20191,221.70-1.746%-34807.3749252444.56846< | Mar 22, 2019 | 1,329.15 | -2.450% | -48839.0707 | 40443.16761 |
| Mar 18, 20191,337.372.149%42832.9118442296.41146Mar 15, 20191,309.24-1.483%-29566.8539142525.33875Mar 14, 20191,328.95-0.427%-8514.01865742832.91184Mar 13, 20191,334.651.198%23882.9965543138.98914Mar 12, 20191,318.852.090%41665.7119643555.50387Mar 11, 20191,291.852.920%58208.7376543723.69314Mar 08, 20191,255.20-0.248%-4943.00019144667.58137Mar 07, 20191,258.320.431%8592.06493645040.43797Mar 06, 20191,252.922.193%43723.6931445391.95915Mar 05, 20191,226.030.946%18859.7242645434.74534Mar 01, 20191,214.54-0.406%-8091.96672445587.9443Feb 28, 20191,210.10.266%5310.46004745947.95613Feb 27, 20191,212.010.266%5310.46004745947.95613Feb 25, 20191,220.78-1.167%-23257.1956549332.81387Feb 22, 20191,220.78-1.167%23257.1956549332.81387Feb 21, 20191,22.761.501%29919.4674150043.92392Feb 19, 20191,22.761.501%29919.4674150043.92392Feb 19, 20191,22.761.501%23976.5094451326.50918Feb 15, 20191,22.761.654%32976.5094451326.50918Feb 14, 20191,21.70-1.746%-34807.3749252444.56846 </td <td>Mar 20, 2019</td> <td>1,362.53</td> <td>-0.080%</td> <td>-1593.530089</td> <td>41665.71196</td> | Mar 20, 2019 | 1,362.53 | -0.080% | -1593.530089 | 41665.71196 |
| Mar 15, 20191,309.24-1.483%-29566.8539142525.33875Mar 14, 20191,328.95-0.427%-8514.01865742832.91184Mar 13, 20191,334.651.198%23882.9965543138.98914Mar 12, 20191,318.852.090%41665.7119643555.50387Mar 11, 20191,291.852.920%58208.7376543723.69314Mar 08, 20191,255.20-0.248%-4943.00019144667.58137Mar 07, 20191,258.320.431%8592.06493645040.43797Mar 06, 20191,252.922.193%43723.6931445391.95915Mar 05, 20191,226.030.946%18859.7242645434.74534Mar 01, 20191,214.54-0.406%-8091.96672445587.9443Feb 28, 20191,210.10.266%5310.46004745947.95613Feb 27, 20191,220.73-0.004%-81.6506659746536.18223Feb 25, 20191,220.78-1.167%-23257.1956549332.81387Feb 22, 20191,227.661.501%29919.4674150043.92392Feb 19, 20191,204.68-0.328%-6531.68685550053.02493Feb 19, 20191,208.64-1.957%-39005.5047250287.08002Feb 19, 20191,227.661.654%32976.5094451326.50918Feb 14, 20191,212.70-1.746%-34807.3749252444.56846Feb 14, 20191,214.600.251%5010.04929652852.38941 | Mar 19, 2019 | 1,363.62 | 1.963% | 39129.55091 | 41821.07557 |
| Mar 14, 20191,328.95-0.427%-8514.01865742832.91184Mar 13, 20191,334.651.198%23882.9965543138.98914Mar 12, 20191,318.852.090%41665.7119643555.50387Mar 11, 20191,291.852.920%58208.7376543723.69314Mar 08, 20191,255.20-0.248%-4943.00019144667.58137Mar 07, 20191,258.320.431%8592.06493645040.43797Mar 06, 20191,252.922.193%43723.6931445391.95915Mar 05, 20191,226.030.946%18859.7242645434.74534Mar 01, 20191,214.54-0.406%-8091.96672445587.9443Feb 28, 20191,212.010.266%5310.46004745947.95613Feb 27, 20191,212.010.266%5310.46004745947.95613Feb 25, 20191,220.73-0.004%-81.6506659746536.18223Feb 22, 20191,220.78-1.167%-23257.1956549332.81387Feb 21, 20191,22.761.501%29919.4674150043.92392Feb 19, 20191,22.761.501%29919.4674150043.92392Feb 19, 20191,22.761.654%32976.5094451326.50918Feb 15, 20191,22.70-1.746%-34807.3749252444.56846Feb 14, 20191,21.70-1.746%-34807.3749252444.56846Feb 13, 20191,244.600.251%5010.04929652852.38941 | Mar 18, 2019 | 1,337.37 | 2.149% | 42832.91184 | 42296.41146 |
| Mar 13, 20191,334.651.198%23882.9965543138.98914Mar 12, 20191,318.852.090%41665.7119643555.50387Mar 11, 20191,291.852.920%58208.7376543723.69314Mar 08, 20191,255.20-0.248%-4943.00019144667.58137Mar 07, 20191,258.320.431%8592.06493645040.43797Mar 06, 20191,252.922.193%43723.6931445391.95915Mar 05, 20191,226.030.946%18859.7242645434.74534Mar 01, 20191,214.54-0.406%-8091.96672445587.9443Feb 28, 20191,212.010.266%5310.46004745947.95613Feb 27, 20191,212.010.266%5310.46004745947.95613Feb 25, 20191,220.73-0.004%-81.6506659746536.18223Feb 22, 20191,220.78-1.167%-23257.1956549332.81387Feb 20, 20191,222.761.501%20919.4674150043.92392Feb 19, 20191,20.64-0.328%-6531.68685550053.02493Feb 18, 20191,22.761.654%32976.5094451326.50918Feb 14, 20191,21.70-1.746%-34807.3749252444.56846Feb 13, 20191,24.600.251%5010.04929652852.38941 | Mar 15, 2019 | 1,309.24 | -1.483% | -29566.85391 | 42525.33875 |
| Mar 12, 20191,318.852.090%41665.7119643555.50387Mar 11, 20191,291.852.920%58208.7376543723.69314Mar 08, 20191,255.20-0.248%-4943.00019144667.58137Mar 07, 20191,258.320.431%8592.06493645040.43797Mar 06, 20191,252.922.193%43723.6931445391.95915Mar 05, 20191,226.030.946%18859.7242645434.74534Mar 01, 20191,214.54-0.406%-8091.96672445587.9443Feb 28, 20191,219.490.617%12303.3258845910.67421Feb 27, 20191,212.010.266%5310.46004745947.95613Feb 26, 20191,20.73-0.078%-19498.9776646472.72685Feb 25, 20191,220.78-1.167%-23257.1956549332.81387Feb 20, 20191,222.761.501%20919.4674150043.92392Feb 19, 20191,20.68-0.328%-6531.68685550053.02493Feb 18, 20191,22.761.654%32976.5094451326.50918Feb 15, 20191,21.70-1.746%-34807.3749252444.56846Feb 13, 20191,21.70-1.746%-34807.3749252444.56846Feb 13, 20191,24.600.251%5010.04929652852.38941 | Mar 14, 2019 | 1,328.95 | -0.427% | -8514.018657 | 42832.91184 |
| Mar 11, 20191,291.852.920%58208.7376543723.69314Mar 08, 20191,255.20-0.248%-4943.00019144667.58137Mar 07, 20191,258.320.431%8592.06493645040.43797Mar 06, 20191,252.922.193%43723.6931445391.95915Mar 05, 20191,226.030.946%18859.7242645434.74534Mar 01, 20191,214.54-0.406%-8091.96672445587.9443Feb 28, 20191,219.490.617%12303.3258845910.67421Feb 27, 20191,212.010.266%5310.46004745947.95613Feb 26, 20191,208.79-0.978%-19498.9776646672.72685Feb 25, 20191,220.73-0.004%-81.6506659746536.18223Feb 22, 20191,220.78-1.167%-23257.1956549332.81387Feb 21, 20191,22.761.501%29919.4674150043.92392Feb 19, 20191,22.761.501%23916.5047250287.08002Feb 18, 20191,23.761.654%32976.5094451326.50918Feb 14, 20191,21.70-1.746%-34807.3749252444.56846Feb 13, 20191,24.600.251%5010.04929652852.38941 | Mar 13, 2019 | 1,334.65 | 1.198% | 23882.99655 | 43138.98914 |
| Mar 08, 20191,255.20-0.248%-4943.00019144667.58137Mar 07, 20191,258.320.431%8592.06493645040.43797Mar 06, 20191,252.922.193%43723.6931445391.95915Mar 05, 20191,226.030.946%18859.7242645434.74534Mar 01, 20191,214.54-0.406%-8091.96672445587.9443Feb 28, 20191,219.490.617%12303.3258845910.67421Feb 27, 20191,212.010.266%5310.46004745947.95613Feb 26, 20191,20.73-0.078%-19498.97766466472.72685Feb 25, 20191,220.78-1.167%-23257.1956549332.81387Feb 21, 20191,235.191.017%20265.4866949454.06158Feb 19, 20191,208.64-1.957%-6531.68685550053.02493Feb 18, 20191,232.761.654%32976.5094451326.50918Feb 14, 20191,212.70-1.746%-34807.3749252444.56846Feb 13, 20191,234.25-0.832%-16578.211885281.381112Feb 12, 20191,244.600.251%5010.04929652852.38941 | Mar 12, 2019 | 1,318.85 | 2.090% | 41665.71196 | 43555.50387 |
| Mar 07, 20191,258.320.431%8592.06493645040.43797Mar 06, 20191,252.922.193%43723.6931445391.95915Mar 05, 20191,226.030.946%18859.7242645434.74534Mar 01, 20191,214.54-0.406%-8091.96672445587.9443Feb 28, 20191,219.490.617%12303.3258845910.67421Feb 27, 20191,212.010.266%5310.46004745947.95613Feb 26, 20191,220.73-0.078%-19498.9776646472.72685Feb 25, 20191,220.73-0.004%-81.6506659746536.18223Feb 22, 20191,220.78-1.167%-23257.1956549332.81387Feb 21, 20191,222.761.501%29919.4674150043.92392Feb 19, 20191,208.64-0.328%-6531.68685550053.02493Feb 18, 20191,232.761.654%32976.5094451326.50918Feb 14, 20191,212.70-1.746%-34807.3749252444.56846Feb 13, 20191,234.25-0.832%-16578.2118852813.81112Feb 12, 20191,244.600.251%5010.04929652852.38941 | Mar 11, 2019 | 1,291.85 | 2.920% | 58208.73765 | 43723.69314 |
| Mar 06, 20191,252.922.193%43723.6931445391.95915Mar 05, 20191,226.030.946%18859.7242645434.74534Mar 01, 20191,214.54-0.406%-8091.96672445587.9443Feb 28, 20191,219.490.617%12303.3258845910.67421Feb 27, 20191,212.010.266%5310.46004745947.95613Feb 26, 20191,208.79-0.978%-19498.9776646472.72685Feb 25, 20191,220.73-0.004%-81.6506659746536.18223Feb 22, 20191,220.78-1.167%-23257.1956549332.81387Feb 21, 20191,22.761.501%29919.4674150043.92392Feb 19, 20191,208.64-0.328%-6531.68685550053.02493Feb 18, 20191,23.761.654%32976.5094451326.50918Feb 14, 20191,212.70-1.746%-34807.3749252444.56846Feb 13, 20191,234.25-0.832%-16578.2118852813.81112Feb 12, 20191,24.600.251%5010.04929652852.38941 | Mar 08, 2019 | 1,255.20 | -0.248% | -4943.000191 | 44667.58137 |
| Mar 05, 20191,226.030.946%18859.7242645434.74534Mar 01, 20191,214.54-0.406%-8091.96672445587.9443Feb 28, 20191,219.490.617%12303.3258845910.67421Feb 27, 20191,212.010.266%5310.46004745947.95613Feb 26, 20191,208.79-0.978%-19498.9776646472.72685Feb 25, 20191,220.73-0.004%-81.6506659746536.18223Feb 22, 20191,220.78-1.167%-23257.1956549332.81387Feb 21, 20191,235.191.017%20265.4866949454.06158Feb 20, 20191,222.761.501%29919.4674150043.92392Feb 19, 20191,208.64-1.957%-39005.5047250287.08002Feb 15, 20191,232.761.654%32976.5094451326.50918Feb 14, 20191,212.70-1.746%-34807.3749252444.56846Feb 13, 20191,234.25-0.832%-16578.2118852813.81112Feb 12, 20191,244.600.251%5010.04929652852.38941 | Mar 07, 2019 | 1,258.32 | 0.431% | 8592.064936 | 45040.43797 |
| Mar 01, 20191,214.54-0.406%-8091.96672445587.9443Feb 28, 20191,219.490.617%12303.3258845910.67421Feb 27, 20191,212.010.266%5310.46004745947.95613Feb 26, 20191,208.79-0.978%-19498.9776646472.72685Feb 25, 20191,220.73-0.004%-81.6506659746536.18223Feb 22, 20191,220.78-1.167%-23257.1956549332.81387Feb 21, 20191,235.191.017%20265.4866949454.06158Feb 20, 20191,222.761.501%29919.4674150043.92392Feb 19, 20191,208.64-0.328%-6531.68685550053.02493Feb 18, 20191,22.761.654%32976.5094451326.50918Feb 14, 20191,212.70-1.746%-34807.3749252444.56846Feb 13, 20191,244.600.251%5010.04929652852.38941 | Mar 06, 2019 | 1,252.92 | 2.193% | 43723.69314 | 45391.95915 |
| Feb 28, 20191,219.490.617%12303.3258845910.67421Feb 27, 20191,212.010.266%5310.46004745947.95613Feb 26, 20191,208.79-0.978%-19498.9776646472.72685Feb 25, 20191,220.73-0.004%-81.6506659746536.18223Feb 22, 20191,220.78-1.167%-23257.1956549332.81387Feb 21, 20191,225.191.017%20265.4866949454.06158Feb 20, 20191,222.761.501%29919.4674150043.92392Feb 19, 20191,208.64-0.328%-6531.68685550053.02493Feb 18, 20191,232.761.654%32976.5094451326.50918Feb 14, 20191,212.70-1.746%-34807.3749252444.568466Feb 13, 20191,234.25-0.832%-16578.2118852813.81112Feb 12, 20191,244.600.251%5010.04929652852.38941 | Mar 05, 2019 | 1,226.03 | 0.946% | 18859.72426 | 45434.74534 |
| Feb 27, 20191,212.010.266%5310.46004745947.95613Feb 26, 20191,208.79-0.978%-19498.9776646472.72685Feb 25, 20191,220.73-0.004%-81.6506659746536.18223Feb 22, 20191,220.78-1.167%-23257.1956549332.81387Feb 21, 20191,235.191.017%20265.4866949454.06158Feb 20, 20191,222.761.501%29919.4674150043.92392Feb 19, 20191,204.68-0.328%-6531.68685550053.02493Feb 18, 20191,208.64-1.957%-39005.5047250287.08002Feb 15, 20191,232.761.654%32976.5094451326.50918Feb 14, 20191,212.70-1.746%-34807.3749252444.56846Feb 13, 20191,234.25-0.832%-16578.2118852813.81112Feb 12, 20191,244.600.251%5010.04929652852.38941 | Mar 01, 2019 | 1,214.54 | -0.406% | -8091.966724 | 45587.9443 |
| Feb 26, 20191,208.79-0.978%-19498.9776646472.72685Feb 25, 20191,220.73-0.004%-81.6506659746536.18223Feb 22, 20191,220.78-1.167%-23257.1956549332.81387Feb 21, 20191,235.191.017%20265.4866949454.06158Feb 20, 20191,222.761.501%29919.4674150043.92392Feb 19, 20191,204.68-0.328%-6531.68685550053.02493Feb 18, 20191,208.64-1.957%-39005.5047250287.08002Feb 15, 20191,232.761.654%32976.5094451326.50918Feb 14, 20191,212.70-1.746%-34807.3749252444.56846Feb 13, 20191,234.25-0.832%-16578.2118852813.81112Feb 12, 20191,244.600.251%5010.04929652852.38941 | Feb 28, 2019 | 1,219.49 | 0.617% | 12303.32588 | 45910.67421 |
| Feb 25, 20191,220.73-0.004%-81.6506659746536.18223Feb 22, 20191,220.78-1.167%-23257.1956549332.81387Feb 21, 20191,235.191.017%20265.4866949454.06158Feb 20, 20191,222.761.501%29919.4674150043.92392Feb 19, 20191,204.68-0.328%-6531.68685550053.02493Feb 18, 20191,208.64-1.957%-39005.5047250287.08002Feb 15, 20191,232.761.654%32976.5094451326.50918Feb 14, 20191,212.70-1.746%-34807.3749252444.56846Feb 13, 20191,234.25-0.832%-16578.2118852813.81112Feb 12, 20191,244.600.251%5010.04929652852.38941 | Feb 27, 2019 | 1,212.01 | 0.266% | 5310.460047 | 45947.95613 |
| Feb 22, 20191,220.78-1.167%-23257.1956549332.81387Feb 21, 20191,235.191.017%20265.4866949454.06158Feb 20, 20191,222.761.501%29919.4674150043.92392Feb 19, 20191,204.68-0.328%-6531.68685550053.02493Feb 18, 20191,208.64-1.957%-39005.5047250287.08002Feb 15, 20191,232.761.654%32976.5094451326.50918Feb 14, 20191,212.70-1.746%-34807.3749252444.56846Feb 13, 20191,234.25-0.832%-16578.2118852813.81112Feb 12, 20191,244.600.251%5010.04929652852.38941 | Feb 26, 2019 | 1,208.79 | -0.978% | -19498.97766 | 46472.72685 |
| Feb 21, 20191,235.191.017%20265.4866949454.06158Feb 20, 20191,222.761.501%29919.4674150043.92392Feb 19, 20191,204.68-0.328%-6531.68685550053.02493Feb 18, 20191,208.64-1.957%-39005.5047250287.08002Feb 15, 20191,232.761.654%32976.5094451326.50918Feb 14, 20191,212.70-1.746%-34807.3749252444.56846Feb 13, 20191,234.25-0.832%-16578.2118852813.81112Feb 12, 20191,244.600.251%5010.04929652852.38941 | | 1,220.73 | -0.004% | -81.65066597 | 46536.18223 |
| Feb 20, 20191,222.761.501%29919.4674150043.92392Feb 19, 20191,204.68-0.328%-6531.68685550053.02493Feb 18, 20191,208.64-1.957%-39005.5047250287.08002Feb 15, 20191,232.761.654%32976.5094451326.50918Feb 14, 20191,212.70-1.746%-34807.3749252444.56846Feb 13, 20191,234.25-0.832%-16578.2118852813.81112Feb 12, 20191,244.600.251%5010.04929652852.38941 | Feb 22, 2019 | 1,220.78 | -1.167% | -23257.19565 | 49332.81387 |
| Feb 19, 20191,204.68-0.328%-6531.68685550053.02493Feb 18, 20191,208.64-1.957%-39005.5047250287.08002Feb 15, 20191,232.761.654%32976.5094451326.50918Feb 14, 20191,212.70-1.746%-34807.3749252444.56846Feb 13, 20191,234.25-0.832%-16578.2118852813.81112Feb 12, 20191,244.600.251%5010.04929652852.38941 | Feb 21, 2019 | 1,235.19 | 1.017% | 20265.48669 | 49454.06158 |
| Feb 18, 20191,208.64-1.957%-39005.5047250287.08002Feb 15, 20191,232.761.654%32976.5094451326.50918Feb 14, 20191,212.70-1.746%-34807.3749252444.56846Feb 13, 20191,234.25-0.832%-16578.2118852813.81112Feb 12, 20191,244.600.251%5010.04929652852.38941 | Feb 20, 2019 | 1,222.76 | 1.501% | 29919.46741 | 50043.92392 |
| Feb 15, 20191,232.761.654%32976.5094451326.50918Feb 14, 20191,212.70-1.746%-34807.3749252444.56846Feb 13, 20191,234.25-0.832%-16578.2118852813.81112Feb 12, 20191,244.600.251%5010.04929652852.38941 | Feb 19, 2019 | 1,204.68 | -0.328% | -6531.686855 | 50053.02493 |
| Feb 14, 20191,212.70-1.746%-34807.3749252444.56846Feb 13, 20191,234.25-0.832%-16578.2118852813.81112Feb 12, 20191,244.600.251%5010.04929652852.38941 | Feb 18, 2019 | 1,208.64 | -1.957% | -39005.50472 | 50287.08002 |
| Feb 13, 20191,234.25-0.832%-16578.2118852813.81112Feb 12, 20191,244.600.251%5010.04929652852.38941 | | 1,232.76 | 1.654% | 32976.50944 | 51326.50918 |
| Feb 12, 2019 1,244.60 0.251% 5010.049296 52852.38941 | Feb 14, 2019 | 1,212.70 | -1.746% | -34807.37492 | 52444.56846 |
| | Feb 13, 2019 | 1,234.25 | -0.832% | -16578.21188 | 52813.81112 |
| | Feb 12, 2019 | 1,244.60 | 0.251% | 5010.049296 | 52852.38941 |
| Feb 11, 2019 1,241.48 -1.914% -38147.88734 53519.45609 | Feb 11, 2019 | 1,241.48 | -1.914% | -38147.88734 | 53519.45609 |
| Feb 08, 2019 1,265.70 -0.984% -19619.22192 53631.36491 | Feb 08, 2019 | 1,265.70 | -0.984% | -19619.22192 | 53631.36491 |
| Feb 07, 2019 1,278.28 -1.515% -30211.58635 53735.06712 | Feb 07, 2019 | 1,278.28 | -1.515% | -30211.58635 | 53735.06712 |



