

$$\hat{\beta}_{i} = \beta_{i} + \beta_{i} + \beta_{i} + \alpha_{i}$$

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 $\sum_{i=1}^{n} \sum_{j=1}^{n} \sum_{i=1}^{n} \sum_{j=1}^{n} \sum_{j$

\$)

$$Q(S_n) = \beta_1 \times_1 \times_{n+1} \quad \text{find} \quad \hat{\beta}_1$$

$$\hat{\beta}_1 = \text{original } \sum_{j=1}^{n} (y_j - \hat{b}_1 \times_1)^2$$

$$\hat{\beta}_2 = \sum_{j=1}^{n} (y_j - \hat{b}_1 \times_1)^2$$

$$= \sum_{j=1}^$$

$$V_{ov} / \tilde{\beta}_{1} \rangle = \left(\frac{1}{2} \right)^{2} V_{ov} \left(\sum_{x \in u_{1}} v_{i} \right)^{2}$$

$$= \left(\frac{1}{2} \right)^{2} \sum_{x \in u_{1}} V_{ov} \left(x \in u_{1} \right)^{2}$$

$$= \left(\frac{1}{2} \right)^{2} \sum_{x \in u_{1}} V_{ov} \left(u_{1} \right)^{2}$$

$$= \delta^{2} \left(\frac{1}{2} \right)^{2} \sum_{x \in u_{1}} V_{ov} \left(u_{1} \right)^{2}$$

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