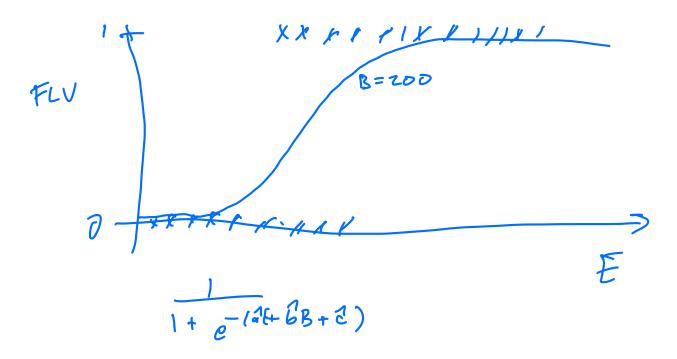
NON NOU ZO
HW 8
NON -LINCAR MODELS

CROSS VALIDATION

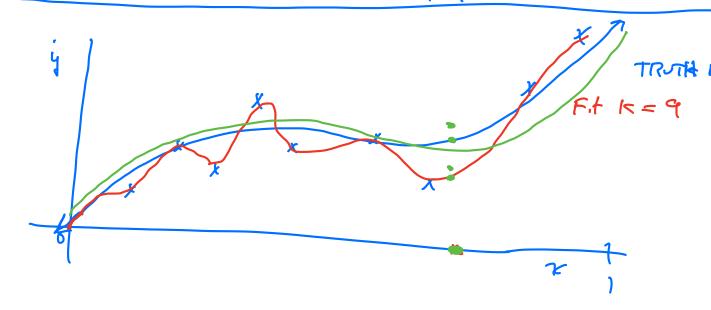


MODEL
$$y_i = exp(Z + \chi_i + \epsilon_i)$$
 $\xi_i \sim N/0, \sigma)$ $\log y_i = 2 + \chi_i + \epsilon_i$

 $y_L = \exp(a + 5x_L + \epsilon_i)$ a b unknown How to use linear models to est. a,5 from duter?

 $log y_{i} = a + b x_{i} + \xi_{i}$ $\xi_{i} = log y_{i}$ $\xi_{i} = a + b x_{i} + \xi_{i}$ ect a, b via lead square s

Model: $y = e^{\alpha + 6\pi} + \xi$ For given chave of u_0, u_1 $y_i - e^{u_0 + 4\pi}i$ i = 1, 2, ...



$$y_{i} = y(\pi_{i}) + \xi_{i}$$

$$y_{i} = y(\pi_{i}) + \xi_{i}$$

$$y = \int_{1}^{1} \frac{x_{i}}{x_{i}} \frac{x_{i}^{2}}{x_{i}^{2}} - \frac{x_{i}^{k}}{1}$$

$$y = x \int_{q_{i}}^{q_{i}} \frac{x_{i}}{q_{k}} + \xi_{i}$$

