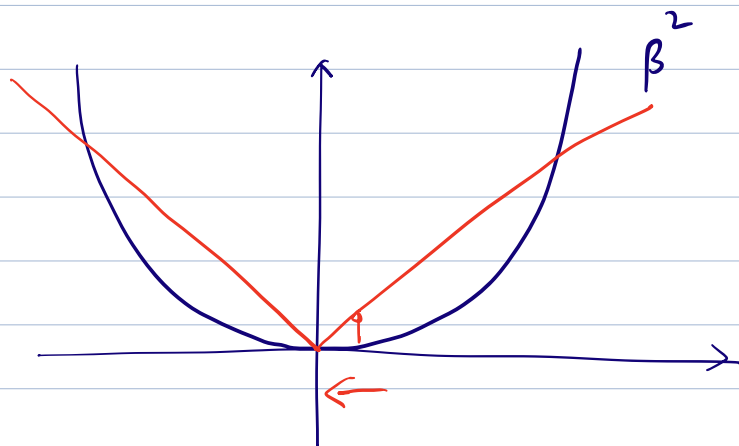
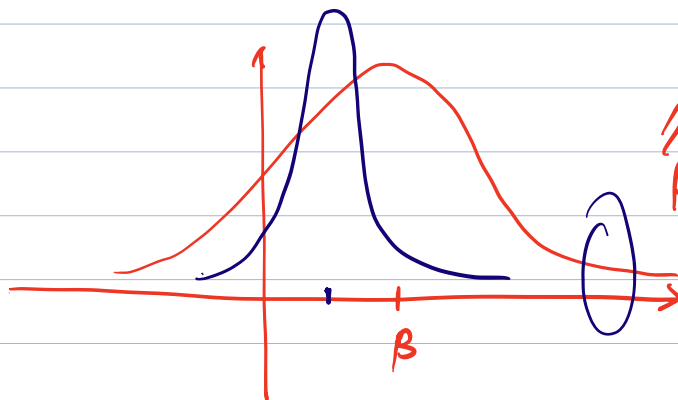


$$y_i = \beta x_i + \varepsilon_i$$

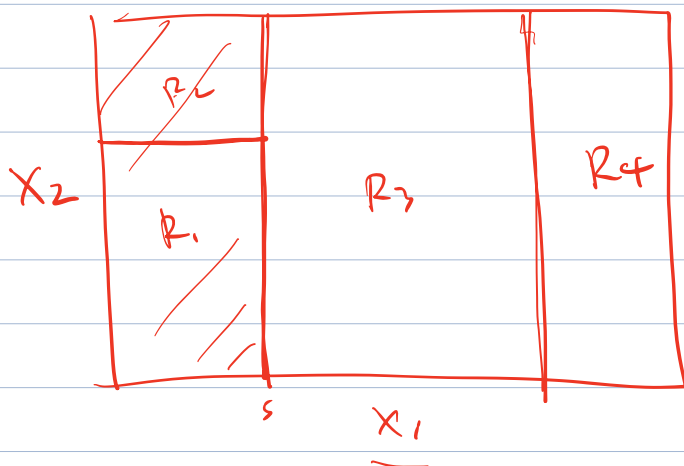
$$\hat{\beta}$$

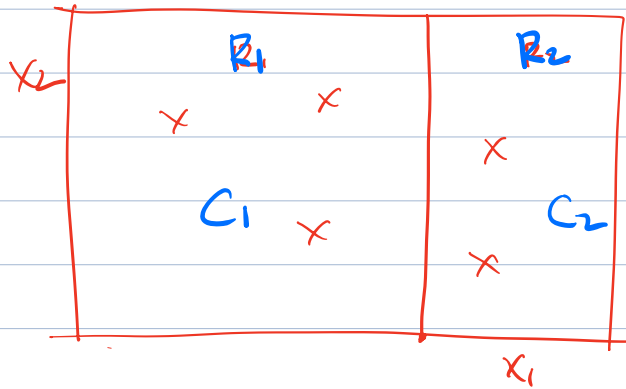
$$E[\hat{\beta}] = \beta$$

$$\hat{\hat{\beta}} = \frac{1}{2} \hat{\beta}$$



$$|\beta|$$





$$\sum_{i=1}^n (y_i - c)^2$$

$$\sum_{i \in R_1} (y_i - c_1)^2 + \sum_{i \in R_2} (y_i - c_2)^2$$