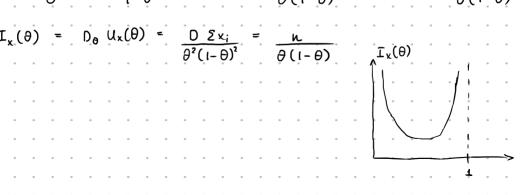
Теория намучим оценок

Информация оринера

$$X = (X_1 - X_2) -$$
 возборка из распр. $P \in P -$ домин. сем с $P \in P -$ домин. сем с $P \in P =$ возборка $P \in P =$ домин. сем с $P \in P =$ возборка $P \in P =$ домин. сем с $P \in P =$ домин. $P \in P =$ домин.

 $I_{x}(\theta) = D_{\theta} U_{x}(\theta) - uuq$. Puuvepa o napau θ , cogepu θX

Rpunep X₁₋₋ X_n ~ Bern (θ)



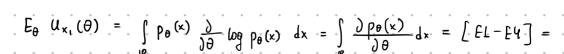
$$Y_{\tau}(. \quad i) \quad E_{\theta} \ U_{x}(\theta) = 0 \qquad \qquad \left[E_{\tau} - E_{\tau} \right]$$

$$2) \quad I_{x}(\theta) = E_{\theta} \ U_{x}^{2}(\theta) - \text{oreb} \ u_{x}(\theta)$$

(een
$$(yy)$$
) $- E_{\theta} = \frac{\int_{-\infty}^{2} L_{x}(\theta)}{\int_{-\infty}^{2}}$

$$- E_{\theta} = \frac{\partial \theta_{s}}{\partial \theta_{s}}$$

$$\frac{\partial}{\partial \theta} = \frac{\partial L_{x}(\theta)}{\partial \theta} = \frac{\partial}{\partial \theta} \sum_{i=1}^{\infty} (\omega_{i} - \omega_{i}) = \sum_{i=1}^{\infty} (\omega_{i} -$$



$$E_{\theta} U_{x_1}(\theta) = \int_{\Omega} P_{\theta}(x) \frac{\partial}{\partial \theta} \log P_{\theta}(x) dx = \int_{\Omega} P_{\theta}(x) dx$$

 $= \frac{\partial \theta}{\partial x} \int_{\mathbb{R}} b \theta(x) dx = \frac{\partial \theta}{\partial x} dx = 0$

$$-\log p_{\theta}(x) dx = \int$$

$$\int \frac{\partial \rho_{\theta}(x)}{\partial \rho} dx = \left[\int \frac{\partial \rho_{\theta}(x)}{\partial \rho} dx \right] = \left[$$

$$= \int \frac{\partial \rho_{\theta}(x)}{\partial \rho_{\theta}(x)} dx = \int EL - EY = 0$$

$$\int \frac{\partial \rho_{\theta}(x)}{\partial x} dx = \int EL - E47 =$$

4)
$$\frac{\partial^2}{\partial \theta^2} L_{\kappa}(\theta) = \frac{\partial^2}{\partial \theta^2} \log p_{\theta}(\kappa) = \frac{\partial}{\partial \theta} \frac{\partial p_{\theta}(\kappa)/\partial \theta}{p_{\theta}(\kappa)} =$$

3) $I_{x}(\theta) = D_{\theta} U_{x}(\theta) = D_{\theta} \sum_{i=1}^{n} U_{x_{i}}(\theta) = \sum_{i=1}^{n} D_{\theta} U_{x_{i}}(\theta) = n i(\theta)$

$$= \frac{\frac{\partial^{2} p_{\Theta}(x)}{\partial \theta^{2}}}{p_{\Theta}(x)} - \left(\frac{\frac{\partial p_{\Theta}(x)}{\partial \theta}}{p_{\Theta}(x)}\right)^{2}$$

$$U_{x}(\theta)$$

$$\int_{0}^{2} \int_{0}^{2} \left(\log p_{\theta}(x) \right) = \int_{0}^{2} \int_{0}^{2} p_{\theta}(x)$$

$$E_{\theta} \frac{\partial^{2}}{\partial \theta^{2}} \omega_{\theta} P_{\theta}(x_{i}) = E_{\theta} \frac{\partial^{2} p_{\theta}(x)}{\partial \theta^{2}} \frac{1}{p_{\theta}(x)} - E_{\theta} U_{x}^{2}(\theta)$$

 $\int \rho_{\theta}(x) \frac{\partial^{2} \rho_{\theta}(x) / \partial \theta^{2}}{\rho_{\theta}(x)} dx = \frac{\partial^{2}}{\partial \theta^{2}} \int \rho_{\theta}(x) dx = \frac{\partial^{2}}{\partial \theta^{2}} I = 0$