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|--------------|----------|---------|--------------|--------------------------------|
| Feb 06, 2019 | 1,297.95 | 1.448% | 28872.83417 | 54550.96318 |
| Feb 05, 2019 | 1,279.42 | 0.050% | 997.7259576 | 55862.73975 |
| Feb 04, 2019 | 1,278.78 | 3.277% | 65318.7452 | 57179.49417 |
| Feb 01, 2019 | 1,238.21 | 1.857% | 37029.65458 | 58208.73765 |
| Jan 31, 2019 | 1,215.63 | 2.631% | 52444.56846 | 58792.92312 |
| Jan 30, 2019 | 1,184.47 | -1.235% | -24618.50068 | 58855.5443 |
| Jan 29, 2019 | 1,199.28 | -1.537% | -30639.78325 | 59705.58399 |
| Jan 28, 2019 | 1,218.00 | -1.321% | -26326.55351 | 60452.42273 |
| Jan 25, 2019 | 1,234.30 | -0.117% | -2323.071196 | 62143.83551 |
| Jan 24, 2019 | 1,235.74 | 1.725% | 34380.32294 | 62616.21742 |
| Jan 23, 2019 | 1,214.79 | -0.716% | -14272.81108 | 63056.5942 |
| Jan 22, 2019 | 1,223.55 | -0.206% | -4113.66428 | 63058.57663 |
| Jan 21, 2019 | 1,226.08 | 4.505% | 89802.61117 | 63546.88284 |
| Jan 18, 2019 | 1,173.23 | 4.398% | 87685.68829 | 64425.21017 |
| Jan 17, 2019 | 1,123.80 | -0.127% | -2533.505594 | 65318.7452 |
| Jan 16, 2019 | 1,125.23 | 0.553% | 11027.3757 | 66248.55629 |
| Jan 15, 2019 | 1,119.04 | 2.995% | 59705.58399 | 67027.60101 |
| Jan 14, 2019 | 1,086.50 | -0.114% | -2272.603747 | 67658.31172 |
| Jan 11, 2019 | 1,087.74 | -0.853% | -17008.13782 | 69053.64822 |
| Jan 10, 2019 | 1,097.10 | -0.293% | -5833.967391 | 70498.28892 |
| Jan 09, 2019 | 1,100.32 | 0.552% | 11003.62065 | 71249.98322 |
| Jan 08, 2019 | 1,094.28 | -0.009% | -182.162503 | 72554.64329 |
| Jan 07, 2019 | 1,094.38 | 0.556% | 11082.09596 | 73863.22285 |
| Jan 04, 2019 | 1,088.33 | 0.539% | 10755.14046 | 75612.13939 |
| Jan 03, 2019 | 1,082.49 | -1.234% | -24591.74278 | 76167.11452 |
| Jan 02, 2019 | 1,096.01 | -1.302% | -25959.03806 | 77185.71084 |
| Jan 01, 2019 | 1,110.47 | -0.023% | -448.7066948 | 79323.9872 |
| Dec 31, 2018 | 1,110.72 | -0.382% | -7616.749179 | 85591.47755 |
| Dec 28, 2018 | 1,114.98 | 0.478% | 9521.497188 | 87685.68829 |
| Dec 27, 2018 | 1,109.68 | 1.989% | 39649.66545 | 89802.61117 |
| Dec 26, 2018 | 1,088.04 | 0.845% | 16851.2735 | 92016.10713 |
| Dec 24, 2018 | 1,078.92 | -1.005% | -20029.33607 | 95501.15506 |
| Dec 21, 2018 | 1,089.87 | -2.503% | -49898.93903 | 124604.3994 |
| Dec 20, 2018 | 1,117.85 | -0.735% | -14657.80505 | 127312.8774 |
| Dec 19, 2018 | 1,126.13 | 0.036% | 708.3581321 | 133829.0659 |
| Dec 18, 2018 | 1,125.73 | 0.575% | 11470.18378 | 140511.0403 |
| Dec 17, 2018 | 1,119.29 | 1.591% | 31719.18703 | 140798.7635 |
| Dec 14, 2018 | 1,101.76 | 0.466% | 9289.235855 | 161160.4436 |
| Dec 13, 2018 | 1,096.65 | -0.311% | -6197.733781 | 193243.7256 |
| Dec 12, 2018 | 1,100.07 | 1.180% | 23524.93148 | 203416.1671 |
| Dec 11, 2018 | 1,087.24 | 0.669% | 13345.58615 | 217780.0089 |
| Dec 10, 2018 | 1,080.01 | -3.841% | -76571.91559 | 238031.3605 |
| Dec 07, 2018 | 1,123.15 | 0.903% | 17999.44075 | 293420.081 |
| | | | | |



What are the steps in Historical Simulation? I had clearly dictated in class.-

Suppose, we are holding 1000 shares of Reliance Industries trading at Rs. 1993.55. So, the value of our position is Rs. 19,93,550. Now, we want to find out the 95% daily VaR.

- **Step 1** We go to the NSE website and extract say 501 days historical data for the closing price of Reliance Industries, giving us 500 daily percentage returns.
- **Step 2** We apply these percentages on Rs. 19,93,550 Portfolio value getting 500 possible gains/losses which can occur between today and tomorrow.
- **Step 3** We arrange them from worst to best, and slice out 5%, giving us the 95% daily VaR. It comes to -Rs. (61041.763). Please check the attached Excel sheet. (Sheet 1)

Thus, historical simulation does not assume any distribution and that's the best part of historical simulation. Is it given in the ICAI mat? Yes, but in a very bad manner – You know the cut-copy-paste stuff. How will students then know it? If students have done my classes ardently, they will know the same and remember the same for the exam. However, if students are in their own world and not wanting to apply their brains and just wander around YouTube stuff, they will get "garbage". You may check out YouTube videos and you'll find that according to YouTubers, Option A is a correct statement. This means, according to those YouTubers, Historical Simulation assumes Normal distribution. And when somebody pointed out to them, they mention that " Yes! We did it wrong and we'll rectify it when taking proper classes." Every person, including myself can commit mistakes. However, just imagine that there is a CA Final Cost teacher and he writes –

Contribution = Sales – Fixed Cost.

Is it possible that a person can be a Cost teacher if he writes this? – It's not a mistake! It's out of the world **blunder** and a mockery of CA Final and a deep disrespect to where we are heading towards. If students can rely on these people to prepare them for CA Final, I have only one thing to say – RIP!!



Option B. Assumption of constant correlation is not required.

The statement is correct. Yes, because Historical Simulation does not assume any correlation. Correlation constancy is assumed by Delta Normal method. Hope you remember –

VaR of Portfolio = SQRT(VaR²A + VaR²B + $2 \times r \times VaR A \times VaR B$)

Option C. Assumption of constant delta is not needed.

The statement is correct. We don't need any assumption in Historical Simulation. The delta normal method assumes constant delta. Remember linear derivatives discussed in class?

Option D. It is one of the method of calculation of VaR.

The statement is correct. Obviously, delta normal method, Historical Simulation, Bootstrap Simulation and Monte Carlo Simulation are methods of calculating VaR **as per Page 5.4 and 5.5 of ICAI Study Mat.**

Sanjay Sir's Comment :

I think I have said enough. **Average Performance would be good**. In fact, the YouTuber had mentioned Option B or C as the correct answer and referred that this is "conceptual"......are you getting it?



3.4. Option A. ERM decisions are always ignored across a business when a topdown approach is used.

It seems to be incorrect. If ERM is implemented via a Top down approach , it cannot be ignored.

Option B. Financial constraints could compromise the implementation of ERM systems.

It is difficult to say whether its correct or incorrect. Many articles have stated that insufficient capital is one of the reasons for ERM failure but then ICAI study mat pg no 9.15 talks about leveraging existing resources for implementing ERM.

Option C. Management can never override ERM decisions.

This statement is correct. It is good that management cannot override ERM. We know fully well that failure occurs when ERM decisions are not respected by management.

Option D. The use of ERM systems do not give the required assistance to risk managers.

This option doesn't seem to fit in over here given what has been asked in the question.So if the question was to choose the odd one out, we could have taken this.

So I think answer should be Option B but I would like to wait for ICAI answer to this.

Sanjay Sir's Comment :

The question could have been more nicely designed. That's the problem with ICAI. Based on luck, people must've tried – hence, **Average Performance would have been average**



3.5. Let me first of all make you revise MCS.

Suppose, we are holding 1000 shares of Reliance Industries trading at Rs. 1993.55. So, the value of our position is Rs. 19,93,550. Now, we want to find out the 95% daily VaR using Monte Carlo Simulation.

- Step 1 Extract Historical data from the NSE Website of RIL for say 501 days, with respect to their Closing Price and calculate the daily returns of the same. (Same as Historical Simulation)
- Step 2 Calculate the Mean and Standard Deviation (=average , =stdev:s) of the daily
- Step 3 Simulate the daily returns using the Normal Distribution assumption and the Mean&SD calculated above. (Excel command : NORMINV(RAND(), MEAN,SD))
- Step 4 Apply the simulated returns on the Portfolio Value i.e. Rs.19,93,550 and you get Portfolio Gains/Losses (Simulated)
- Step 5 Arrange the Simulated Portfolio Gains/Losses form Worst to best and slice out the 95% VaR.

| Calculation of 95% VaR using Monte Carlo Simulation method $$ | | | | | |
|---------------------------------------------------------------|---------------------------------|--|--|--|--|
| Stock | Reliance Industries Ltd. | | | | |
| Date | 12/14/2020 | | | | |
| Quantity | 1000 | | | | |
| Price | 1,993.55 | | | | |
| Portfolio Value | 1993550 | | | | |
| Mean | 0.145% | | | | |
| SD | 2.407% | | | | |
| 95% VaR | -75211.2754 | | | | |

| Date | Price | Returns | Simulated Returns | Simulated Gains/Losses | Worst To Best |
|--------------|----------|---------|-------------------|------------------------|---------------|
| Dec 14, 2020 | 1,993.55 | -0.611% | 2.581% | 51444.42906 | -180519.0997 |
| Dec 11, 2020 | 2,005.80 | -0.060% | 2.280% | 45459.67559 | -119979.0305 |
| Dec 10, 2020 | 2,007.00 | -0.984% | 3.200% | 63794.37724 | -116492.3922 |
| Dec 09, 2020 | 2,026.95 | 1.665% | -3.379% | -67363.40501 | -113231.7918 |
| Dec 08, 2020 | 1,993.75 | 1.815% | 0.574% | 11448.56596 | -100989.1328 |
| Dec 07, 2020 | 1,958.20 | 0.588% | 1.293% | 25769.28154 | -100236.8549 |
| Dec 04, 2020 | 1,946.75 | -0.881% | -0.154% | -3079.958347 | -99031.28777 |
| Dec 03, 2020 | 1,964.05 | 0.301% | -3.181% | -63418.00376 | -90918.97549 |



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|--------------|----------|---------|-------------|--------------|--------------------------------|
| Dec 02, 2020 | 1,958.15 | 0.166% | -1.058% | -21095.6742 | -90433.18524 |
| Dec 01, 2020 | 1,954.90 | 1.301% | 0.767% | 15289.66897 | -90327.12312 |
| Nov 27, 2020 | 1,929.80 | -1.168% | 3.804% | 75842.69106 | -86623.47854 |
| Nov 26, 2020 | 1,952.60 | 0.246% | -0.001% | -18.58412153 | -86600.93674 |
| Nov 25, 2020 | 1,947.80 | -0.827% | -1.065% | -21229.8765 | -85995.20591 |
| Nov 24, 2020 | 1,964.05 | 0.684% | -1.089% | -21701.69146 | -84553.94146 |
| Nov 23, 2020 | 1,950.70 | 2.695% | 2.518% | 50189.47391 | -83768.76347 |
| Nov 20, 2020 | 1,899.50 | -3.733% | 2.946% | 58734.85672 | -82317.24731 |
| Nov 19, 2020 | 1,973.15 | -0.707% | 0.776% | 15461.7814 | -81816.93268 |
| Nov 18, 2020 | 1,987.20 | -0.304% | -2.247% | -44799.95993 | -81594.45415 |
| Nov 17, 2020 | 1,993.25 | -0.158% | -0.255% | -5079.063413 | -81457.18843 |
| Nov 13, 2020 | 1,996.40 | 0.828% | -1.310% | -26120.86408 | -80282.45507 |
| Nov 12, 2020 | 1,980.00 | -0.861% | 2.586% | 51552.99008 | -77090.93374 |
| Nov 11, 2020 | 1,997.20 | -4.190% | 0.150% | 2996.956885 | -76638.11981 |
| Nov 10, 2020 | 2,084.55 | 1.651% | 4.147% | 82666.833 | -75747.84926 |
| Nov 09, 2020 | 2,050.70 | 1.062% | 0.730% | 14553.78268 | -75300.1378 |
| Nov 06, 2020 | 2,029.15 | 3.793% | 0.289% | 5760.50235 | -75211.2754 |
| Nov 05, 2020 | 1,955.00 | 2.185% | 0.259% | 5165.58127 | -72328.16979 |
| Nov 04, 2020 | 1,913.20 | 3.394% | -3.072% | -61248.81548 | -71357.32259 |
| Nov 03, 2020 | 1,850.40 | -1.441% | 1.608% | 32061.85432 | -70962.44367 |
| Nov 02, 2020 | 1,877.45 | -8.618% | 1.677% | 33432.78182 | -70910.7992 |
| Oct 30, 2020 | 2,054.50 | 1.362% | -2.259% | -45025.08749 | -69201.12303 |
| Oct 29, 2020 | 2,026.90 | 0.768% | -4.167% | -83064.59715 | -68524.09027 |
| Oct 28, 2020 | 2,011.45 | -1.133% | -3.160% | -62996.53789 | -68290.17506 |
| Oct 27, 2020 | 2,034.50 | 0.266% | 0.015% | 290.8376065 | -67694.25055 |
| Oct 26, 2020 | 2,029.10 | -3.973% | 0.731% | 14577.89197 | -67690.6652 |
| Oct 23, 2020 | 2,113.05 | 0.290% | -0.843% | -16805.82035 | -67671.36147 |
| Oct 22, 2020 | 2,106.95 | -0.831% | 0.870% | 17340.57237 | -66259.07256 |
| Oct 21, 2020 | 2,124.60 | -1.452% | 2.776% | 55337.83205 | -65746.98721 |
| Oct 20, 2020 | 2,155.90 | -0.933% | 2.831% | 56444.77132 | -65315.16764 |
| Oct 19, 2020 | 2,176.20 | 0.018% | 0.334% | 6656.010983 | -65179.80134 |
| Oct 16, 2020 | 2,175.80 | -1.391% | 1.299% | 25898.61058 | -64638.27695 |
| Oct 15, 2020 | 2,206.50 | -3.541% | 0.289% | 5758.277928 | -64605.66684 |
| Oct 14, 2020 | 2,287.50 | 0.298% | 3.208% | 63959.84219 | -64501.75467 |
| Oct 13, 2020 | 2,280.70 | 1.951% | -0.624% | -12447.59052 | -64448.01987 |
| Oct 12, 2020 | 2,237.05 | 0.161% | 1.516% | 30224.87748 | -63867.83986 |
| Oct 09, 2020 | 2,233.45 | -0.259% | 5.005% | 99768.65924 | -63548.53446 |
| Oct 08, 2020 | 2,239.25 | -0.808% | 1.365% | 27221.56357 | -61802.6751 |
| Oct 07, 2020 | 2,257.50 | 2.133% | 2.170% | 43257.56903 | -60224.07327 |
| Oct 06, 2020 | 2,210.35 | -0.084% | -2.680% | -53424.04308 | -60187.11635 |
| Oct 05, 2020 | 2,212.20 | -0.586% | -1.427% | -28441.34916 | -60103.96691 |
| Oct 01, 2020 | 2,225.25 | -0.407% | 0.940% | 18747.35813 | -59438.79214 |
| Sep 30, 2020 | 2,234.35 | -0.477% | -1.395% | -27812.96025 | -59341.60454 |



