R68631036 無点数季

$$(a) f(x_i) \beta_i, \beta_1, \delta_2) = \frac{1}{\sqrt{1 + \beta_0 - \beta_1 x_1}} e^{-\frac{(y_i - \beta_0 - \beta_1 x_1)^2}{\sqrt{1 + \beta_0 - \beta_1 x_1}}} = \frac{1}{\sqrt{1 + \beta_0 - \beta_1 x_1}} e^{-\frac{(y_i - \beta_0 - \beta_1 x_1)^2}{\sqrt{1 + \beta_0 - \beta_1 x_1}}} = \frac{1}{\sqrt{1 + \beta_0 - \beta_1 x_1}} e^{-\frac{(y_i - \beta_0 - \beta_1 x_1)^2}{\sqrt{1 + \beta_0 - \beta_1 x_1}}} = \frac{1}{\sqrt{1 + \beta_0 - \beta_1 x_1}} e^{-\frac{y_i - \beta_0 - \beta_1 x_1}{\sqrt{1 + \beta_0 - \beta_1 x_1}}} = \frac{1}{\sqrt{1 + \beta_0 - \beta_1 x_1}} e^{-\frac{y_i - \beta_0 - \beta_1 x_1}{\sqrt{1 + \beta_0 - \beta_1 x_1}}} e^{-\frac{y_i - \beta_0 - \beta_1 x_1}{\sqrt{1 + \beta_0 - \beta_0 - \beta_1 x_1}}} e^{-\frac{y_i - \beta_0 - \beta_1 x_1}{\sqrt{1 + \beta_0 - \beta_0 - \beta_0 - \beta_1 x_1}}} e^{-\frac{y_i - \beta_0 - \beta_1 x_1}{\sqrt{1 + \beta_0 - \beta_0 - \beta_0 - \beta_0 - \beta_0 x_1}}} e^{-\frac{y_i - \beta_0 - \beta_1 x_1}{\sqrt{1 + \beta_0 - \beta_0 - \beta_0 - \beta_0 x_1}}} e^{-\frac{y_i - \beta_0 - \beta_1 x_1}{\sqrt{1 + \beta_0 - \beta_0 - \beta_0 x_1}}} e^{-\frac{y_i - \beta_0 - \beta_1 x_1}{\sqrt{1 + \beta_0 - \beta_0 - \beta_0 x_1}}} e^{-\frac{y_i - \beta_0 - \beta_1 x_1}{\sqrt{1 + \beta_0 - \beta_0 x_1}}} e^{-\frac{y_i - \beta_0 - \beta_0 x_1}{\sqrt{1 + \beta_0 - \beta_0 x_1}}} e^{-\frac{y_i - \beta_0 - \beta_0 x_1}{\sqrt{1 + \beta_0 - \beta_0 x_1}}} e^{-\frac{y_i - \beta_0 x_1}{\sqrt{1 + \beta_0 - \beta_0 x_1}}} e^{-\frac{y_i - \beta_0 x_1}{\sqrt{1 + \beta_0 - \beta_0 x_1}}} e^{-\frac{y_i - \beta_0 x_1}{\sqrt{1 + \beta_0 - \beta_0 x_1}}} e^{-\frac{y_i - \beta_0 x_1}{\sqrt{1 + \beta_0 - \beta_0 x_1}}} e^{-\frac{y_i - \beta_0 x_1}{\sqrt{1 + \beta_0 - \beta_0 x_1}}} e^{-\frac{y_i - \beta_0 x_1}{\sqrt{1 + \beta_0 - \beta_0 x_1}}} e^{-\frac{y_i - \beta_0 x_1}{\sqrt{1 + \beta_0 - \beta_0 x_1}}} e^{-\frac{y_i - \beta_0 x_1}{\sqrt{1 + \beta_0 - \beta_0 x_1}}} e^{-\frac{y_i - \beta_0 x_1}{\sqrt{1 + \beta_0 - \beta_0 x_1}}} e^{-\frac{y_i - \beta_0 x_1}{\sqrt{1 + \beta_0 - \beta_0 x_1}}} e^{-\frac{y_i - \beta_0 x_1}{\sqrt{1 + \beta_0 - \beta_0 x_1}}} e^{-\frac{y_i - \beta_0 x_1}{\sqrt{1 + \beta_0 - \beta_0 x_1}}} e^{-\frac{y_i - \beta_0 x_1}{\sqrt{1 + \beta_0 - \beta_0 x_1}}} e^{-\frac{y_i - \beta_0 x_1}{\sqrt{1 + \beta_0 - \beta_0 x_1}}} e^{-\frac{y_i - \beta_0 x_1}{\sqrt{1 + \beta_$$

$$\frac{1}{\sqrt{2\pi}} \left( \frac{1}{\sqrt{2\pi}} \frac$$

$$H(\theta_0) = E(\nabla^2 \ln L(\theta_0)) = E[\nabla(\frac{y_1 - \phi}{\phi(1 - \phi)}) \times \chi_1] = -E(\phi \times \chi_1 \times \chi_1')$$

$$B(\theta_0) = Var(\frac{y_1 - \phi}{\phi(1 - \phi)}) \times \chi_1') = E(\frac{y_2 - \phi}{\phi(1 - \phi)}) \times \chi_1' \times \chi_1') = E(\frac{\phi^3}{\phi^2(1 - \phi)}) \times \chi_1' \times \chi_1')$$

$$= E(\phi \times \chi_1' \times \chi_1')$$

3. 
$$F(x_{i}';\beta) = G(x_{i}'\beta) = \frac{1}{1 + e^{i\beta \circ \beta i x_{i}}}$$

$$L_{n}(\theta) = \sum_{l=1}^{2} \left[ y_{1} \ln G + (1-y_{1}) \ln (1-G_{1}) \right] \qquad \frac{\partial G}{\partial \beta \circ} = \ln (1+e^{(1)}) \cdot e^{(1)} \cdot (-x_{i})$$

$$\frac{\partial L_{n}}{\partial \beta \circ} = Z \left[ y_{1} \frac{\partial G}{\partial G} - (1-y_{1}) \frac{\partial G}{\partial G} \right] \cdot \hat{\beta} \circ = 0$$

$$= \frac{-\ln(1+e^{(\beta \circ \beta i)}) e^{-(\beta \circ \beta i)}}{1 + e^{(\beta \circ \beta i)}} \cdot 3 + \frac{\ln(1+e^{(\beta \circ \beta i)}) e^{-(\beta \circ \beta i)}}{1 + e^{(\beta \circ \beta i)}} \cdot 3 - \frac{\ln(1+e^{(\beta \circ \beta i)}) e^{-(\beta \circ \beta i)}}{1 + e^{(\beta \circ \beta i)}} \cdot 2$$

$$\frac{\partial Ln}{\partial \beta} = \frac{1}{1 + e^{(\beta + \beta 1)}} = \frac{e^{(\beta + \beta 1)}}{1 + e^{(\beta + \beta 1)}} = \frac{1}{1 + e^{(\beta + \beta 1)}} = \frac{1}{1 + e^{(\beta + \beta 1)}} = 0$$

Based on the above 2 equation, Bod Bi can be solved.