$$\hat{y}_{i} = \beta_{0} + \beta_{i} X_{i} \qquad \hat{y}_{i} = \beta_{0} + \beta_{i} X_{i} + \xi_{i}$$

$$\hat{\xi}_{i} = y_{i} - \hat{y}_{i} \qquad \hat{\xi}_{i} \qquad \hat{\xi}_{i} = \xi_{i} \qquad (y_{i} - \hat{y}_{i})^{2}$$

$$= \xi_{i} \qquad (y_{i} - \beta_{0} - \beta_{i} X_{i})^{2} \qquad \text{page do codein}$$

$$\hat{\xi}_{i} = 0 \qquad \hat{\xi}_{i} \qquad \hat{\xi}_{i} \qquad \hat{\xi}_{i} \qquad \hat{\xi}_{i} \qquad \hat{\xi}_{i} \qquad \hat{\xi}_{i}$$

$$\hat{\xi}_{i} = 0 \qquad \hat{\xi}_{i} \qquad \hat{\xi}_{i} \qquad \hat{\xi}_{i} \qquad \hat{\xi}_{i} \qquad \hat{\xi}_{i} \qquad \hat{\xi}_{i} \qquad \hat{\xi}_{i}$$

$$\hat{\xi}_{i} = 0 \qquad \hat{\xi}_{i} \qquad \hat{\xi$$

$$\frac{\partial \xi}{\partial \beta_0} - 2 \left[\underbrace{\xi_M, \xi_\beta}_{h}, \beta_0 - \beta_1, \xi_M \right] \times$$

$$\frac{\partial G}{\partial v} = -2(y - \beta_0 - \beta_1 \overline{X}) = 0$$

$$-4y + 2\beta_1 \overline{X} = -\beta_0$$

$$-y + \beta_1 \overline{X} = -\beta_0$$

$$+ \beta_1 \overline{X} = -\beta_0$$

$$\frac{\partial \mathcal{E}}{\partial \beta_{1}} = (-Q) \underbrace{\begin{cases} x_{1}(y_{1} - \beta_{0} - \beta_{1}x_{1}) = 0 \\ -(-Q) (\underbrace{\xi_{x_{1}y_{1}}} - \beta_{0} \underbrace{\xi_{x_{1}}} - \beta_{1} \underbrace{\xi_{x_{1}}}) = 0 \end{cases}}_{=(-Q) (\underbrace{\xi_{x_{1}y_{1}}} - \underbrace{\beta_{0} \underbrace{\xi_{x_{1}}}}_{Sobstitui} \underbrace{\delta_{0}}_{Sobstitui} \underbrace{\delta_{0}}_{Sobstitui} \underbrace{\xi_{x_{1}}}_{Az} \underbrace{\lambda_{1}y_{1}}_{Az} - \underbrace{\beta_{1} \underbrace{\xi_{1}}}_{Az} \underbrace{\lambda_{2} \underbrace{\lambda_{1}}}_{Az} + (\underbrace{\beta_{1}x_{1}} - \underbrace{y_{1}}\underbrace{\xi_{1}}_{Az} - \underbrace{y_{1}}\underbrace{\xi_{1}}_{Az} + \underbrace{\lambda_{2}}_{Az}) = 0$$