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|--------------|----------|---------|---------|--------------|--------------------------------|
| Sep 29, 2020 | 2,245.05 | 1.299% | 2.280% | 45462.74371 | -58708.28964 |
| Sep 28, 2020 | 2,216.25 | 0.661% | 1.309% | 26091.76057 | -58645.11336 |
| Sep 25, 2020 | 2,201.70 | 0.940% | 2.286% | 45573.48067 | -58607.40017 |
| Sep 24, 2020 | 2,181.20 | -2.223% | -2.547% | -50774.92724 | -58169.5451 |
| Sep 23, 2020 | 2,230.80 | 0.889% | 0.661% | 13183.49693 | -57019.79081 |
| Sep 22, 2020 | 2,211.15 | -1.982% | 2.839% | 56606.78826 | -56719.77109 |
| Sep 21, 2020 | 2,255.85 | -2.162% | -0.197% | -3923.048468 | -56417.7709 |
| Sep 18, 2020 | 2,305.70 | 0.302% | 3.449% | 68756.60227 | -55844.87187 |
| Sep 17, 2020 | 2,298.75 | -1.110% | -0.616% | -12290.16331 | -55500.74459 |
| Sep 16, 2020 | 2,324.55 | 0.246% | 4.619% | 92077.85106 | -55056.63765 |
| Sep 15, 2020 | 2,318.85 | 0.708% | -0.913% | -18191.64699 | -54628.61786 |
| Sep 14, 2020 | 2,302.55 | -0.741% | 0.542% | 10809.58802 | -54280.06945 |
| Sep 11, 2020 | 2,319.75 | 0.248% | -0.584% | -11638.04954 | -53438.7778 |
| Sep 10, 2020 | 2,314.00 | 7.063% | -0.648% | -12925.91708 | -52885.44334 |
| Sep 09, 2020 | 2,161.35 | 2.575% | -0.928% | -18508.18473 | -52871.30059 |
| Sep 08, 2020 | 2,107.10 | 1.174% | 3.063% | 61055.668 | -52829.03333 |
| Sep 07, 2020 | 2,082.65 | 0.260% | 2.289% | 45627.40689 | -52357.63718 |
| Sep 04, 2020 | 2,077.25 | -1.650% | 2.571% | 51244.78065 | -52234.47362 |
| Sep 03, 2020 | 2,112.10 | -0.757% | -3.011% | -60020.61142 | -52106.14113 |
| Sep 02, 2020 | 2,128.20 | 1.962% | -2.293% | -45716.58601 | -51507.51668 |
| Sep 01, 2020 | 2,087.25 | 0.315% | 0.785% | 15657.39462 | -51242.71021 |
| Aug 31, 2020 | 2,080.70 | -1.675% | 1.673% | 33351.2088 | -49358.21942 |
| Aug 28, 2020 | 2,116.15 | 0.263% | -1.181% | -23534.03445 | -49331.97475 |
| Aug 27, 2020 | 2,110.60 | -1.249% | 0.230% | 4579.61056 | -48978.32306 |
| Aug 26, 2020 | 2,137.30 | 2.651% | 0.773% | 15401.04111 | -48451.79768 |
| Aug 25, 2020 | 2,082.10 | -0.651% | 1.321% | 26335.50685 | -48418.37869 |
| Aug 24, 2020 | 2,095.75 | 0.668% | 1.360% | 27122.1828 | -47857.96812 |
| Aug 21, 2020 | 2,081.85 | -0.725% | 0.298% | 5943.011111 | -47140.83487 |
| Aug 20, 2020 | 2,097.05 | -1.619% | -3.664% | -73040.81468 | -46869.77924 |
| Aug 19, 2020 | 2,131.55 | 0.614% | -0.857% | -17085.61092 | -46434.41047 |
| Aug 18, 2020 | 2,118.55 | 1.301% | -2.765% | -55123.57878 | -46252.95539 |
| Aug 17, 2020 | 2,091.35 | -1.062% | 1.841% | 36695.16332 | -46203.80242 |
| Aug 14, 2020 | 2,113.80 | -0.389% | -3.086% | -61522.05347 | -45212.63986 |
| Aug 13, 2020 | 2,122.05 | -0.261% | 2.422% | 48293.4918 | -45068.80086 |
| Aug 12, 2020 | 2,127.60 | -0.291% | 4.142% | 82579.56961 | -44072.21285 |
| Aug 11, 2020 | 2,133.80 | 0.658% | -1.088% | -21698.49556 | -43776.63472 |
| Aug 10, 2020 | 2,119.85 | -1.239% | -2.038% | -40621.03026 | -43577.05711 |
| Aug 07, 2020 | 2,146.45 | 0.579% | -3.427% | -68317.22401 | -43505.35169 |
| Aug 06, 2020 | 2,134.10 | 0.360% | 1.402% | 27952.00794 | -43030.30544 |
| Aug 05, 2020 | 2,126.45 | -1.123% | -1.436% | -28624.89372 | -42994.46558 |
| Aug 04, 2020 | 2,150.60 | 7.048% | 1.000% | 19932.32733 | -42900.06916 |
| Aug 03, 2020 | 2,009.00 | -2.811% | -1.505% | -30006.71924 | -42664.69915 |
| Jul 31, 2020 | 2,067.10 | -1.980% | -4.410% | -87915.60533 | -42603.30537 |



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|--------------|----------|---------|---------|--------------|--------------------------------|
| Jul 30, 2020 | 2,108.85 | 0.582% | 1.002% | 19967.65306 | -42481.51992 |
| Jul 29, 2020 | 2,096.65 | -3.722% | 0.748% | 14921.6755 | -41695.70575 |
| Jul 28, 2020 | 2,177.70 | 0.997% | -1.842% | -36716.16647 | -41491.05211 |
| Jul 27, 2020 | 2,156.20 | 0.468% | 2.105% | 41964.56829 | -41273.70817 |
| Jul 24, 2020 | 2,146.15 | 4.293% | -1.212% | -24155.87896 | -41266.82684 |
| Jul 23, 2020 | 2,057.80 | 2.685% | -0.100% | -1992.626646 | -40905.89569 |
| Jul 22, 2020 | 2,004.00 | 1.646% | -3.480% | -69371.01219 | -40750.27225 |
| Jul 21, 2020 | 1,971.55 | 2.690% | -3.138% | -62567.12695 | -40669.96516 |
| Jul 20, 2020 | 1,919.90 | 0.429% | 1.647% | 32827.99576 | -40461.48516 |
| Jul 17, 2020 | 1,911.70 | 3.705% | 0.388% | 7743.765629 | -40365.4296 |
| Jul 16, 2020 | 1,843.40 | -0.033% | -1.165% | -23223.05724 | -39996.41486 |
| Jul 15, 2020 | 1,844.00 | -3.808% | 3.000% | 59797.82221 | -39620.21109 |
| Jul 14, 2020 | 1,917.00 | -0.930% | 1.297% | 25854.48906 | -39407.61625 |
| Jul 13, 2020 | 1,935.00 | 3.032% | -0.744% | -14835.27814 | -39215.08355 |
| Jul 10, 2020 | 1,878.05 | 2.949% | 0.002% | 48.01262361 | -39188.24782 |
| Jul 09, 2020 | 1,824.25 | 1.460% | 1.951% | 38903.20012 | -38623.97371 |
| Jul 08, 2020 | 1,798.00 | -1.396% | 3.687% | 73497.56303 | -38191.28294 |
| Jul 07, 2020 | 1,823.45 | -1.531% | 2.081% | 41476.23989 | -37844.10664 |
| Jul 06, 2020 | 1,851.80 | 3.574% | 2.333% | 46518.89983 | -37588.68072 |
| Jul 03, 2020 | 1,787.90 | 1.565% | 2.632% | 52470.83723 | -37318.88511 |
| Jul 02, 2020 | 1,760.35 | 1.309% | -0.068% | -1347.205805 | -36796.62471 |
| Jul 01, 2020 | 1,737.60 | 1.966% | 4.945% | 98576.68477 | -36767.90128 |
| Jun 30, 2020 | 1,704.10 | -1.106% | -0.182% | -3627.919519 | -35427.33063 |
| Jun 29, 2020 | 1,723.15 | -1.062% | 2.503% | 49902.572 | -34420.21649 |
| Jun 26, 2020 | 1,741.65 | 1.383% | -4.681% | -93310.32733 | -33562.83297 |
| Jun 25, 2020 | 1,717.90 | -0.576% | -2.560% | -51043.25979 | -33428.95186 |
| Jun 24, 2020 | 1,727.85 | 0.404% | 2.498% | 49796.84557 | -33140.5952 |
| Jun 23, 2020 | 1,720.90 | -1.446% | 4.691% | 93519.34933 | -32991.30495 |
| Jun 22, 2020 | 1,746.15 | -0.753% | -1.345% | -26818.11871 | -32894.66619 |
| Jun 19, 2020 | 1,759.40 | 6.250% | 0.045% | 890.0558777 | -32734.9498 |
| Jun 18, 2020 | 1,655.90 | 2.510% | 2.465% | 49145.87475 | -32363.37313 |
| Jun 17, 2020 | 1,615.35 | -0.145% | -2.780% | -55427.99335 | -31348.42971 |
| Jun 16, 2020 | 1,617.70 | 0.195% | 4.650% | 92709.29075 | -30869.97573 |
| Jun 15, 2020 | 1,614.55 | 1.621% | 5.077% | 101210.9113 | -29877.14521 |
| Jun 12, 2020 | 1,588.80 | 3.323% | -4.058% | -80894.87388 | -29478.92825 |
| Jun 11, 2020 | 1,537.70 | -2.191% | -2.143% | -42723.94525 | -29274.62469 |
| Jun 10, 2020 | 1,572.15 | 2.277% | 1.337% | 26663.65761 | -29132.31294 |
| Jun 09, 2020 | 1,537.15 | -2.061% | -0.265% | -5280.405372 | -29075.22602 |
| Jun 08, 2020 | 1,569.50 | -0.771% | -1.415% | -28214.62832 | -27131.00666 |
| Jun 05, 2020 | 1,581.70 | 0.120% | 2.456% | 48965.31091 | -27013.6575 |
| Jun 04, 2020 | 1,579.80 | 2.475% | 4.320% | 86129.30836 | -26647.26217 |
| Jun 03, 2020 | 1,541.65 | 0.387% | -0.341% | -6801.906603 | -26340.12782 |
| Jun 02, 2020 | 1,535.70 | 1.010% | 4.340% | 86523.32757 | -26025.57106 |



| | | | | | A positive NPV Training Center |
|--------------|----------|---------|----------|--------------|--------------------------------|
| Jun 01, 2020 | 1,520.35 | 3.821% | -0.146% | -2905.095885 | -25546.52447 |
| May 29, 2020 | 1,464.40 | -0.533% | -1.183% | -23589.86129 | -25488.30478 |
| May 28, 2020 | 1,472.25 | 1.847% | -0.417% | -8321.933916 | -25374.024 |
| May 27, 2020 | 1,445.55 | 1.510% | -3.214% | -64070.52208 | -25103.65769 |
| May 26, 2020 | 1,424.05 | -0.524% | 0.320% | 6369.764036 | -24823.86241 |
| May 22, 2020 | 1,431.55 | -0.673% | -1.167% | -23259.63016 | -24793.09382 |
| May 21, 2020 | 1,441.25 | 0.527% | 3.571% | 71195.86553 | -24389.56693 |
| May 20, 2020 | 1,433.70 | 1.760% | -1.745% | -34780.32608 | -24228.59696 |
| May 19, 2020 | 1,408.90 | -2.211% | -2.716% | -54148.36409 | -23984.26274 |
| May 18, 2020 | 1,440.75 | -1.278% | -3.647% | -72709.76104 | -23808.42807 |
| May 15, 2020 | 1,459.40 | 1.633% | -0.219% | -4369.314462 | -23754.67843 |
| May 14, 2020 | 1,435.95 | -4.043% | -6.258% | -124760.2171 | -23638.24541 |
| May 13, 2020 | 1,496.45 | 2.122% | -0.131% | -2604.69849 | -23610.3847 |
| May 12, 2020 | 1,465.36 | -6.186% | -1.042% | -20774.69839 | -23200.74405 |
| May 11, 2020 | 1,561.99 | 0.960% | 1.513% | 30171.19459 | -23126.65938 |
| May 08, 2020 | 1,547.13 | 3.639% | 3.595% | 71666.19161 | -22963.79908 |
| May 07, 2020 | 1,492.80 | 3.163% | -2.319% | -46221.76022 | -22510.61999 |
| May 06, 2020 | 1,447.03 | 0.007% | 0.635% | 12654.97933 | -22460.59491 |
| May 05, 2020 | 1,446.93 | 1.773% | 1.566% | 31216.12999 | -21488.86091 |
| May 04, 2020 | 1,421.72 | -2.101% | -0.320% | -6382.379572 | -21235.57563 |
| Apr 30, 2020 | 1,452.23 | 2.736% | -2.081% | -41478.59597 | -21115.05768 |
| Apr 29, 2020 | 1,413.55 | -0.084% | 4.800% | 95683.12805 | -20820.51102 |
| Apr 28, 2020 | 1,414.74 | -0.112% | -0.137% | -2729.929494 | -20510.31721 |
| Apr 27, 2020 | 1,416.32 | 0.900% | 4.108% | 81900.15153 | -20350.87015 |
| Apr 24, 2020 | 1,403.69 | 3.362% | 0.153% | 3055.354731 | -20323.69464 |
| Apr 23, 2020 | 1,358.03 | 0.535% | -2.348% | -46809.85418 | -20307.63278 |
| Apr 22, 2020 | 1,350.80 | 10.204% | 3.084% | 61484.99476 | -20007.95666 |
| Apr 21, 2020 | 1,225.73 | -0.519% | -0.434% | -8642.26558 | -19988.82483 |
| Apr 20, 2020 | 1,232.12 | 1.617% | -2.574% | -51308.43812 | -19878.70542 |
| Apr 17, 2020 | 1,212.51 | 4.791% | -2.588% | -51595.0035 | -19848.22822 |
| Apr 16, 2020 | 1,157.08 | 1.583% | -4.364% | -86996.07411 | -19355.08486 |
| Apr 15, 2020 | 1,139.05 | -3.305% | -1.847% | -36811.21066 | -19196.02442 |
| Apr 13, 2020 | 1,177.98 | -2.525% | -0.580% | -11568.5402 | -18922.44535 |
| Apr 09, 2020 | 1,208.49 | 2.331% | -10.121% | -201760.4661 | -18797.41293 |
| Apr 08, 2020 | 1,180.96 | -1.156% | 2.805% | 55911.5443 | -18556.25692 |
| Apr 07, 2020 | 1,194.77 | 11.940% | 0.948% | 18889.88531 | -18237.34962 |
| Apr 03, 2020 | 1,067.33 | -0.277% | 2.369% | 47217.38714 | -18072.98087 |
| Apr 01, 2020 | 1,070.30 | -2.990% | 0.905% | 18035.79426 | -17442.3044 |
| Mar 31, 2020 | 1,103.29 | 8.084% | 0.148% | 2945.877438 | -16888.20188 |
| Mar 30, 2020 | 1,020.77 | -3.299% | -1.084% | -21615.19817 | -16702.44573 |
| Mar 27, 2020 | 1,055.59 | -0.057% | -1.962% | -39111.62157 | -16675.9339 |
| Mar 26, 2020 | 1,056.19 | -1.483% | -0.166% | -3313.624645 | -16626.67871 |
| Mar 25, 2020 | 1,072.09 | 14.718% | 0.700% | 13949.16048 | -16483.94976 |



