

Example 10

X	$(x - \bar{x})$	$(x - \bar{x})^2$
14	-1.4	1.96
15	-0.4	0.16
16	-0.1	0.01
17	0.4	0.16
18	0.3	0.09
19	1.6	2.56
$\bar{x} = 9.4$		<u>5.14</u>
$n = 6$		

$$s = \sqrt{\frac{\sum (x - \bar{x})^2}{n - 1}}$$

$$= \sqrt{\frac{5.14}{6 - 1}}$$

$$= 1.037$$
$$\approx 1.067$$

& $\text{cov} = \frac{\text{Sd.}}{\text{mean}} \times 10$

$$= \frac{1.03}{4.4}$$

$$\approx 0.234$$

$$\approx 23.4$$