$$\underbrace{\begin{cases} x_{1} - x_{1} \\ x_{2} - x_{2} \end{cases}}_{Az} \underbrace{\begin{cases} x_{1} - x_{1} \\ x_{2} - x_{2} \end{cases}}_{Az} \underbrace{\begin{cases} x_{1} - x_{1} \\ x_{2} - x_{2} \end{cases}}_{Az} \underbrace{\begin{cases} x_{1} - x_{1} \\ x_{2} - x_{2} \end{cases}}_{Az} \underbrace{\begin{cases} x_{1} - x_{1} \\ x_{2} - x_{2} \end{cases}}_{Az} \underbrace{\begin{cases} x_{1} - x_{1} \\ x_{2} - x_{2} \end{cases}}_{Az} \underbrace{\begin{cases} x_{1} - x_{1} \\ x_{2} - x_{2} \end{cases}}_{Az} \underbrace{\begin{cases} x_{1} - x_{1} \\ x_{2} - x_{2} \end{cases}}_{Az} \underbrace{\begin{cases} x_{1} - x_{2} \\ x_{2} - x_{2} \end{cases}}_{Az} \underbrace{\begin{cases} x_{1} - x_{2} \\ x_{2} - x_{2} \end{cases}}_{Az} \underbrace{\begin{cases} x_{1} - x_{2} \\ x_{2} - x_{2} \end{cases}}_{Az} \underbrace{\begin{cases} x_{1} - x_{2} \\ x_{2} - x_{2} \end{cases}}_{Az} \underbrace{\begin{cases} x_{1} - x_{2} \\ x_{2} - x_{2} \end{cases}}_{Az} \underbrace{\begin{cases} x_{1} - x_{2} \\ x_{2} - x_{2} \end{cases}}_{Az} \underbrace{\begin{cases} x_{1} - x_{2} \\ x_{2} - x_{2} \end{cases}}_{Az} \underbrace{\begin{cases} x_{1} - x_{2} \\ x_{2} - x_{2} \end{cases}}_{Az} \underbrace{\begin{cases} x_{1} - x_{2} \\ x_{2} - x_{2} \end{cases}}_{Az} \underbrace{\begin{cases} x_{1} - x_{2} \\ x_{2} - x_{2} \end{cases}}_{Az} \underbrace{\begin{cases} x_{1} - x_{2} \\ x_{2} - x_{2} \end{cases}}_{Az} \underbrace{\begin{cases} x_{1} - x_{2} \\ x_{2} - x_{2} \end{cases}}_{Az} \underbrace{\begin{cases} x_{1} - x_{2} \\ x_{2} - x_{2} \end{cases}}_{Az} \underbrace{\begin{cases} x_{1} - x_{2} \\ x_{2} - x_{2} \end{cases}}_{Az} \underbrace{\begin{cases} x_{1} - x_{2} \\ x_{2} - x_{2} \end{cases}}_{Az} \underbrace{\begin{cases} x_{1} - x_{2} \\ x_{2} - x_{2} \end{cases}}_{Az} \underbrace{\begin{cases} x_{1} - x_{2} \\ x_{2} - x_{2} \end{cases}}_{Az} \underbrace{\begin{cases} x_{1} - x_{2} \\ x_{2} - x_{2} \end{cases}}_{Az} \underbrace{\begin{cases} x_{1} - x_{2} \\ x_{2} - x_{2} \end{cases}}_{Az} \underbrace{\begin{cases} x_{1} - x_{2} \\ x_{2} - x_{2} \end{cases}}_{Az} \underbrace{\begin{cases} x_{1} - x_{2} \\ x_{2} - x_{2} \end{cases}}_{Az} \underbrace{\begin{cases} x_{1} - x_{2} \\ x_{2} - x_{2} \end{cases}}_{Az} \underbrace{\begin{cases} x_{1} - x_{2} \\ x_{2} - x_{2} \end{cases}}_{Az} \underbrace{\begin{cases} x_{1} - x_{2} \\ x_{2} - x_{2} \end{cases}}_{Az} \underbrace{\begin{cases} x_{1} - x_{2} \\ x_{2} - x_{2} \end{cases}}_{Az} \underbrace{\begin{cases} x_{1} - x_{2} \\ x_{2} - x_{2} \end{cases}}_{Az} \underbrace{\begin{cases} x_{1} - x_{2} \\ x_{2} - x_{2} \end{cases}}_{Az} \underbrace{\begin{cases} x_{1} - x_{2} \\ x_{2} - x_{2} \end{cases}}_{Az} \underbrace{\begin{cases} x_{1} - x_{2} \\ x_{2} - x_{2} \end{cases}}_{Az} \underbrace{\begin{cases} x_{1} - x_{2} \\ x_{2} - x_{2} \end{cases}}_{Az} \underbrace{\begin{cases} x_{1} - x_{2} \\ x_{2}$$

Pordanto:
$$\beta_0 = y - \beta_1 x$$
 e
$$\beta_1 = \xi(x_1 - x_1)(y_1 - y_1) = cov(xy_1)$$

$$\xi(x_1 - x_1)^2$$

$$\xi(x_1 - x_1)^2$$

$$E(B_0, B_1) = (B_0, B_1) = (B$$

$$((x)) = 2x$$
 $2.1=-2$