| | | | | | A positive NPV Training Center |
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| Mar 24, 2020 | 934.54 | 6.713% | -1.299% | -25888.29623 | -16296.52426 |
| Mar 23, 2020 | 875.75 | -13.154% | -4.138% | -82500.76972 | -15468.47972 |
| Mar 20, 2020 | 1,008.39 | 10.924% | -1.306% | -26026.38976 | -15399.37089 |
| Mar 19, 2020 | 909.08 | -5.246% | -0.471% | -9395.125389 | -15253.54269 |
| Mar 18, 2020 | 959.41 | -3.918% | -3.595% | -71658.7027 | -15055.55827 |
| Mar 17, 2020 | 998.53 | -0.758% | -2.372% | -47287.70347 | -14224.70351 |
| Mar 16, 2020 | 1,006.16 | -8.107% | 5.436% | 108360.5518 | -13742.9269 |
| Mar 13, 2020 | 1,094.92 | 3.979% | -1.100% | -21926.00623 | -13656.62689 |
| Mar 12, 2020 | 1,053.02 | -7.850% | 0.598% | 11915.66049 | -13413.91926 |
| Mar 11, 2020 | 1,142.72 | 3.536% | -2.396% | -47757.04819 | -13374.26506 |
| Mar 09, 2020 | 1,103.69 | -12.341% | -0.112% | -2239.706188 | -13175.59436 |
| Mar 06, 2020 | 1,259.07 | -3.062% | -2.952% | -58844.90572 | -13002.80236 |
| Mar 05, 2020 | 1,298.84 | -2.131% | -2.917% | -58161.08539 | -12187.09862 |
| Mar 04, 2020 | 1,327.12 | -0.235% | -0.158% | -3155.301115 | -12009.46628 |
| Mar 03, 2020 | 1,330.24 | 2.029% | 5.525% | 110141.6325 | -11938.07638 |
| Mar 02, 2020 | 1,303.79 | -0.941% | -1.294% | -25803.86645 | -11744.02407 |
| Feb 28, 2020 | 1,316.17 | -4.155% | 5.082% | 101316.4656 | -11631.51628 |
| Feb 27, 2020 | 1,373.23 | -0.413% | 2.451% | 48852.02856 | -11617.9218 |
| Feb 26, 2020 | 1,378.93 | -1.723% | -1.945% | -38767.45935 | -10628.93845 |
| Feb 25, 2020 | 1,403.10 | -1.976% | -4.644% | -92586.66027 | -10168.5214 |
| Feb 24, 2020 | 1,431.38 | -2.760% | -0.804% | -16023.87512 | -10146.4297 |
| Feb 20, 2020 | 1,472.00 | -1.187% | -0.130% | -2587.019164 | -10038.49857 |
| Feb 19, 2020 | 1,489.68 | 2.481% | 0.158% | 3142.831429 | -9585.64616 |
| Feb 18, 2020 | 1,453.62 | -0.734% | -0.039% | -786.6383002 | -9516.745558 |
| Feb 17, 2020 | 1,464.37 | -0.628% | -0.129% | -2576.802885 | -8897.346998 |
| Feb 14, 2020 | 1,473.63 | 0.912% | -2.958% | -58974.23142 | -8568.730176 |
| Feb 13, 2020 | 1,460.31 | 0.262% | -2.380% | -47450.12576 | -8055.294395 |
| Feb 12, 2020 | 1,456.49 | 1.208% | -1.253% | -24976.71103 | -8033.504153 |
| Feb 11, 2020 | 1,439.11 | 1.195% | 0.795% | 15854.5912 | -7941.142352 |
| Feb 10, 2020 | 1,422.12 | 0.136% | 3.114% | 62081.37034 | -7749.135945 |
| Feb 07, 2020 | 1,420.19 | -1.656% | -1.011% | -20157.43737 | -7626.583826 |
| Feb 06, 2020 | 1,444.11 | 0.642% | -3.304% | -65858.06762 | -7529.615562 |
| Feb 05, 2020 | 1,434.90 | 1.549% | -0.400% | -7974.651383 | -7128.346109 |
| Feb 04, 2020 | 1,413.01 | 2.952% | -0.790% | -15750.57087 | -5611.413867 |
| Feb 03, 2020 | 1,372.49 | 0.155% | 0.863% | 17198.04317 | -4460.302453 |
| Feb 01, 2020 | 1,370.36 | -2.004% | 0.403% | 8034.083683 | -4451.767849 |
| Jan 31, 2020 | 1,398.39 | -2.223% | -0.734% | -14626.94577 | -4334.904762 |
| Jan 30, 2020 | 1,430.19 | -2.439% | 4.259% | 84904.33974 | -4328.601302 |
| Jan 29, 2020 | 1,465.95 | 0.550% | 1.091% | 21745.10752 | -4007.415093 |
| Jan 28, 2020 | 1,457.93 | -2.310% | -2.083% | -41526.25531 | -3243.578273 |
| Jan 27, 2020 | 1,492.40 | -0.986% | 2.542% | 50675.26218 | -2969.550156 |
| Jan 24, 2020 | 1,507.26 | -0.347% | -5.866% | -116938.2497 | -2552.707776 |
| Jan 23, 2020 | 1,512.51 | -0.424% | -2.906% | -57929.40531 | -2417.923107 |



| | | | | | A positive NPV Training Center |
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| Jan 22, 2020 | 1,518.95 | -0.036% | 1.153% | 22987.52465 | -2244.13828 |
| Jan 21, 2020 | 1,519.50 | 0.101% | 4.450% | 88708.47523 | -2194.340616 |
| Jan 20, 2020 | 1,517.96 | -3.077% | -0.113% | -2243.194011 | -2052.320007 |
| Jan 17, 2020 | 1,566.15 | 2.802% | -0.193% | -3855.568802 | -1719.095041 |
| Jan 16, 2020 | 1,523.46 | 0.922% | -2.550% | -50839.89669 | -604.1811555 |
| Jan 15, 2020 | 1,509.54 | -0.363% | 1.228% | 24476.03913 | -483.0947339 |
| Jan 14, 2020 | 1,515.04 | -0.926% | 1.220% | 24328.76565 | -189.5089731 |
| Jan 13, 2020 | 1,529.20 | -0.256% | 0.108% | 2157.87993 | -76.10676417 |
| Jan 10, 2020 | 1,533.12 | -0.022% | 0.237% | 4731.382937 | 630.8148491 |
| Jan 09, 2020 | 1,533.46 | 2.303% | 1.875% | 37378.83718 | 676.0721786 |
| Jan 08, 2020 | 1,498.94 | -0.751% | 1.819% | 36264.64729 | 821.0830503 |
| Jan 07, 2020 | 1,510.28 | 1.538% | -0.536% | -10691.07552 | 904.5690047 |
| Jan 06, 2020 | 1,487.40 | -2.320% | -3.795% | -75659.45352 | 1134.889379 |
| Jan 03, 2020 | 1,522.72 | 0.121% | 1.357% | 27042.77455 | 1576.017396 |
| Jan 02, 2020 | 1,520.88 | 1.703% | 1.882% | 37509.07973 | 1821.415278 |
| Jan 01, 2020 | 1,495.42 | -0.294% | -2.646% | -52745.97993 | 2049.097095 |
| Dec 31, 2019 | 1,499.83 | -1.953% | -0.536% | -10687.17716 | 2662.606798 |
| Dec 30, 2019 | 1,529.70 | 0.120% | 1.243% | 24783.34145 | 2796.146732 |
| Dec 27, 2019 | 1,527.87 | 1.779% | -6.536% | -130295.2555 | 2977.583841 |
| Dec 26, 2019 | 1,501.17 | -2.008% | -2.821% | -56236.30378 | 3525.685653 |
| Dec 24, 2019 | 1,531.93 | -1.587% | -2.114% | -42145.97586 | 3957.717774 |
| Dec 23, 2019 | 1,556.64 | -1.732% | -3.816% | -76078.79365 | 4008.957304 |
| Dec 20, 2019 | 1,584.08 | -0.674% | 1.861% | 37109.88466 | 4430.378304 |
| Dec 19, 2019 | 1,594.83 | 2.164% | -0.197% | -3925.892154 | 4633.039839 |
| Dec 18, 2019 | 1,561.05 | 0.841% | -0.925% | -18431.5392 | 4770.058111 |
| Dec 17, 2019 | 1,548.03 | -0.249% | -2.984% | -59487.95303 | 5350.346595 |
| Dec 16, 2019 | 1,551.89 | -1.030% | 2.398% | 47801.4956 | 5743.359248 |
| Dec 13, 2019 | 1,568.04 | 0.938% | -1.810% | -36092.94123 | 6004.604343 |
| Dec 12, 2019 | 1,553.47 | 0.371% | 1.779% | 35463.93354 | 6346.263461 |
| Dec 11, 2019 | 1,547.73 | 0.029% | -0.942% | -18784.43648 | 6778.078266 |
| Dec 10, 2019 | 1,547.28 | -0.677% | -0.098% | -1957.952988 | 6945.113575 |
| Dec 09, 2019 | 1,557.83 | 1.138% | 2.286% | 45575.25279 | 7191.007888 |
| Dec 06, 2019 | 1,540.30 | 0.261% | 2.458% | 49005.58604 | 7504.048532 |
| Dec 05, 2019 | 1,536.29 | -0.119% | 3.283% | 65440.735 | 7592.273553 |
| Dec 04, 2019 | 1,538.12 | -1.659% | 0.149% | 2966.800622 | 7775.091606 |
| Dec 03, 2019 | 1,564.07 | -0.479% | 0.980% | 19542.38465 | 8020.254929 |
| Dec 02, 2019 | 1,571.60 | 2.279% | 2.805% | 55917.96973 | 8722.900045 |
| Nov 29, 2019 | 1,536.58 | -1.845% | 1.342% | 26749.18812 | 9118.805783 |
| Nov 28, 2019 | 1,565.46 | 0.666% | 3.637% | 72508.30141 | 9364.1239 |
| Nov 27, 2019 | 1,555.11 | 0.615% | -2.648% | -52781.32732 | 10067.2685 |
| Nov 26, 2019 | 1,545.60 | -0.083% | 1.361% | 27129.41274 | 10168.81372 |
| Nov 25, 2019 | 1,546.89 | 0.973% | 0.273% | 5434.149773 | 10234.26194 |
| Nov 22, 2019 | 1,531.98 | 0.579% | 0.119% | 2362.523108 | 10390.39333 |



| | | | | | A positive NPV Training Center |
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| Nov 21, 2019 | 1,523.16 | -0.650% | 2.703% | 53893.8884 | 10568.29744 |
| Nov 20, 2019 | 1,533.12 | 2.511% | -1.710% | -34095.9783 | 10627.58917 |
| Nov 19, 2019 | 1,495.57 | 3.464% | 1.477% | 29451.99937 | 10778.03617 |
| Nov 18, 2019 | 1,445.50 | -0.792% | 3.567% | 71104.34584 | 11355.89229 |
| Nov 15, 2019 | 1,457.04 | 0.554% | 7.288% | 145295.8506 | 11903.73665 |
| Nov 14, 2019 | 1,449.01 | -0.649% | 1.457% | 29049.39967 | 11934.29252 |
| Nov 13, 2019 | 1,458.48 | 3.117% | -0.727% | -14493.45863 | 12147.42099 |
| Nov 11, 2019 | 1,414.39 | -1.225% | 2.672% | 53260.95197 | 12433.56858 |
| Nov 08, 2019 | 1,431.93 | -0.898% | 3.306% | 65907.76367 | 12732.50831 |
| Nov 07, 2019 | 1,444.90 | 1.651% | 2.986% | 59537.02666 | 12823.48121 |
| Nov 06, 2019 | 1,421.43 | -0.857% | 1.436% | 28618.86403 | 13024.11859 |
| Nov 05, 2019 | 1,433.71 | -0.710% | -0.584% | -11643.31146 | 13558.30346 |
| Nov 04, 2019 | 1,443.96 | 0.051% | -1.609% | -32075.17507 | 13793.37063 |
| Nov 01, 2019 | 1,443.22 | -0.509% | 0.256% | 5102.480183 | 13999.96374 |
| Oct 31, 2019 | 1,450.60 | -0.997% | -1.065% | -21228.59886 | 14314.4626 |
| Oct 30, 2019 | 1,465.21 | 0.822% | 0.548% | 10922.02775 | 14637.62268 |
| Oct 29, 2019 | 1,453.27 | 2.287% | -1.096% | -21859.23342 | 14691.3963 |
| Oct 27, 2019 | 1,420.78 | 0.213% | -2.377% | -47381.72206 | 14920.29562 |
| Oct 25, 2019 | 1,417.76 | -0.365% | -2.613% | -52082.03686 | 15009.4399 |
| Oct 24, 2019 | 1,422.96 | 3.163% | -0.471% | -9386.594245 | 15265.666 |
| Oct 23, 2019 | 1,379.33 | -1.538% | -2.155% | -42962.535 | 15445.49196 |
| Oct 22, 2019 | 1,400.87 | -0.155% | -1.478% | -29471.29228 | 15458.16248 |
| Oct 18, 2019 | 1,403.05 | 1.421% | 0.690% | 13746.53982 | 15635.15159 |
| Oct 17, 2019 | 1,383.39 | 1.760% | -3.125% | -62289.69787 | 15667.20644 |
| Oct 16, 2019 | 1,359.46 | 0.601% | -0.983% | -19598.54755 | 16001.65414 |
| Oct 15, 2019 | 1,351.34 | 0.453% | -2.171% | -43285.77875 | 16649.67788 |
| Oct 14, 2019 | 1,345.25 | 0.399% | 4.602% | 91752.48925 | 17020.74055 |
| Oct 11, 2019 | 1,339.90 | -0.744% | -5.645% | -112543.8471 | 17206.88063 |
| Oct 10, 2019 | 1,349.95 | 2.868% | -4.103% | -81789.21061 | 17290.34873 |
| Oct 09, 2019 | 1,312.31 | 1.118% | -0.335% | -6672.715895 | 17298.77143 |
| Oct 07, 2019 | 1,297.80 | 0.153% | 0.897% | 17889.74538 | 17370.77489 |
| Oct 04, 2019 | 1,295.82 | -0.225% | 3.915% | 78051.59734 | 17940.43795 |
| Oct 03, 2019 | 1,298.74 | 0.471% | -0.831% | -16558.80696 | 17979.7071 |
| Oct 01, 2019 | 1,292.65 | -2.053% | -5.500% | -109637.7148 | 18161.34354 |
| Sep 30, 2019 | 1,319.74 | 1.772% | -0.105% | -2086.898417 | 18414.64446 |
| Sep 27, 2019 | 1,296.76 | 0.945% | -0.478% | -9522.207219 | 18721.03528 |
| Sep 26, 2019 | 1,284.62 | 1.347% | 1.609% | 32068.8134 | 19510.05796 |
| Sep 25, 2019 | 1,267.54 | 0.067% | -1.545% | -30809.70579 | 19749.79731 |
| Sep 24, 2019 | 1,266.69 | 3.188% | -3.648% | -72725.16052 | 19881.09504 |
| Sep 23, 2019 | 1,227.56 | -1.208% | -1.380% | -27502.08126 | 20364.95074 |
| Sep 20, 2019 | 1,242.57 | 6.386% | -2.203% | -43915.04179 | 21253.02489 |
| Sep 19, 2019 | 1,167.98 | -2.210% | -2.117% | -42194.24352 | 21418.89148 |
| Sep 18, 2019 | 1,194.38 | 0.689% | -1.019% | -20320.81302 | 21427.45032 |



