

$$\widehat{W} = \frac{\sum_{i=1}^{8} (x_i - \overline{x})(y_i - \overline{y})}{\sum_{i=1}^{8} (x_i - \overline{x})^2} = \frac{S_{xy}}{S_{xx}}$$

$$Z \hat{Z} = 14.0625$$
, $\hat{y} = 8700$,

$$S_{xy} = 32791.75 + 6393.75 + 742.5 + 11816.25 + 44843.75 + 14550 + 1442.75 + 5118.75 = 117700$$

$$S_{xx} = 78.5439 + 18.1689 + 1.5314 + 26.3939 + 119.6389$$

$$\vec{b} = \vec{y} - \vec{z} \hat{w} = 391.3$$
, $\hat{b} = \vec{y} - \vec{z} \hat{w} = 3197$

7. 強性回归方程

$$y = 391.3 \times +3197$$

回归系数 $r^2 = \frac{Say}{S_{XX}Syy} = 0$

回归系数
$$r^2 = \frac{Say}{S_{XX}Syy} = 0.9939$$
(3) MAE = $\frac{1}{8}\sum_{i=1}^{8} |y_i - \hat{y}_i| = 170.1$

得
$$\log ZP(Y=k) = \beta_k \chi$$

$$P(Y=k) = \frac{1}{2}e^{\beta_k \chi}$$

$$Z \sum_{j=1}^{k} P(Y=j) = \sum_{j=1}^{k} \frac{1}{2}e^{\beta_j \chi} = 1$$

(1)