

$$\begin{aligned} \bar{X} &= \frac{1}{n} \sum_{i=1}^n X_i, \quad \bar{Y} = \frac{1}{n} \sum_{i=1}^n Y_i, \\ \bar{X}^2 &= \frac{1}{n} \sum_{i=1}^n X_i^2, \quad \bar{Y}^2 = \frac{1}{n} \sum_{i=1}^n Y_i^2, \\ \bar{XY} &= \frac{1}{n} \sum_{i=1}^n X_i Y_i, \quad \bar{X} \bar{Y} = \bar{X} \bar{Y}, \\ \bar{X} \bar{Y} &= \bar{X} \bar{Y}, \quad \bar{X} \bar{Y} = \bar{X} \bar{Y} \end{aligned}$$