| Sep 17, 2019 1,186.21 -1.098% -0.629% -12546.77324 21912.0537 Sep 16, 2019 1,199.38 -1.212% -5.165% -102975.0522 22198.0784 Sep 12, 2019 1,188.98 -1.949% 3.147% 662744.39804 22266.12295 Sep 12, 2019 1,212.02 0.099% -0.615% -12252.51121 22483.08664 Sep 06, 2019 1,211.02 1.994% -3.1865% -63517.19666 22890.76553 Sep 06, 2019 1,187.35 -0.212% 0.0285% 5678.687395 2315.24539 Sep 04, 2019 1,128.07 -3.376% -3.164% -63081.0559 23732.80675 Aug 30, 2019 1,236.83 0.548% 2.629% 52412.52439 23800.1239 Aug 28, 2019 1,251.90 -1.706% 1.1847% 36819.8217 23984.7366 Aug 27, 2019 1,254.04 -0.606% -1149% -20912.91491 24172.1648 Aug 27, 2019 1,254.04 -0.417% -58913.21746 24472.1648 Aug 27, 2019 1,250.02 <th></th> <th></th> <th></th> <th></th> <th></th> <th>A positive NPV Training Center</th> | | | | | | A positive NPV Training Center |
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| Sep 13, 2019 1,214.09 1.260% 0.143% 2847.504685 22138.07954 Sep 12, 2019 1,198.98 -1.949% 3.147% 62744.39804 22265.1225 Sep 11, 2019 1,222.81 0.999% 0.615% -12252.51121 22483.08664 Sep 09, 2019 1,187.35 -0.212% 0.017% 18271.28302 22603.62061 Sep 08, 2019 1,189.87 -0.435% 0.285% 5678.687395 23115.24539 Sep 03, 2019 1,189.87 -0.435% -1.673% -33360.55117 23944.23928 Sep 03, 2019 1,230.09 -1.706% 1.847% 36619.88217 23984.73769 Aug 23, 2019 1,261.48 -0.906% 0.564% 11251.3902 2419.39168 Aug 27, 2019 1,263.87 2.334% 0.451% -8994.81264 24492.1648 Aug 24, 2019 1,254.90 -0.710% 2.955% -58913.21746 24172.10867 Aug 27, 2019 1,263.87 2.334% 0.451% -8994.81264 24986.67158 Aug 2, 2019 | Sep 17, 2019 | 1,186.21 | -1.098% | -0.629% | -12546.77324 | 21912.05337 |
| Sep 12, 2019 1,198.98 -1.949% 3.147% 62744.39804 22266.12295 Sep 11, 2019 1,222.81 0.999% -0.615% -1.2252.51121 22483.08664 Sep 00, 2019 1,210.72 -0.025% 0.917% 18271.28302 22603.2061 Sep 05, 2019 1,187.35 -0.212% 0.285% 5678.687395 23115.24539 Sep 03, 2019 1,189.07 -3.376% -3.164% -63081.0559 23732.80675 Aug 20, 2019 1,236.33 0.543% 2.629% 52412.52439 23800.1239 Aug 20, 2019 1,261.84 0.906% -1.049% -20912.91491 24172.10967 Aug 22, 2019 1,262.88 0.636% 0.0564% 11251.3002 24199.3168 Aug 22, 2019 1,263.87 2.334% -0.451% -8994.812694 2498.67158 Aug 22, 2019 1,263.67 2.334% -0.451% -8994.812694 2498.67158 Aug 22, 2019 1,263.64 -1.426% -3.019% -6190.5882 25262.0207 Aug 20, 2019 | Sep 16, 2019 | 1,199.38 | -1.212% | -5.165% | -102975.0522 | 22109.96784 |
| Sep 11, 2019 1, 222.81 0.999% -0.615% -12252.51121 22483.08664 Sep 09, 2019 1, 21.0.72 -0.025% 0.917% 18271.28302 22603.62061 Sep 06, 2019 1, 21.0.02 1.994% -3.186% -63517.19696 22800.75533 Sep 05, 2019 1, 187.35 -0.212% 0.2855% 5578.687395 23115.24539 Sep 03, 2019 1, 125.07 -3.376% -3.164% -63081.0559 23732.80675 Aug 20, 2019 1, 251.44 -0.906% -1.049% -20912.91491 24172.10967 Aug 22, 2019 1, 254.90 -0.710% -2.955% -58913.21746 24986.67158 Aug 23, 2019 1, 254.90 -0.710% -2.955% -58913.21746 24472.1684 Aug 23, 2019 1, 254.90 -0.710% -2.955% -58913.21746 24472.1684 Aug 23, 2019 1, 254.90 -0.710% -2.955% -58913.21746 24472.1684 Aug 21, 2019 1, 254.90 -0.100% -0.451% -39948.12694 24986.67158 | Sep 13, 2019 | 1,214.09 | 1.260% | 0.143% | 2847.504685 | 22138.07954 |
| Sep 09, 2019 1,210.72 -0.025% 0.917% 18271.28302 22603.62061 Sep 06, 2019 1,110.2 1.994% -3.186% -63517.19696 22890.76553 Sep 03, 2019 1,187.35 -0.212% 0.0285% S678.687395 23115.24539 Sep 03, 2019 1,195.07 -3.376% -3.164% -63081.0559 23732.80675 Aug 30, 2019 1,230.09 -1.706% 1.847% 36819.88217 2384.73769 Aug 22, 2019 1,251.44 -0.906% -1.049% -20912.91491 24172.10967 Aug 23, 2019 1,252.40 -0.710% -2.955% 58913.21746 24472.1648 Aug 23, 2019 1,253.87 2.334% -0.451% -8994.812694 24986.67158 Aug 21, 2019 1,254.90 -0.710% 2.0197 -1.8877.9414 25117.43896 Aug 21, 2019 1,263.87 2.334% -0.451% -3994.812694 24986.67158 Aug 21, 2019 1,263.97 -1.284% -0.491% 25281.5058 25126.0663 Aug 21, 2019 <td>Sep 12, 2019</td> <td>1,198.98</td> <td>-1.949%</td> <td>3.147%</td> <td>62744.39804</td> <td>22266.12295</td> | Sep 12, 2019 | 1,198.98 | -1.949% | 3.147% | 62744.39804 | 22266.12295 |
| Sep 06, 2019 1,211.02 1.994% Image: Constraint of the constraint | Sep 11, 2019 | 1,222.81 | 0.999% | -0.615% | -12252.51121 | 22483.08664 |
| Sep 05, 2019 1,187.35 -0.212% 0.285% 5678.687395 23115.24539 Sep 04, 2019 1,189.87 -0.435% -1.673% -33360.55117 23344.23928 Sep 03, 2019 1,125.07 -3.376% -3.164% -63081.0559 23732.80675 Aug 30, 2019 1,236.83 0.548% 2.629% 52412.52439 23800.1239 Aug 28, 2019 1,251.44 -0.906% -1.049% -20912.91491 24172.10967 Aug 27, 2019 1,254.90 -0.710% -2.955% -58913.21746 24472.1648 Aug 23, 2019 1,253.04 -1.905% 1.804% 35953.87052 25024.10934 Aug 21, 2019 1,285.04 -1.905% 1.804% 35953.87052 25024.10934 Aug 21, 2019 1,285.04 -1.905% 1.804% 35953.87052 25026.32097 Aug 21, 2019 1,286.46 1.142% -3.019% -60190.5882 25266.32097 Aug 12, 2019 1,267.78 9.693% 2.841% 56642.65216 27224.6992 Aug 12, 2019 | Sep 09, 2019 | 1,210.72 | -0.025% | 0.917% | 18271.28302 | 22603.62061 |
| Sep 04, 20191,189.87-0.435%-1.673%-33360.5511723344.23928Sep 03, 20191,256.830.548%2.629%52412.5243923800.1239Aug 29, 20191,230.09-1.706%1.847%36819.8821723984.73769Aug 29, 20191,262.880.636%0.564%11251.390224199.39168Aug 27, 20191,262.880.636%0.564%11251.390224199.39168Aug 23, 20191,262.872.334%-0.451%-8994.81269424986.67158Aug 23, 20191,254.90-0.710%-2.955%-58913.2174624472.1648Aug 23, 20191,259.02-0.392%-0.947%-18877.941425117.43896Aug 21, 20191,259.02-0.392%-0.947%-18877.941425117.43896Aug 20, 20191,263.97-1.258%-1.254%-26281.5605825226.0632Aug 10, 20191,266.00-0.795%-1.254%-24998.9005526398.58102Aug 13, 20191,262.789.693%2.841%56642.6521627224.6992Aug 13, 20191,262.789.693%2.841%56642.6521627224.6992Aug 09, 20191,117.11-1.316%0.491%9788.1878382853.31913Aug 05, 20191,117.11-1.316%0.491%9788.1878382853.31913Aug 05, 20191,117.11-1.316%0.491%9788.1878382853.31913Aug 05, 20191,117.11-1.316%0.491%9788.1878382853.31913Aug 05, 20191,122.01 | Sep 06, 2019 | 1,211.02 | 1.994% | -3.186% | -63517.19696 | 22890.76553 |
| Sep 03, 20191,195.07-3.376%-3.164%-63081.055923732.80675Aug 30, 20191,236.830.548%2.629%52412.5243923800.1239Aug 28, 20191,230.09-1.706%1.847%36819.881723984.73769Aug 28, 20191,251.44-0.906%-1.049%-2.0912.9149124172.10967Aug 27, 20191,254.980.6368%0.0564%11251.390224199.39168Aug 23, 20191,254.90-0.710%-2.955%-58913.2174624472.1648Aug 23, 20191,263.872.334%-0.451%-8994.81269424986.67158Aug 21, 20191,259.02-0.392%-0.947%-1.8877.94125117.43896Aug 21, 20191,263.97-1.285%-1.1318%-26281.5605825126.0663Aug 19, 20191,266.00-0.795%-1.1254%-24998.9009526398.58102Aug 14, 20191,267.151.059%-2.532%-50470.8558626833.86667Aug 13, 20191,261.751.059%-2.654%-40942.397842792.05655Aug 03, 20191,141.533.872%-3.023%-60257.367942792.05655Aug 04, 20191,147.11-3.316%-0.401%9788.1878382853.31913Aug 05, 20191,132.61-3.462%-0.076%-41423.72542873.07050Aug 05, 20191,141.533.872%-0.076%-41423.72542873.0306Aug 05, 20191,141.53-3.462%-0.076%-41423.72542873.0303Aug 05, 2019 | Sep 05, 2019 | 1,187.35 | -0.212% | 0.285% | 5678.687395 | 23115.24539 |
| Aug 30, 20191,236.830.548%2.629%52412.5243923800.1239Aug 29, 20191,230.09-1.706%1.847%36819.8821723984.73769Aug 28, 20191,251.44-0.906%-1.049%-20912.9149124172.10967Aug 27, 20191,262.880.636%0.564%11251.390224499.9168Aug 23, 20191,264.980.636%0.451%-8994.81269424986.67158Aug 23, 20191,254.90-7.105%-0.451%-8994.81269424986.67158Aug 21, 20191,259.02-0.392%-0.947%-1.8877.941425117.43896Aug 20, 20191,263.97-1.288%-1.318%-26281.5605825126.0663Aug 10, 20191,266.00-0.795%-2.532%-50470.858822566.32097Aug 14, 20191,276.151.059%-2.532%-50470.8558626833.86667Aug 13, 20191,262.789.693%2.841%56642.6521627224.69992Aug 09, 20191,151.190.846%-2.054%-40942.3978427490.01907Aug 08, 20191,117.11-3.872%-3.023%-60257.3679427929.05655Aug 00, 20191,173.230.347%1.083%21583.3641828853.713193Aug 02, 20191,132.61-3.462%-2.078%-41423.7255428732.07508Aug 02, 20191,135.30-1.240%-2.078%-41423.7255428732.07508Aug 02, 20191,169.171.201%3.253%64849.4678429287.50496Jul 31, 2019 <td>Sep 04, 2019</td> <td>1,189.87</td> <td>-0.435%</td> <td>-1.673%</td> <td>-33360.55117</td> <td>23344.23928</td> | Sep 04, 2019 | 1,189.87 | -0.435% | -1.673% | -33360.55117 | 23344.23928 |
| Aug 29, 20191,230.09-1.706%1.847%36819.8821723984.73769Aug 28, 20191,251.44-0.906%-1.049%-20912.9149124172.10967Aug 27, 20191,262.880.636%0.564%11251.390224199.39168Aug 26, 20191,254.90-0.710%-2.955%-58913.2174624472.1648Aug 23, 20191,263.872.334%-0.451%-8994.81269424986.67158Aug 22, 20191,259.02-0.392%-0.947%-1.8877.941425117.43896Aug 20, 20191,263.97-1.288%-0.451%-26281.5605825126.0663Aug 19, 20191,280.461.142%-3.019%-60190.5888225266.32097Aug 14, 20191,262.070.795%-1.254%-24998.9009526398.58102Aug 13, 20191,262.789.693%2.841%56642.65162724.6992Aug 90, 20191,151.190.846%-2.054%-40942.397827920.0565Aug 00, 20191,117.71-1.316%0.491%9788.18783828537.31913Aug 05, 20191,132.61-3.462%-2.078%-41423.7255428732.07508Aug 02, 20191,173.230.347%1.083%21583.3641828845.32819Aug 02, 20191,155.30-1.240%-0.907%-18075.698229287.64657Jul 30, 20191,169.171.201%3.253%64481.9119629636.44825Jul 30, 20191,159.80-2.425%1.303%21583.3641828845.32819Aug 02, 2019 | Sep 03, 2019 | 1,195.07 | -3.376% | -3.164% | -63081.0559 | 23732.80675 |
| Aug 28, 20191,251.44-0.906%-1.049%-20912.9149124172.10967Aug 27, 20191,262.880.636%0.564%11251.390224199.39168Aug 26, 20191,254.90-0.710%2.955%-58913.2174624472.1648Aug 23, 20191,263.872.334%-0.451%-8994.81269424986.67158Aug 22, 20191,255.04-1.905%1.804%35953.8705225024.10934Aug 21, 20191,259.02-0.392%-0.947%-18877.941425117.43896Aug 20, 20191,263.97-1.288%-1.318%-26281.5605825126.0663Aug 19, 20191,266.00-0.795%-1.254%-24998.9009526398.58102Aug 14, 20191,276.151.059%2.532%-50470.8558626833.86667Aug 13, 20191,262.789.693%2.841%56642.6521627224.69992Aug 09, 20191,111.190.846%-2.054%-40942.3978427490.01907Aug 08, 20191,114.133.872%-3.023%-60257.3679427929.0656Aug 05, 20191,117.71-1.316%0.491%9788.18783828537.31913Aug 05, 20191,132.61-3.462%-2.078%-41423.7255428732.07508Aug 02, 20191,169.171.201%3.253%64849.4678429287.50496Jul 31, 20191,153.00-1.240%-0.907%-18075.698232926.46857Jul 32, 20191,169.171.201%3.253%64849.4678429287.50496Jul 32, 2019< | Aug 30, 2019 | 1,236.83 | 0.548% | 2.629% | 52412.52439 | 23800.1239 |
| Aug 27, 20191,262.880.636%0.564%11251.390224199.39168Aug 26, 20191,254.90-0.710%-2.955%-58913.2174624472.1648Aug 23, 20191,263.872.334%-0.451%-8994.81269424986.67158Aug 22, 20191,255.04-1.905%1.804%35953.8705225024.10934Aug 21, 20191,259.02-0.392%-0.947%-1.8877.941425117.43896Aug 20, 20191,263.97-1.288%-1.318%-26281.605825266.3097Aug 19, 20191,260.00-0.795%-2.532%-50470.8558626398.58102Aug 14, 20191,276.151.059%-2.532%-50470.8558626398.58102Aug 13, 20191,262.789.693%2.841%56642.6521627224.69922Aug 09, 20191,151.190.846%-2.054%-40942.3978427490.01907Aug 08, 20191,117.71-1.316%-6.634%-132252.153528182.611Aug 06, 20191,117.71-1.316%-2.078%-41423.725542873.07508Aug 01, 20191,169.171.201%3.253%64849.4678429287.50496Jul 30, 20191,169.171.201%3.253%64849.4678429287.50496Jul 30, 20191,169.81-2.482%1.303%25977.646529450.30322Jul 20, 20191,169.81-2.482%1.303%25977.646529450.30322Jul 22, 20191,224.00-1.438%-1.654%-32976.6368430336.60514Jul 22, 2019 <td< td=""><td>Aug 29, 2019</td><td>1,230.09</td><td>-1.706%</td><td>1.847%</td><td>36819.88217</td><td>23984.73769</td></td<> | Aug 29, 2019 | 1,230.09 | -1.706% | 1.847% | 36819.88217 | 23984.73769 |
| Aug 26, 20191,254.90-0.710%-2.955%-5.8913.2174624472.1648Aug 23, 20191,263.872.334%-0.451%-8994.81269424986.67158Aug 22, 20191,235.04-1.905%1.804%35953.8705225024.10934Aug 21, 20191,259.02-0.392%-0.947%-1.8877.941425117.43896Aug 20, 20191,263.97-1.283%-1.318%-26281.5605825266.32097Aug 19, 20191,260.04-0.795%-1.254%-24998.9009526398.58102Aug 14, 20191,276.151.059%2.841%56642.6521627224.69992Aug 13, 20191,262.789.693%2.841%56642.6521627224.69992Aug 09, 20191,151.190.846%-2.054%-40942.3978427490.01907Aug 06, 20191,117.71-1.316%0.491%9788.18783828537.31913Aug 06, 20191,132.61-3.462%-2.078%-41423.7255428732.07508Aug 02, 20191,169.81-2.482%0.491%9788.18783828845.32819Jul 30, 20191,169.81-2.482%1.303%25977.646529450.30322Jul 20, 20191,169.81-2.482%1.303%25977.646529450.30322Jul 22, 20191,221.94-2.192%3.564%71048.143530392.71528Jul 22, 20191,264.99-0.435%2.581%51451.7382531093.79806Jul 22, 20191,264.99-0.535%2.581%51451.7382531093.79806Jul 22, 2019 | Aug 28, 2019 | 1,251.44 | -0.906% | -1.049% | -20912.91491 | 24172.10967 |
| Aug 23, 20191,263.872.334%I-0.451%-8994.81269424986.67158Aug 22, 20191,235.04-1.905%I1.804%35953.8705225024.10934Aug 21, 20191,259.02-0.392%I-0.947%-18877.941425117.43896Aug 20, 20191,263.97-1.288%I-1.318%-26281.5605825126.0663Aug 19, 20191,266.00-0.795%I-1.254%-24998.9009526398.58102Aug 16, 20191,276.151.059%I-2.532%-50470.855862683.86667Aug 13, 20191,262.789.693%I2.841%56642.6521627224.6992Aug 09, 20191,151.190.846%I-2.054%-40942.3978427490.01907Aug 08, 20191,141.533.872%I-3.023%-60257.367942792.05656Aug 07, 20191,049.89-1.676%I-6.634%-132252.153528182.611Aug 06, 20191,117.71-1.316%I0.491%9788.18783828537.31913Aug 02, 20191,132.61-3.462%I-2.078%-41423.7255428732.07508Aug 01, 20191,169.171.201%3.253%64849.4678429287.50496Jul 31, 20191,155.30-1.248%1.303%25977.645529450.30322Jul 20, 20191,202.40-1.438%I-6.033%25977.645529450.30322Jul 22, 20191,204.04-1.438%I-6.034%-16732.89173036.60514 <t< td=""><td>Aug 27, 2019</td><td>1,262.88</td><td>0.636%</td><td>0.564%</td><td>11251.3902</td><td>24199.39168</td></t<> | Aug 27, 2019 | 1,262.88 | 0.636% | 0.564% | 11251.3902 | 24199.39168 |
| Aug 22, 20191,235.04-1.905%11.804%35953.8705225024.10934Aug 21, 20191,259.02-0.392%-0.947%-1.8877.941425117.43896Aug 20, 20191,263.97-1.288%2-3.019%-60190.5888225266.32097Aug 16, 20191,266.00-0.795%-1.254%-24998.9009526398.58102Aug 14, 20191,276.151.059%2-2.532%-50470.8558626833.86667Aug 13, 20191,262.789.693%22.841%56642.6521627224.69992Aug 09, 20191,151.190.846%2-2.054%-40942.3978427490.01907Aug 08, 20191,141.533.872%2-6.634%-13225.153528182.611Aug 05, 20191,117.71-1.316%0.491%9788.18783828537.31913Aug 05, 20191,132.61-3.462%2-2.078%-41423.725428732.07508Aug 01, 20191,169.171.201%3.253%64849.4678429287.50496Jul 31, 20191,155.30-1.248%1.303%25977.64552945.03222Jul 20, 20191,202.40-1.438%2-6.034%-30297.64652945.03222Jul 22, 20191,204.4-1.91%325873036.0514Jul 22, 20191,264.84-2.482%1.303%25977.64652945.03222Jul 22, 20191,264.842.522%3.564%71048.143530392.71528Jul 22, 20191,268.482.522%2.581%51451.73825 | Aug 26, 2019 | 1,254.90 | -0.710% | -2.955% | -58913.21746 | 24472.1648 |
| Aug21, 20191, 259.02-0.392%1-0.947%-1.8877.941425117.43896Aug20, 20191, 263.97-1.288%1-1.318%-26281.5605825126.0663Aug19, 20191, 280.461.142%2-3.019%-60190.5888225266.32097Aug16, 20191, 266.00-0.795%2-1.254%-24998.9009526398.58102Aug14, 20191, 276.151.059%2-2.532%-50470.8558626833.86667Aug13, 20191, 262.789.693%22.841%56642.6521627224.69992Aug 09, 20191, 151.190.846%2-2.054%-40942.3978427490.01907Aug 08, 20191, 141.533.872%3.023%-60257.3679427929.06565Aug 07, 20191,098.98-1.676%6-6.634%-132252.153528182.611Aug 05, 20191,117.71-1.316%0.491%9788.18783828537.31913Aug 05, 20191,132.61-3.462%2.2.078%-41423.7255428732.07508Aug 01, 20191,169.171.201%3.253%64849.4678429287.64687Jul 30, 20191,169.171.201%3.253%5451.9119629636.44825Jul 30, 20191,169.81-2.482%1.303%25977.646529450.30322Jul 30, 20191,199.88-0.235%1.828%36451.9119629636.44825Jul 30, 20191,199.48-2.482%1.654%-32976.6368430336.60514Jul 22, | Aug 23, 2019 | 1,263.87 | 2.334% | -0.451% | -8994.812694 | 24986.67158 |
| Aug 20, 20191,263.97-1.288%-1.318%-26281.5605825126.0663Aug 19, 20191,280.461.142%-3.019%-60190.5888225266.32097Aug 16, 20191,266.00-0.795%-1.254%-24998.9009526398.58102Aug 14, 20191,276.151.059%-2.532%-50470.8558626833.86667Aug 13, 20191,262.789.693%2.841%56642.6521627224.69992Aug 09, 20191,151.190.846%-2.054%-40942.3978427490.01907Aug 08, 20191,141.533.872%-3.023%-60257.3679427929.06565Aug 07, 20191,098.98-1.676%-6.634%-132252.153528182.611Aug 05, 20191,117.71-1.316%0.491%9788.18783828537.31913Aug 05, 20191,132.61-3.462%-2.078%-41423.7255428732.07508Aug 02, 20191,169.171.201%3.253%64849.4678429287.50496Jul 31, 20191,169.171.240%-0.907%-18075.698232926.64857Jul 30, 20191,169.81-2.482%1.303%25977.646529450.30322Jul 29, 20191,202.40-1.438%-1.654%-32976.6368430336.60514Jul 22, 20191,219.94-2.192%3.564%71048.143530392.71528Jul 24, 20191,247.28-1.134%-0.839%-16732.891730794.26622Jul 25, 20191,264.842.522%-0.509%-10149.9130831382.55419Jul 24, 2019 <td>Aug 22, 2019</td> <td>1,235.04</td> <td>-1.905%</td> <td>1.804%</td> <td>35953.87052</td> <td>25024.10934</td> | Aug 22, 2019 | 1,235.04 | -1.905% | 1.804% | 35953.87052 | 25024.10934 |
| Aug 19, 20191,280.461.142%-3.019%-60190.5888225266.32097Aug 16, 20191,266.00-0.795%-1.254%-24998.9009526398.58102Aug 14, 20191,276.151.059%2.532%-50470.8558626833.86667Aug 13, 20191,262.789.693%2.841%56642.6521627224.69992Aug 09, 20191,151.190.846%-2.054%-40942.3978427490.01907Aug 08, 20191,141.533.872%3.623%-60257.3679427929.06565Aug 07, 20191,098.98-1.676%6.634%-13225.153528182.611Aug 06, 20191,117.71-1.316%0.491%9788.18783828537.31913Aug 05, 20191,132.61-3.462%-2.078%-41423.7255428732.07508Aug 01, 20191,169.171.201%3.253%64849.4678429287.50496Jul 31, 20191,169.171.201%3.253%64849.4678429287.50496Jul 20, 20191,169.81-2.482%1.303%25977.646529450.30322Jul 20, 20191,202.40-1.438%-1.654%-32976.636843036.60514Jul 25, 20191,219.94-2.192%3.564%71048.143530392.71528Jul 22, 20191,268.482.522%-0.509%-10149.9130831382.55419Jul 22, 20191,268.482.522%-0.509%-10149.9130831382.55419Jul 12, 20191,269.00-1.560%2.956%-58936.17633340.445Jul 19, 20191,27 | Aug 21, 2019 | 1,259.02 | -0.392% | -0.947% | -18877.9414 | 25117.43896 |
| Aug1,266.00-0.795%-1.254%-24998.9009526398.58102Aug1,276.151.059%-2.532%-50470.8558626833.86677Aug1,262.789.693%2.841%56642.6521627224.69992Aug 09,20191,151.190.846%-2.054%-40942.3978427490.01907Aug 08,20191,141.533.872%-3.023%-60257.3679427929.06565Aug 07,20191,098.98-1.676%-6.634%-132252.153528182.611Aug 06,20191,117.71-1.316%0.491%9788.18783828537.31913Aug 05,20191,132.61-3.462%-2.078%-41423.7255428732.07508Aug 02,20191,169.171.201%3.253%64849.4678429287.50496Jul 31,20191,169.171.201%3.253%64849.4678429287.50496Jul 30,20191,169.81-2.482%1.303%25977.646529450.30322Jul 29,20191,199.58-0.235%1.828%36451.9119629636.44825Jul 26,20191,20.40-1.438%-0.839%-16732.891730794.26622Jul 24,20191,247.28-1.134%0.839%-16732.891730794.26622Jul 22,20191,268.482.522%-0.509%-10149.9130831382.55419Jul 24,20191,267.77-1.018%1.847%36829.2030233090.7569Jul 19,20191,250.00-1.560%-2.956%-58936.17633340.445Jul 19,20191,269.81-0.863%1.328% | Aug 20, 2019 | 1,263.97 | -1.288% | -1.318% | -26281.56058 | 25126.0663 |
| Aug 14, 20191,276.151.059%-2.532%-50470.8558626833.86667Aug 13, 20191,262.789.693%2.841%56642.6521627224.69992Aug 09, 20191,151.190.846%-2.054%-40942.3978427490.01907Aug 08, 20191,141.533.872%-3.023%-60257.3679427929.06565Aug 07, 20191,098.98-1.676%-6.634%-132252.153528182.611Aug 06, 20191,117.71-1.316%0.491%9788.18783828537.31913Aug 05, 20191,132.61-3.462%-2.078%-41423.7255428732.07508Aug 02, 20191,173.230.347%1.083%21583.3641828845.32819Aug 01, 20191,169.171.201%3.253%64849.4678429287.50496Jul 31, 20191,169.81-2.482%1.303%25977.646529450.30322Jul 29, 20191,199.58-0.235%1.828%36451.9119629636.44825Jul 26, 20191,20.240-1.438%-1.654%-32976.6368430336.60514Jul 25, 20191,247.28-1.134%-0.839%-16732.891730794.26622Jul 24, 20191,261.59-0.543%2.581%51451.7382531093.79806Jul 22, 20191,268.482.522%-0.509%-10149.9130831382.55419Jul 19, 20191,27.77-1.018%1.847%36829.2030233090.7569Jul 19, 20191,260.00-1.560%-2.956%-58936.17633340.445Jul 19, 20191, | Aug 19, 2019 | 1,280.46 | 1.142% | -3.019% | -60190.58882 | 25266.32097 |
| Aug 13, 20191,262.789.693%2.841%56642.6521627224.69992Aug 09, 20191,151.190.846%-2.054%-40942.3978427490.01907Aug 08, 20191,141.533.872%-3.023%-60257.3679427929.06565Aug 07, 20191,098.98-1.676%6.634%-132252.153528182.611Aug 06, 20191,117.71-1.316%0.491%9788.18783828537.31913Aug 05, 20191,132.61-3.462%-2.078%-41423.7255428732.07508Aug 02, 20191,173.230.347%1.083%21583.3641828845.32819Aug 01, 20191,169.171.201%3.253%64849.4678429287.50496Jul 31, 20191,169.81-2.482%1.303%25977.646529450.30322Jul 29, 20191,199.58-0.235%1.828%36451.9119629636.44825Jul 26, 20191,20.240-1.438%-1.654%-32976.6368430336.60514Jul 25, 20191,219.94-2.192%3.564%71048.143530392.71528Jul 24, 20191,247.28-1.134%-0.839%-16732.891730794.26622Jul 23, 20191,261.59-0.543%2.581%51451.7382531093.79806Jul 22, 20191,268.482.522%-0.509%-10149.9130831382.55419Jul 19, 20191,27.07-1.018%1.847%36829.2030233090.7569Jul 18, 20191,260.00-1.560%-2.956%-58936.17633340.445Jul 17, 20191,269 | Aug 16, 2019 | 1,266.00 | -0.795% | -1.254% | -24998.90095 | 26398.58102 |
| Aug 09, 20191,151.190.846%-2.054%-40942.3978427490.01907Aug 08, 20191,141.533.872%-3.023%-60257.3679427929.06565Aug 07, 20191,098.98-1.676%-6.634%-132252.153528182.611Aug 06, 20191,117.71-1.316%0.491%9788.18783828537.31913Aug 05, 20191,132.61-3.462%-2.078%-41423.7255428732.07508Aug 02, 20191,173.230.347%1.083%21583.3641828845.32819Aug 01, 20191,169.171.201%3.253%64849.4678429287.50496Jul 31, 20191,155.30-1.240%-0.907%-18075.6982329296.46857Jul 30, 20191,169.81-2.482%1.303%25977.646529450.30322Jul 29, 20191,202.40-1.438%-1.654%-32976.6368430336.60514Jul 25, 20191,219.94-2.192%3.564%71048.143530392.71528Jul 24, 20191,261.59-0.543%-0.839%-16732.891730794.26222Jul 22, 20191,268.482.522%-0.509%-10149.9130831382.55419Jul 19, 20191,237.27-1.018%1.847%36829.2030233090.7569Jul 19, 20191,269.81-0.863%-2.956%-58936.17633340.445Jul 17, 20191,269.81-0.863%-1.398%-27876.9373833418.394Jul 16, 20191,280.861.324%0.941% <td< td=""><td>Aug 14, 2019</td><td>1,276.15</td><td>1.059%</td><td>-2.532%</td><td>-50470.85586</td><td>26833.86667</td></td<> | Aug 14, 2019 | 1,276.15 | 1.059% | -2.532% | -50470.85586 | 26833.86667 |
| Aug 08, 20191,141.533.872%1-3.023%-60257.3679427929.06565Aug 07, 20191,098.98-1.676%16.634%-132252.153528182.611Aug 06, 20191,117.71-1.316%0.491%9788.18783828537.31913Aug 05, 20191,132.61-3.462%1-2.078%-41423.7255428732.07508Aug 02, 20191,173.230.347%11.083%21583.3641828845.32819Aug 01, 20191,169.171.201%3.253%64849.4678429287.50496Jul 31, 20191,169.81-2.482%1.303%25977.646529450.30322Jul 29, 20191,199.58-0.235%11.828%36451.9119629636.44825Jul 26, 20191,202.40-1.438%1-1.654%-32976.6368430336.60514Jul 25, 20191,219.94-2.192%3.564%71048.143530392.71528Jul 24, 20191,261.59-0.543%2.5581%51451.7382531093.79806Jul 22, 20191,268.482.522%-0.509%-10149.9130831382.55419Jul 19, 20191,269.21-1.656%-2.956%-58936.17633340.445Jul 17, 20191,269.81-0.863%-2.956%-58936.17633340.445Jul 17, 20191,269.81-0.863%-1.398%-2.7876.9373833418.394Jul 16, 20191,280.861.324%0.941%18762.921133510.94518 | Aug 13, 2019 | 1,262.78 | 9.693% | 2.841% | 56642.65216 | 27224.69992 |
| Aug 07, 20191,098.98-1.676%6-6.634%-132252.153528182.611Aug 06, 20191,117.71-1.316%0.491%9788.18783828537.31913Aug 05, 20191,132.61-3.462%-2.078%-41423.7255428732.07508Aug 02, 20191,173.230.347%1.083%21583.3641828845.32819Aug 01, 20191,169.171.201%3.253%64849.4678429287.50496Jul 31, 20191,155.30-1.240%0.907%-18075.6982329296.46857Jul 30, 20191,169.81-2.482%1.303%25977.646529450.30322Jul 29, 20191,202.40-1.438%0.1.828%36451.9119629636.44825Jul 26, 20191,202.40-1.438%-1.654%-32976.6368430336.60514Jul 25, 20191,219.94-2.192%3.564%71048.143530392.71528Jul 24, 20191,261.59-0.543%2.581%51451.7382531093.79806Jul 22, 20191,268.482.522%-0.509%-10149.9130831382.55419Jul 19, 20191,250.00-1.560%-2.956%-58936.17633340.445Jul 17, 20191,269.81-0.863%-1.398%-27876.9373833418.394Jul 16, 20191,280.861.324%0.941%18762.921133510.94518 | Aug 09, 2019 | 1,151.19 | 0.846% | -2.054% | -40942.39784 | 27490.01907 |
| Aug 06, 20191,117.71-1.316%0.491%9788.18783828537.31913Aug 05, 20191,132.61-3.462%-2.078%-41423.7255428732.07508Aug 02, 20191,173.230.347%1.083%21583.3641828845.32819Aug 01, 20191,169.171.201%3.253%64849.4678429287.50496Jul 31, 20191,155.30-1.240%0.907%-18075.6982329296.46857Jul 30, 20191,169.81-2.482%1.303%25977.646529450.30322Jul 29, 20191,202.40-1.438%1.828%36451.9119629636.44825Jul 26, 20191,219.94-2.192%3.564%-32976.6368430336.60514Jul 25, 20191,247.28-1.134%0.839%-16732.891730794.26622Jul 24, 20191,261.59-0.543%2.581%51451.7382531093.79806Jul 22, 20191,268.482.522%-0.509%-10149.9130831382.55419Jul 19, 20191,250.00-1.560%2.956%-58936.17633340.445Jul 17, 20191,269.81-0.863%-1.398%-27876.9373833418.394Jul 16, 20191,280.861.324%0.941%18762.921133510.94518 | Aug 08, 2019 | 1,141.53 | 3.872% | -3.023% | -60257.36794 | 27929.06565 |
| Aug 05, 20191,132.61-3.462%-2.078%-41423.7255428732.07508Aug 02, 20191,173.230.347%1.083%21583.3641828845.32819Aug 01, 20191,169.171.201%3.253%64849.4678429287.50496Jul 31, 20191,155.30-1.240%-0.907%-18075.6982329296.46857Jul 30, 20191,169.81-2.482%1.303%25977.646529450.30322Jul 29, 20191,199.58-0.235%1.828%36451.9119629636.44825Jul 26, 20191,202.40-1.438%-1.654%-32976.6368430336.60514Jul 25, 20191,219.94-2.192%3.564%71048.143530392.71528Jul 24, 20191,247.28-1.134%-0.839%-16732.891730794.26622Jul 22, 20191,268.482.522%-0.509%-10149.9130831382.55419Jul 9, 20191,257.00-1.560%-2.956%-58936.17633340.445Jul 17, 20191,269.81-0.863%-1.398%-27876.9373833418.394Jul 16, 20191,280.861.324%0.941%18762.921133510.94518 | Aug 07, 2019 | 1,098.98 | -1.676% | -6.634% | -132252.1535 | 28182.611 |
| Aug 02, 20191,173.230.347%1.083%21583.3641828845.32819Aug 01, 20191,169.171.201%3.253%64849.4678429287.50496Jul 31, 20191,155.30-1.240%-0.907%-18075.6982329296.46857Jul 30, 20191,169.81-2.482%1.303%25977.646529450.30322Jul 29, 20191,199.58-0.235%1.828%36451.9119629636.44825Jul 26, 20191,202.40-1.438%-1.654%-32976.6368430336.60514Jul 25, 20191,219.94-2.192%3.564%71048.143530392.71528Jul 24, 20191,247.28-1.134%-0.839%-16732.891730794.26622Jul 22, 20191,268.482.522%2.581%51451.7382531093.79806Jul 19, 20191,237.27-1.018%1.847%36829.2030233090.7569Jul 18, 20191,250.00-1.560%-2.956%-58936.17633340.445Jul 17, 20191,280.861.324%0.941%18762.921133510.94518 | Aug 06, 2019 | 1,117.71 | -1.316% | 0.491% | 9788.187838 | 28537.31913 |
| Aug 01, 20191,169.171.201%3.253%64849.4678429287.50496Jul 31, 20191,155.30-1.240%-0.907%-18075.6982329296.46857Jul 30, 20191,169.81-2.482%1.303%25977.646529450.30322Jul 29, 20191,199.58-0.235%1.828%36451.9119629636.44825Jul 26, 20191,202.40-1.438%-1.654%-32976.6368430336.60514Jul 25, 20191,219.94-2.192%3.564%71048.143530392.71528Jul 24, 20191,247.28-1.134%-0.839%-16732.891730794.26622Jul 23, 20191,261.59-0.543%2.581%51451.7382531093.79806Jul 22, 20191,268.482.522%-0.509%-10149.9130831382.55419Jul 19, 20191,250.00-1.560%-2.956%-58936.17633340.445Jul 17, 20191,269.81-0.863%1.398%-27876.9373833418.394Jul 16, 20191,280.861.324%0.941%18762.921133510.94518 | Aug 05, 2019 | 1,132.61 | -3.462% | -2.078% | -41423.72554 | 28732.07508 |
| Jul 31, 20191,155.30-1.240%-0.907%-18075.6982329296.46857Jul 30, 20191,169.81-2.482%1.303%25977.646529450.30322Jul 29, 20191,199.58-0.235%1.828%36451.9119629636.44825Jul 26, 20191,202.40-1.438%-1.654%-32976.6368430336.60514Jul 25, 20191,219.94-2.192%3.564%71048.143530392.71528Jul 24, 20191,247.28-1.134%-0.839%-16732.891730794.26622Jul 23, 20191,268.482.522%-0.509%-10149.9130831382.55419Jul 19, 20191,237.27-1.018%1.847%36829.2030233090.7569Jul 18, 20191,269.81-0.863%-2.956%-58936.17633340.445Jul 17, 20191,280.861.324%0.941%18762.92113510.94518 | Aug 02, 2019 | 1,173.23 | 0.347% | 1.083% | 21583.36418 | 28845.32819 |
| Jul 30, 20191,169.81-2.482%1.303%25977.646529450.30322Jul 29, 20191,199.58-0.235%1.828%36451.9119629636.44825Jul 26, 20191,202.40-1.438%-1.654%-32976.6368430336.60514Jul 25, 20191,219.94-2.192%3.564%71048.143530392.71528Jul 24, 20191,247.28-1.134%-0.839%-16732.891730794.26622Jul 23, 20191,261.59-0.543%2.581%51451.7382531093.79806Jul 22, 20191,268.482.522%-0.509%-10149.9130831382.55419Jul 19, 20191,237.27-1.018%1.847%36829.2030233090.7569Jul 18, 20191,269.81-0.863%-2.956%-58936.17633340.445Jul 17, 20191,280.861.324%0.941%18762.921133510.94518 | Aug 01, 2019 | 1,169.17 | 1.201% | 3.253% | 64849.46784 | 29287.50496 |
| Jul 29, 20191,199.58-0.235%1.828%36451.9119629636.44825Jul 26, 20191,202.40-1.438%-1.654%-32976.6368430336.60514Jul 25, 20191,219.94-2.192%3.564%71048.143530392.71528Jul 24, 20191,247.28-1.134%-0.839%-16732.891730794.26622Jul 23, 20191,261.59-0.543%2.581%51451.7382531093.79806Jul 22, 20191,268.482.522%-0.509%-10149.9130831382.55419Jul 19, 20191,237.27-1.018%1.847%36829.2030233090.7569Jul 18, 20191,269.81-0.863%-2.956%-58936.17633340.445Jul 17, 20191,269.81-0.863%-1.398%-27876.9373833418.394Jul 16, 20191,280.861.324%0.941%18762.921133510.94518 | Jul 31, 2019 | 1,155.30 | -1.240% | -0.907% | -18075.69823 | 29296.46857 |
| Jul 26, 20191,202.40-1.438%-1.654%-32976.6368430336.60514Jul 25, 20191,219.94-2.192%3.564%71048.143530392.71528Jul 24, 20191,247.28-1.134%-0.839%-16732.891730794.26622Jul 23, 20191,261.59-0.543%2.581%51451.7382531093.79806Jul 22, 20191,268.482.522%-0.509%-10149.9130831382.55419Jul 19, 20191,237.27-1.018%1.847%36829.2030233090.7569Jul 18, 20191,250.00-1.560%-2.956%-58936.17633340.445Jul 17, 20191,269.81-0.863%-1.398%-27876.9373833418.394Jul 16, 20191,280.861.324%0.941%18762.921135510.94518 | Jul 30, 2019 | 1,169.81 | -2.482% | 1.303% | 25977.6465 | 29450.30322 |
| Jul 25, 20191,219.94-2.192%3.564%71048.143530392.71528Jul 24, 20191,247.28-1.134%-0.839%-16732.891730794.26622Jul 23, 20191,261.59-0.543%2.581%51451.7382531093.79806Jul 22, 20191,268.482.522%6-0.509%-10149.9130831382.55419Jul 19, 20191,237.27-1.018%1.847%36829.2030233090.7569Jul 18, 20191,250.00-1.560%6-2.956%-58936.17633340.445Jul 17, 20191,269.81-0.863%-1.398%-27876.9373833418.394Jul 16, 20191,280.861.324%0.941%18762.921133510.94518 | Jul 29, 2019 | 1,199.58 | -0.235% | 1.828% | 36451.91196 | 29636.44825 |
| Jul 24, 20191,247.28-1.134%-0.839%-16732.891730794.26622Jul 23, 20191,261.59-0.543%2.5281%51451.7382531093.79806Jul 22, 20191,268.482.522%-0.509%-10149.9130831382.55419Jul 19, 20191,237.27-1.018%1.847%36829.2030233090.7569Jul 18, 20191,250.00-1.560%4.2.956%-58936.17633340.445Jul 17, 20191,269.81-0.863%-1.398%-27876.9373833418.394Jul 16, 20191,280.861.324%0.941%18762.921133510.94518 | Jul 26, 2019 | 1,202.40 | -1.438% | -1.654% | -32976.63684 | 30336.60514 |
| Jul 23, 20191,261.59-0.543%2.581%51451.7382531093.79806Jul 22, 20191,268.482.522%-0.509%-10149.9130831382.55419Jul 19, 20191,237.27-1.018%1.847%36829.2030233090.7569Jul 18, 20191,250.00-1.560%2.52956%-58936.17633340.445Jul 17, 20191,269.81-0.863%-1.398%-27876.9373833418.394Jul 16, 20191,280.861.324%0.941%18762.921133510.94518 | Jul 25, 2019 | 1,219.94 | -2.192% | 3.564% | 71048.1435 | 30392.71528 |
| Jul 22, 20191,268.482.522%-0.509%-10149.9130831382.55419Jul 19, 20191,237.27-1.018%1.847%36829.2030233090.7569Jul 18, 20191,250.00-1.560%-2.956%-58936.17633340.445Jul 17, 20191,269.81-0.863%-1.398%-27876.9373833418.394Jul 16, 20191,280.861.324%0.941%18762.921133510.94518 | Jul 24, 2019 | 1,247.28 | -1.134% | -0.839% | -16732.8917 | 30794.26622 |
| Jul 19, 20191,237.27-1.018%1.847%36829.2030233090.7569Jul 18, 20191,250.00-1.560%-2.956%-58936.17633340.445Jul 17, 20191,269.81-0.863%-1.398%-27876.9373833418.394Jul 16, 20191,280.861.324%0.941%18762.921133510.94518 | Jul 23, 2019 | 1,261.59 | -0.543% | 2.581% | 51451.73825 | 31093.79806 |
| Jul 18, 20191,250.00-1.560%-2.956%-58936.17633340.445Jul 17, 20191,269.81-0.863%-1.398%-27876.9373833418.394Jul 16, 20191,280.861.324%0.941%18762.921133510.94518 | Jul 22, 2019 | 1,268.48 | 2.522% | -0.509% | -10149.91308 | 31382.55419 |
| Jul 17, 20191,269.81-0.863%-1.398%-27876.9373833418.394Jul 16, 20191,280.861.324%0.941%18762.921133510.94518 | Jul 19, 2019 | 1,237.27 | -1.018% | 1.847% | 36829.20302 | 33090.7569 |
| Jul 16, 2019 1,280.86 1.324% 0.941% 18762.9211 33510.94518 | Jul 18, 2019 | 1,250.00 | -1.560% | -2.956% | -58936.176 | 33340.445 |
| | Jul 17, 2019 | 1,269.81 | -0.863% | -1.398% | -27876.93738 | 33418.394 |
| Jul 15, 2019 1,264.12 -0.344% 0.514% 10255.99725 33541.45856 | Jul 16, 2019 | 1,280.86 | 1.324% | 0.941% | 18762.9211 | 33510.94518 |
| | Jul 15, 2019 | 1,264.12 | -0.344% | 0.514% | 10255.99725 | 33541.45856 |



