• 55E =
$$\sum_{i=1}^{h} (e_i)^2 = \sum_{i=1}^{h} (Y_i - \hat{y}_i)^2 = \sum_{i=1}^{h} (Y_i - \beta x_i - \alpha)^2$$

$$\frac{6556}{60} = 2 \cdot \sum_{i=1}^{h} (Y_i - \theta_{\alpha_i} - \alpha) \times (-\alpha_i) = 0$$

$$\frac{\partial 45\xi}{\partial x} = 2 \cdot \sum_{i=1}^{n} (Y_i - \theta x_i - x) \times -1 = 0$$

$$\sum_{i=1}^{h} (-\alpha_{i}Y_{i} + \theta \cdot (\alpha_{i})^{2} + \alpha \cdot \alpha_{i})^{2} = 0$$

$$(=) \frac{h}{3} \cdot \sum_{i=1}^{h} (\alpha_{i})^{2} + \alpha \cdot \sum_{i=1}^{h} \alpha_{i} = \sum_{i=1}^{h} (-\alpha_{i}Y_{i})^{2} + \alpha \cdot \sum_{i=1}^{h} \alpha_{i} = 0$$

$$\sum_{i=1}^{h} (-\alpha_{i}Y_{i} + \alpha_{i}X_{i} + \alpha_{i})^{2} = 0$$

$$\sum_{i=1}^{h} (-\alpha_{i}Y_{i} + \alpha_{i}X_{i} + \alpha_{i})^{2} = 0$$

$$\sum_{i=1}^{h} (-Y_i + \beta \cdot x_i + x) = 0$$

$$\langle - \rangle = \int_{i=1}^{h} d_{i} + x \cdot h = \int_{i=1}^{h} Y_{i} \left(\frac{d_{i}}{d_{i}} \right) = \int_{i=1}^{h} \chi_{i} + x \cdot h = \int_{i=1}^{h} \chi_{i} \left(\frac{d_{i}}{d_{i}} \right) = \int_{i=1}^{h} \chi_{i} \cdot \int_{i=1}^{h} \chi_{i$$

•
$$0 - 2$$
: $3\left(\sum_{i=1}^{h} x_{i}^{2} - \overline{x} \cdot \sum_{i=1}^{h} x_{i}\right) = \sum_{i=1}^{h} x_{i} \cdot Y_{i} - h \cdot \overline{x} \cdot \overline{Y}$

$$(=) 0 = \frac{\sum_{i=1}^{h} x_{i} \cdot Y_{i}}{\sum_{i=1}^{h} x_{i}^{2} - h \cdot \overline{x}^{2}}$$

$$\begin{array}{c}
\frac{\sum\limits_{i=1}^{n}\chi_{i}\Upsilon_{i}-n\cdot\overline{n}\cdot\overline{\Upsilon}}{\sum\limits_{i=1}^{n}\chi_{i}^{2}-n\cdot\overline{n}^{2}} & \chi = \overline{\Upsilon}-\Omega\cdot\overline{\Upsilon} \\
\frac{\sum\limits_{i=1}^{n}\chi_{i}^{2}-n\cdot\overline{\Upsilon}^{2}}{2} & \chi = \overline{\Upsilon}
\end{array}$$

$$\tilde{n} = \frac{1+2+3}{3} = 2$$
, $\tilde{\gamma} = \frac{1+2+3}{3} = 2$

$$\cdot \beta = \frac{(1 \times 1 + 2 \times 3 + 3 \times 2) - 3 \times 2 \times 2}{(1 + 4 + 9) - 3 \times 4} = \frac{1}{2}$$

·
$$\chi = 2 - \frac{1}{2} \times 2 = 1$$

· 到别公、 分二十十