

2023.07.05

$$x = (12, 11, 9, 5, 12, 6, 7, 9, 11, 11)$$

$$\begin{aligned} \bar{x} &= \frac{1}{10} (12 + 11 + 9 + 5 + 12 + 6 + 7 + 9 + 11 + 11) \\ (\text{平均}) & \\ &= \frac{93}{10} = 9.3 \end{aligned}$$

| $x$      | $x - \bar{x}$ | $(x - \bar{x})^2$ |
|----------|---------------|-------------------|
| 12       | 2.7           | 7.29              |
| 11       | 1.7           | 2.89              |
| 9        | -0.3          | 0.09              |
| 5        | -4.3          | 18.49             |
| 12       | 2.7           | 7.29              |
| 6        | -3.3          | 10.89             |
| 7        | -2.3          | 5.29              |
| 9        | -0.3          | 0.09              |
| 11       | 1.7           | 2.89              |
| 11       | 1.7           | 2.89              |
| $\Sigma$ | 93            | 58.1              |

$$s_x^2 = \frac{58.1}{9} = 6.455\overline{5} \dots \doteq 6.5$$

(分散)