| | | | | | A positive NPV Training Center |
|--------------|----------|---------|---------|--------------|--------------------------------|
| Jul 12, 2019 | 1,268.48 | -0.082% | -1.570% | -31289.10138 | 33593.01939 |
| Jul 11, 2019 | 1,269.52 | 0.212% | 2.743% | 54679.0483 | 33803.87641 |
| Jul 10, 2019 | 1,266.84 | -0.098% | 2.047% | 40800.26055 | 33967.16573 |
| Jul 09, 2019 | 1,268.08 | 2.241% | -0.042% | -843.1753522 | 34016.72588 |
| Jul 08, 2019 | 1,240.29 | -0.895% | -1.923% | -38326.72639 | 34051.55835 |
| Jul 05, 2019 | 1,251.49 | -1.608% | -0.702% | -13989.74104 | 34062.50453 |
| Jul 04, 2019 | 1,271.94 | 0.113% | 0.670% | 13349.90127 | 35337.6633 |
| Jul 03, 2019 | 1,270.51 | 0.317% | 0.450% | 8973.77201 | 35615.56283 |
| Jul 02, 2019 | 1,266.49 | 0.760% | 1.133% | 22589.59238 | 35688.05385 |
| Jul 01, 2019 | 1,256.94 | 1.258% | 0.161% | 3212.611229 | 35712.57613 |
| Jun 28, 2019 | 1,241.33 | -1.653% | 2.088% | 41618.43927 | 36069.25281 |
| Jun 27, 2019 | 1,262.19 | -1.545% | 4.729% | 94272.19021 | 36126.0104 |
| Jun 26, 2019 | 1,282.00 | -0.131% | 3.343% | 66650.51772 | 36597.42263 |
| Jun 25, 2019 | 1,283.68 | 2.649% | -4.355% | -86826.1923 | 37289.76587 |
| Jun 24, 2019 | 1,250.55 | -1.336% | -1.229% | -24501.31774 | 37657.23597 |
| Jun 21, 2019 | 1,267.49 | -1.330% | -4.272% | -85162.88014 | 37881.61601 |
| Jun 20, 2019 | 1,284.57 | 1.518% | -2.997% | -59738.81353 | 38199.28087 |
| Jun 19, 2019 | 1,265.36 | -0.284% | 0.127% | 2526.19206 | 38199.35354 |
| Jun 18, 2019 | 1,268.97 | -0.102% | 1.758% | 35043.54624 | 38295.413 |
| Jun 17, 2019 | 1,270.26 | -2.675% | 0.209% | 4167.730196 | 38465.43156 |
| Jun 14, 2019 | 1,305.18 | -0.731% | 1.962% | 39112.96574 | 39690.48574 |
| Jun 13, 2019 | 1,314.79 | -0.368% | -2.430% | -48441.14087 | 39900.12746 |
| Jun 12, 2019 | 1,319.64 | 0.226% | -2.992% | -59653.82173 | 40505.91399 |
| Jun 11, 2019 | 1,316.67 | 0.758% | 0.278% | 5550.382835 | 41151.15684 |
| Jun 10, 2019 | 1,306.76 | 0.323% | 0.651% | 12986.10387 | 41152.76222 |
| Jun 07, 2019 | 1,302.55 | -0.938% | -2.433% | -48510.25911 | 41503.1161 |
| Jun 06, 2019 | 1,314.89 | -1.798% | -0.432% | -8617.289235 | 41527.36861 |
| Jun 04, 2019 | 1,338.96 | -0.629% | -0.256% | -5096.068493 | 41533.00536 |
| Jun 03, 2019 | 1,347.43 | 2.259% | -0.627% | -12490.66823 | 41760.21533 |
| May 31, 2019 | 1,317.66 | 0.030% | 0.214% | 4264.224073 | 41760.79253 |
| May 30, 2019 | 1,317.26 | 1.272% | -2.415% | -48141.53537 | 41870.06033 |
| May 29, 2019 | 1,300.72 | -0.808% | -1.063% | -21189.78179 | 42622.72124 |
| May 28, 2019 | 1,311.32 | 1.000% | 1.333% | 26577.79959 | 42904.35939 |
| May 27, 2019 | 1,298.34 | -1.960% | -2.258% | -45017.90603 | 43274.91287 |
| May 24, 2019 | 1,324.30 | 0.222% | 4.406% | 87842.05463 | 43282.51605 |
| May 23, 2019 | 1,321.37 | -0.485% | -1.198% | -23888.81854 | 43922.46824 |
| May 22, 2019 | 1,327.81 | 0.044% | -0.168% | -3342.054925 | 45498.33751 |
| May 21, 2019 | 1,327.22 | 1.048% | -2.884% | -57500.8536 | 45533.28929 |
| May 20, 2019 | 1,313.45 | 4.616% | 3.489% | 69557.53576 | 46064.48203 |
| May 17, 2019 | 1,255.50 | 0.162% | 0.489% | 9748.621571 | 46552.08094 |
| May 16, 2019 | 1,253.47 | 0.672% | 1.913% | 38131.27581 | 46631.26359 |
| May 15, 2019 | | | | | |
| | 1,245.10 | -0.281% | -1.612% | -32144.47961 | 46745.02298 |



