

⑤ data : 1, 3, 10, 2, 9, 6

$$\text{Sample Mean} = \frac{1+3+10+2+9+6}{6} = \frac{31}{6} = 5.1667$$

(\bar{x})

$$\boxed{\bar{x} = 5.1667}$$

$$\text{Sample Variance} = s^2 = \frac{1}{n-1} \sum_{i=1}^n (x_i - \bar{x})^2$$

$$= \frac{1}{6-1} \left[(1-5.167)^2 + (3-5.167)^2 + (10-5.167)^2 + (2-5.167)^2 + (9-5.167)^2 + (6-5.167)^2 \right]$$

$$s^2 = 14.1667$$

$$\boxed{\text{Sample Variance } s^2 = 14.167}$$