$$y_{i} = G(2i\theta) + 4i$$
 $G(-1) : \int \Delta(2) - \frac{e^{2}}{1+e^{2}} = \frac{1}{1+e^{-2}}$

$$\mathcal{Q}(z) = \frac{1}{\sqrt{2n}} \int_{-\infty}^{z} e^{-\frac{z^2}{2}} dz$$

1) Likelihood Patio test

2 pscudo - R² (R² MeT-aden)

$$pseudo-P^{2} = 1 - \frac{ln(L)}{ln(Lo)} \in [0, 1]$$

$$pseudo-P^{2} = 1 - \frac{l}{1 + \frac{1}{l(ln(-lnLo))}}$$

$$Example 1$$

$$\lambda - years of experience$$

$$gender - dummy (gender = L don mode)$$

$$blach - dummy (= 1 don afroamoricans)$$

$$Model 1 Model 2 Model 3$$

$$\lambda - \frac{ln(lo)}{ln(lo)}$$

$$Louising (-1)$$

$$Loui$$

a I

0, 05

pseudo- R?

(a) pseudo -
$$e^2 - 1 - \frac{\ln(L)}{\ln(L_0)} = 1 - \frac{-68}{-68} = 0$$

$$psudo - k^2 = 1 - \frac{62}{68} = 0,10$$

(b)
$$Le = -2(\ln L_e - \ln L_{UE}) =$$

= $-2(-69 - (-C1)) = 14$

$$\lfloor 2 \sim \chi^2(3)$$

(c)
$$L = -2(-62 + 61) = 2$$

$$LPorit = \chi^2(2, 0.95) = 5.99$$

$$P(y_{j} = 1) = \frac{1}{1 + e^{-t_{i}}}$$

$$\frac{dP}{dn} = \frac{e^{-\left(\frac{1}{p_1} + \frac{1}{p_2}x\right)}}{\left(1 + e^{-\left(\frac{1}{p_1} + \frac{1}{p_2}x\right)}\right)^2} \wedge \frac{1}{p_2} = \frac{1}{p_2}$$

$$\begin{cases} \hat{\beta}_{1} = -1.02 \\ \hat{\beta}_{2} = 0.49 \end{cases} = 0.12$$

$$\frac{1}{2} = 1.4$$

$$P(y_1=1) = P(2_i)$$
, $z_i = \beta_1 + \beta_2 \alpha_{2i} + ... + \beta_k \alpha_{ki}$

$$\frac{\partial P(y_i=1)}{\partial x_j} = \frac{1}{2i} \left(\frac{2i}{2i}\right) \int_{1}^{2i} \frac{1}{\sqrt{2n}} e^{-\frac{2^2}{2}}$$

Examples

Male = clummy

Student A: Lectures = 10, male = 1

Student B: Lectures = 10, male = 6

$$\hat{A}_{A} = 0.2.10 - 0.5.1 - 0.05.10.1 - 1 = 0$$

$$P_{2}(y_{A}=1) - 9(2_{A}) = 9(0) = 0.5$$

$$\frac{2}{2}B = 92.10 - 0.5.0 - 0.05.10.0 - 1 = 1$$

$$\hat{P}_{2}(y_{B}=1) = 911) = 984$$

(c) Marginal effect from lectures for student &

$$\frac{\partial P(y_{i=1})}{\partial Lectures} = \frac{1}{\sqrt{2\pi}} e^{-\frac{2^{2}}{2}} \frac{\partial L}{\partial L} = \frac{1^{2}}{\sqrt{2}} \frac{\partial L}{\partial L} =$$