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|--------------|----------|---------|---------|---------------|--------------------------------|
| May 13, 2019 | 1,220.48 | -1.527% | -0.534% | -10642.87857 | 47029.74941 |
| May 10, 2019 | 1,239.40 | -0.422% | -0.375% | -7471.405522 | 47447.54403 |
| May 09, 2019 | 1,244.65 | -3.309% | 3.453% | 68836.67198 | 47837.83758 |
| May 08, 2019 | 1,287.25 | -3.278% | -4.213% | -83985.80354 | 48504.76148 |
| May 07, 2019 | 1,330.88 | -2.990% | -1.235% | -24618.9133 | 48647.58865 |
| May 06, 2019 | 1,371.90 | -1.700% | -1.950% | -38867.63102 | 48962.85476 |
| May 03, 2019 | 1,395.62 | 0.270% | 1.730% | 34491.13881 | 49320.1694 |
| May 02, 2019 | 1,391.86 | 0.880% | 2.959% | 58987.42558 | 49480.39912 |
| Apr 30, 2019 | 1,379.72 | 0.000% | 0.685% | 13650.18108 | 49799.70628 |
| Apr 26, 2019 | 1,379.72 | 1.487% | -3.012% | -60052.74321 | 50559.62374 |
| Apr 25, 2019 | 1,359.51 | -1.231% | -0.525% | -10465.3013 | 50614.59832 |
| Apr 24, 2019 | 1,376.45 | 1.881% | -1.594% | -31784.67261 | 50845.56736 |
| Apr 23, 2019 | 1,351.04 | 1.375% | -1.635% | -32586.94025 | 51400.46822 |
| Apr 22, 2019 | 1,332.72 | -2.929% | -2.815% | -56127.81457 | 51462.66494 |
| Apr 18, 2019 | 1,372.94 | 3.141% | 2.144% | 42746.9921 | 51812.76765 |
| Apr 16, 2019 | 1,331.13 | 0.268% | -1.321% | -26341.79099 | 51834.58175 |
| Apr 15, 2019 | 1,327.57 | -0.219% | 2.546% | 50752.0714 | 51983.99906 |
| Apr 12, 2019 | 1,330.49 | -0.274% | 0.363% | 7235.742733 | 52532.32651 |
| Apr 11, 2019 | 1,334.15 | 1.156% | -1.614% | -32183.0917 | 52536.51015 |
| Apr 10, 2019 | 1,318.90 | -0.228% | -0.746% | -14876.83551 | 52885.0067 |
| Apr 09, 2019 | 1,321.92 | 0.391% | -3.856% | -76865.92484 | 53282.96367 |
| Apr 08, 2019 | 1,316.77 | -1.821% | -2.991% | -59617.62625 | 54089.24353 |
| Apr 05, 2019 | 1,341.19 | 0.063% | 1.723% | 34340.77608 | 54465.77534 |
| Apr 04, 2019 | 1,340.34 | -1.611% | -1.992% | -39716.60273 | 54524.90967 |
| Apr 03, 2019 | 1,362.29 | -1.043% | -0.668% | -13326.66507 | 54617.10894 |
| Apr 02, 2019 | 1,376.65 | -0.154% | 2.650% | 52831.61347 | 54875.62435 |
| Apr 01, 2019 | 1,378.78 | 2.098% | -0.133% | -2655.727734 | 55233.53487 |
| Mar 29, 2019 | 1,350.45 | 0.239% | -0.964% | -19224.97442 | 55814.47342 |
| Mar 28, 2019 | 1,347.23 | 0.797% | -4.666% | -93012.2313 | 56063.40679 |
| Mar 27, 2019 | 1,336.58 | -1.316% | -2.608% | -51987.56604 | 56221.93601 |
| Mar 26, 2019 | 1,354.41 | 3.232% | -0.180% | -3586.835747 | 56242.86422 |
| Mar 25, 2019 | 1,312.01 | -1.290% | 2.391% | 47667.1872 | 56567.14581 |
| Mar 22, 2019 | 1,329.15 | -2.450% | 4.054% | 80817.22035 | 57265.21948 |
| Mar 20, 2019 | 1,362.53 | -0.080% | -1.778% | -35452.91787 | 57428.68743 |
| Mar 19, 2019 | 1,363.62 | 1.963% | -0.833% | -16607.80941 | 57522.59397 |
| Mar 18, 2019 | 1,337.37 | 2.149% | -0.955% | -19043.58026 | 57715.10643 |
| Mar 15, 2019 | 1,309.24 | -1.483% | -1.967% | -39215.12128 | 58382.85313 |
| Mar 14, 2019 | 1,328.95 | -0.427% | 0.940% | 18730.89194 | 58689.31668 |
| Mar 13, 2019 | 1,334.65 | 1.198% | 4.820% | 96089.85622 | 59192.27213 |
| Mar 12, 2019 | 1,318.85 | 2.090% | -3.205% | -63887.46864 | 59770.08407 |
| Mar 11, 2019 | 1,291.85 | 2.920% | 0.539% | 10745.01046 | 60123.24413 |
| Mar 08, 2019 | 1,255.20 | -0.248% | -3.591% | -71582.88254 | 60298.8895 |
| | 1,235.20 | 0.24070 | 5155170 | / 1001.0010 . | 00100000 |



| | | | | | A positive NPV Training Center |
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| Mar 06, 2019 | 1,252.92 | 2.193% | 3.662% | 73012.41709 | 61965.4776 |
| Mar 05, 2019 | 1,226.03 | 0.946% | 1.516% | 30222.22111 | 63080.14541 |
| Mar 01, 2019 | 1,214.54 | -0.406% | 2.839% | 56596.53873 | 63142.27086 |
| Feb 28, 2019 | 1,219.49 | 0.617% | 0.498% | 9937.290209 | 64040.0298 |
| Feb 27, 2019 | 1,212.01 | 0.266% | -2.097% | -41810.79747 | 64861.4541 |
| Feb 26, 2019 | 1,208.79 | -0.978% | -0.649% | -12939.97155 | 65053.78491 |
| Feb 25, 2019 | 1,220.73 | -0.004% | -1.284% | -25602.37264 | 65870.18501 |
| Feb 22, 2019 | 1,220.78 | -1.167% | 4.154% | 82810.67029 | 65901.40526 |
| Feb 21, 2019 | 1,235.19 | 1.017% | 1.152% | 22970.50047 | 66085.68186 |
| Feb 20, 2019 | 1,222.76 | 1.501% | -3.214% | -64081.62538 | 66340.94278 |
| Feb 19, 2019 | 1,204.68 | -0.328% | 1.228% | 24483.26652 | 66404.94219 |
| Feb 18, 2019 | 1,208.64 | -1.957% | 0.619% | 12345.07339 | 66425.78147 |
| Feb 15, 2019 | 1,232.76 | 1.654% | -1.602% | -31936.70689 | 69566.34998 |
| Feb 14, 2019 | 1,212.70 | -1.746% | 0.770% | 15352.74876 | 69617.29396 |
| Feb 13, 2019 | 1,234.25 | -0.832% | 3.026% | 60324.64088 | 70466.02154 |
| Feb 12, 2019 | 1,244.60 | 0.251% | 4.667% | 93036.33316 | 70733.40084 |
| Feb 11, 2019 | 1,241.48 | -1.914% | 0.870% | 17338.18773 | 70947.67635 |
| Feb 08, 2019 | 1,265.70 | -0.984% | 0.030% | 594.0078791 | 71076.29075 |
| Feb 07, 2019 | 1,278.28 | -1.515% | 0.878% | 17502.9309 | 73178.34144 |
| Feb 06, 2019 | 1,297.95 | 1.448% | -1.317% | -26246.36742 | 73529.53917 |
| Feb 05, 2019 | 1,279.42 | 0.050% | 0.867% | 17286.89545 | 73532.35405 |
| Feb 04, 2019 | 1,278.78 | 3.277% | 0.958% | 19107.05762 | 74082.58002 |
| Feb 01, 2019 | 1,238.21 | 1.857% | -1.802% | -35925.28104 | 74542.0109 |
| Jan 31, 2019 | 1,215.63 | 2.631% | -1.391% | -27735.09495 | 76080.86588 |
| Jan 30, 2019 | 1,184.47 | -1.235% | -1.097% | -21875.8665 | 76161.99156 |
| Jan 29, 2019 | 1,199.28 | -1.537% | 0.593% | 11827.50487 | 76266.32821 |
| Jan 28, 2019 | 1,218.00 | -1.321% | -0.740% | -14750.35517 | 78546.39121 |
| Jan 25, 2019 | 1,234.30 | -0.117% | -2.212% | -44106.24411 | 79388.49651 |
| Jan 24, 2019 | 1,235.74 | 1.725% | 0.914% | 18224.36724 | 79866.13052 |
| Jan 23, 2019 | 1,214.79 | -0.716% | 0.113% | 2244.672021 | 80579.75189 |
| Jan 22, 2019 | 1,223.55 | -0.206% | 0.041% | 823.4303818 | 80588.30813 |
| Jan 21, 2019 | 1,226.08 | 4.505% | 1.753% | 34955.09599 | 80647.21082 |
| Jan 18, 2019 | 1,173.23 | 4.398% | -0.557% | -11102.78748 | 80739.03517 |
| Jan 17, 2019 | 1,123.80 | -0.127% | -0.714% | -14237.97066 | 82586.97697 |
| Jan 16, 2019 | 1,125.23 | 0.553% | -2.570% | -51230.87469 | 82591.02759 |
| Jan 15, 2019 | 1,119.04 | 2.995% | 4.243% | 84593.18557 | 83336.47898 |
| Jan 14, 2019 | 1,086.50 | -0.114% | 4.030% | 80349.42062 | 83393.59501 |
| Jan 11, 2019 | 1,087.74 | -0.853% | 0.371% | 7394.610007 | 83702.85832 |
| Jan 10, 2019 | 1,097.10 | -0.293% | -4.703% | -93755.05216 | 83779.9709 |
| Jan 09, 2019 | 1,100.32 | 0.552% | -2.093% | -41726.36235 | 85827.9338 |
| Jan 08, 2019 | 1,094.28 | -0.009% | -2.096% | -41787.33457 | 87945.06131 |
| Jan 07, 2019 | 1,094.38 | 0.556% | 1.493% | 29770.53411 | 88207.16816 |
| Jan 04, 2019 | 1,088.33 | 0.539% | -1.665% | -33198.24515 | 88209.85625 |

| | | | | | A positive NPV Training Center |
|--------------|----------|---------|---------|--------------|--------------------------------|
| Jan 03, 2019 | 1,082.49 | -1.234% | -0.602% | -12002.4688 | 91781.5285 |
| Jan 02, 2019 | 1,096.01 | -1.302% | -2.914% | -58093.04278 | 93068.77218 |
| Jan 01, 2019 | 1,110.47 | -0.023% | 1.386% | 27624.8011 | 93743.61605 |
| Dec 31, 2018 | 1,110.72 | -0.382% | -1.890% | -37670.16141 | 94118.32796 |
| Dec 28, 2018 | 1,114.98 | 0.478% | 2.170% | 43260.6605 | 95027.28219 |
| Dec 27, 2018 | 1,109.68 | 1.989% | -0.865% | -17234.31093 | 95286.2021 |
| Dec 26, 2018 | 1,088.04 | 0.845% | -1.365% | -27219.1721 | 95710.90162 |
| Dec 24, 2018 | 1,078.92 | -1.005% | -1.808% | -36051.54447 | 96598.90861 |
| Dec 21, 2018 | 1,089.87 | -2.503% | 2.054% | 40945.60776 | 96833.32239 |
| Dec 20, 2018 | 1,117.85 | -0.735% | 3.282% | 65431.6069 | 97112.80807 |
| Dec 19, 2018 | 1,126.13 | 0.036% | 0.951% | 18950.75271 | 98028.38839 |
| Dec 18, 2018 | 1,125.73 | 0.575% | 0.767% | 15290.79644 | 101876.122 |
| Dec 17, 2018 | 1,119.29 | 1.591% | 2.564% | 51118.06286 | 104869.5092 |
| Dec 14, 2018 | 1,101.76 | 0.466% | -1.614% | -32184.01486 | 109597.668 |
| Dec 13, 2018 | 1,096.65 | -0.311% | -2.760% | -55023.64124 | 111940.8558 |
| Dec 12, 2018 | 1,100.07 | 1.180% | 0.966% | 19259.1847 | 114446.8485 |
| Dec 11, 2018 | 1,087.24 | 0.669% | -0.044% | -883.4967472 | 115920.6956 |
| Dec 10, 2018 | 1,080.01 | -3.841% | -2.995% | -59703.88838 | 130996.0859 |
| Dec 07, 2018 | 1,123.15 | 0.903% | 0.409% | 8155.448905 | 183708.9748 |

Option A. It can be useful for estimating the standalone risk of a project

The statement is correct. MCS can be used to calculate both Standalone risk of a project as well as the risk of a Portfolio.

Option B. It is capable of using probability distribution for variables as input data.

The statement is correct. This is exactly what we do in MCS. We take a risk factor and assume a certain distribution. In my notes I had dictated, suppose normal, binomial or Poisson distribution and then we pick up a random value from those distributions.

Option C. It is the most accurate risk analysis tool because it is based on real data.

The statement is incorrect. It is not the most accurate because it based on many assumptions of model, distributions and all that. So, it is not correct at all. Moreover, It is not based upon real data, it based upon hypothetical assumptions of distributions.



Option D. It produces both an expected value and a measure of the variability of that value.

The statement is correct. We do calculate Mean and SD from the distribution of Portfolio Values generated.

Sanjay Sir's Comment :

The question was simple and people should have got it right. Average **Performance would be good.**



DESCRIPTIVE QUESTIONS

3.6. The CRO's role has become all pervasive in most companies across the Globe – specially companies in the Energy sector, Technology sector, Financial Sector and other Risk intensive sectors.

CRO is the Organizational Leader for ERM. He/She should have the courage to push back on management, if they are steering the company into a direction where a company shouldn't go – taking on excessive risk or some kind of ethical or compliance issues – just that day to day safeguard and having the courage to push back is the attribute that's quintessential.

To provide organizational leadership to ensure that the company is moving in the right direction w.r.t. ERM program – the right people, process and technology.

Addressing day to day issues – Risky events, regulatory events, specific losses or incidents of responding to issues are the other key roles of the CRO.

Working with the board and making sure that the board is well served in it's Governance and Oversight responsibilities - providing the board with good reporting measurements.

Sanjay Sir's Comment :

This question is a clear cut portrayal of the fact that cut-copy-paste is not what you can do in an elective paper. Of course you know what is ERM and who is a CRO. However, you have to relate them in this question. I would be surprised if ICAI Copy-Pastes the write-up on CRO from the Study Mat which is not connected to ERM.



3.7. A . OBSTACLES IN IMPLEMENTING ERM

- **1.** CRO is yet to get authority and functional autonomy and is facing obstacle from the CEO.
- 2. Internal Audit team is not providing required support in the ERM implementation exercise as they believe this will reduce their authority in the organization.
- **3.** While STEPOIL's executive officers were generally positive to the idea behind ERM, they still demand to know "What's in it for us?"
- **4.** A large number of executives and some board members still feel that ERM is an administrative burden.
- 5. While, the CRO wishes to use VaR techniques for quantifying risks so that it's easier for the Board to understand, some of the Board Members has apprehension about effectiveness of the technique, considering it's mechanical process and limitation.
- **6.** The Cyber Security team, managing the BCP argues that the BCP should not be linked to ERM and managed Separately.

ADDRESSING THE OBSTACLES

1. Winning support and sponsorship from the Top management is a precursor

The Board of directors should sponsor the ERM function and activities by providing the right focus, resources and attention for ERM.

The organization and who has accepted responsibility for overall ERM leadership, resources and support to accomplish the effort.

- 2. The CRO demonstrated efforts of Mr. Aman and the benefits STEPOIL is getting after analysis of the costs and benefits from various financial transactions, mostly hedging and FX transactions going on in the company. They were able to show that the number of transactions, based on silo thinking were staggeringly high and made no sense at all.
- **3.** The CRO is trying his best to convince the Board about developing a sophisticated approach to ERM that centers on the principle of value creation and has a vision to ensure that ERM is thoroughly embedded in



business unit's way of doing things despite the fact that it is yet to enjoy the wholehearted support of STEPOIL's executive officers and Board of Directors.

- **4.** The CRO promised to get an assessment of risk culture done from an independent consultant, for which the Board is concerned about.
- 5. The ERM team should identify small number of critical and strategic risks that can be managed and then evolve from this start. This helps the organization's executives actually witness the achievement of ERM milestones, thereby being more confident about implementing the same.
- 6. Embed ERM into the Business fabric of the organization.

Β.

- Traditionally, business continuity and risk management were content to coexist in very separate "silos" of responsibility, failing to take advantage of the efficiencies offered by integrated risk assessment and treatment.
- ERM provides the context to understand risks and how they interact with the business enterprise.
- Integrating BCP as part of a comprehensive ERM program allows a more reasoned and less emotional understanding of the universe of business risks faced by the company. This approach produces efficiencies with regards to how organizations react to catastrophic risk.
- In order to take risks intelligently, the organization needs a construct to evaluate risks from the boardroom to the mailroom – from power outages to hurricanes to data management or threats to brand equity.
- ERM provides a common governance structure that brings these disciplines together to provide oversight of the process and how it is pro-actively addressing risks like reputation, data quality, privacy of information and, yes, business interruption.
- By viewing BCP as a risk management function and embedding it into the enterprise level ERM program, which has been aligned with the strategic imperatives of the company, boardroom expectations are met and alignment achieved.



• The BCM program's effectiveness analysis provides a feedback loop to the overall ERM program, thereby providing comfort that resiliency and recoverability efforts reduce interruption risk impact.

ILLUSTRATION

To illustrate how BCM and ERM can work together, consider a regulated company that needs to make state filings for rate increases. During the BIA, it was reported that the risk of lost revenue from not making timely filings (as a result of a major, unexpected disruption like a fire or long term power outage for example) would be in the range of \$2 - \$5 million per week. Through the BIA lens, then, this department would be deemed critical.

After the BIA, the people in the department responsible for the filings were interviewed using an ERM process of risk profiling. The risk of not making the filing (interruption of services from the filings department) was evaluated according to impact (similar to BIA but with an established ERM scale and criterion), likelihood and effectiveness of controls. These factors were combined into a single risk index for that specific department. It was determined that the risk index was relatively low due to existing controls including the ability to re-file renewal increases post disaster. This perspective indicates that the filings department is not "critical" after all. In other areas, the Enterprise Risk Management Assessment supported the BIA findings. For example, customer service functions were critical under both the BIA and the ERM assessment. What this supports is a decision around the application of limited resources. Developing extensive plans to recover customer service areas within a minimal amount for downtime is essential. Allocating resources to recover the filings department is foolish. Ah, the efficiency of ERM!



3.8. Stress Testing

The method suggested by Board Member is known as Stress Testing Stress testing as a formal discipline for risk and capital management was born out of financial crises. Stress tests had previously been carried out for certain types of risk or for specific portfolios, but rarely for all the risks faced by an entire enterprise. For example, market risk stress testing was widely adopted in 1990s to supplement VaR measures, whose calculations tend to underestimate extreme losses. While these narrow stress tests were useful for managing specific risks or portfolios, they shed light on the overall effect that a stress event would have on an institution.

In case of STEPOIL, the method of Stress Testing suggested is the factor push method where, we calculate Stressed VaR by shocking risk factors by 10 SD.



3.9. Standard Way of Stress Testing



The above exhibit clearly provides a step-by-step process by which stress testing can be integrated into the decision-making system of a typical financial institution. The first step in the process is the generation of various scenarios. The scenario development incorporates both historical and hypothetical states of macroeconomic variables. It is important to select scenarios that appropriately reflect the idiosyncratic business profile of a particular financial institution.

The second step involves the segmentation of the current risk exposures with particular focus on risk concentration. It is essential to have detailed record of historical losses that correspond to the same level of granularity as the current exposure to enable temporal analysis. Historical losses in the form of



defaults, loss severities, and exposure details are explained by macroeconomic scenarios using regression based techniques.

The consequent relationships are then applied to the current portfolio to generate current assessments of income and expenses, losses and capital ratios etc. These results are then compared to the desired risk appetite of the financial institution. In case of a mismatch between actual and potential risk appetite, de-risking options could have an impact on the capital policy decisions of the financial institutions especially decisions involving dividends, share buybacks and compensation policies. The entire process is subjected to governance oversight at every level, beginning with scenario and model validation, to internal controls over data, and finally ending with clear communication and review by senior executives and the various board committees.

Information Provide by Stress Testing

Almost all surveyed institutions use stress testing to measure capital adequacy. However, half or more also use it for risk reporting, risk appetite, limit setting and management, and various planning exercises (e.g. financial, strategic and contingency)

Examples of such extended uses of stress testing are:

- Risk Reporting Stress testing results are often used to report levels of risk in business activities – for example, by reporting the credit losses by portfolio in various stress scenarios would cause in specific portfolios, or by showing a business unit's contribution to the P&L in a stress scenario.
- Strategic Planning These results are increasingly integrated into business
 planning as institutions look to understand the impact of stress scenarios on
 alternative strategies and especially on the ability to pay dividends.
- Risk Appetite Stress testing is increasingly being integrated into risk appetite, using tolerance for outcome in a stress to set risk appetite and cascade it down to risk appetite/ tolerance to individual products/ businesses.
- Limits Stress testing expressions of risk appetite are often cascaded into limits at the enterprise level.



To a lesser extent, banks are using stress testing to inform capital allocation, credit portfolio structuring, performance measurement and management, pricing and original strategy.

Stress Test compliments VaR

While VaR measures risk under normal circumstances, stress Test measures risk under abnormal circumstances.

The impetus for setting up enterprise-wide stress testing in most regulatory requirement around capital adequacy jurisdictions а was assessment. As a result, the early use of stress testing was narrow, focusing on whether there was sufficient capital to survive a stress event and what capital actions such as dividend payments etc. were possible. However, financial institutions have since built up their stress testing capabilities and explored ways of using it to the meet broader risk management and business objectives, specifically, for which applications or decisions will stress testing, will be a key input or a driver? Should risk appetite be articulated environment? based upon tolerances in a stress Should capital requirements from stress testing be used for performance management or loan pricing?

Various Reasons for incorporating stress testing results into a broader set of such risk and business applications.

- Binding Constraint Stress test results have become the binding constraint for evaluating capital adequacy and the key driver of dividend policy for many institutions.
- Management attention Given its linkage to dividend payments, as well as the governance requirements demanded by regulators, stress testing has the attention of senior management and the board of directors.
- Intuition Many users find stress results to be more intuitive than other risk metrics because they are presented in an accounting framework, similar to other external communications regarding the institution's financial condition.



- **Transparency** As outcomes are linked to casual factors in stress testing, such results are also more transparent and easier to understand than other risk metrics (such as economic capital).
- Consistency The enterprise wide stress testing usually piggybacks the budgeting and planning process, which gives a degree of consistency with the inputs and approaches accepted already in a well established process.