

$$\frac{\sum_{i=1}^{n} (y_i)^2}{\sum_{i=1}^{n} (y_i)^2} \frac{Y_i \sim N[\alpha_1 \beta_1 \alpha_2]}{Y_i \sim N[\alpha_1 \beta_2 \alpha_3]} \sim N[\alpha_1 \beta_2 \alpha_3] \frac{Y_i \sim N[\alpha_1 \beta_2 \alpha_3]}{\sum_{i=1}^{n} (y_i - \alpha_1 \beta_1 \alpha_3)^2} N^{2}[n-2]$$

$$\frac{\sum_{i=1}^{n} (y_i - \alpha_1 \beta_1 \alpha_3)^2}{\sum_{i=1}^{n} (y_i - \alpha_2 \beta_1 \alpha_3)^2} N^{2}[n-2]$$

$$\beta \sim N \beta, \frac{\sigma^2}{S \times X}$$

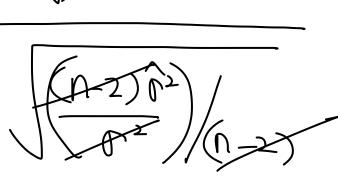
$$\hat{O} = \frac{SSE}{N-2}$$

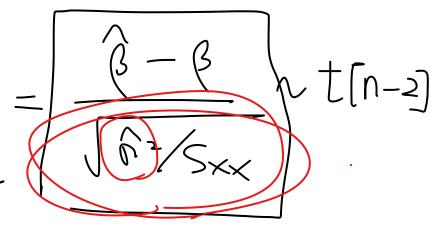
$$U = \frac{(n-2)\sqrt{2}}{\sqrt{2}} \sim \sqrt{2} \left[n-2\right]$$

$$\frac{3}{7} - \frac{3}{5} - \frac{3}{5} = \frac{55}{1-2} = MSE.$$

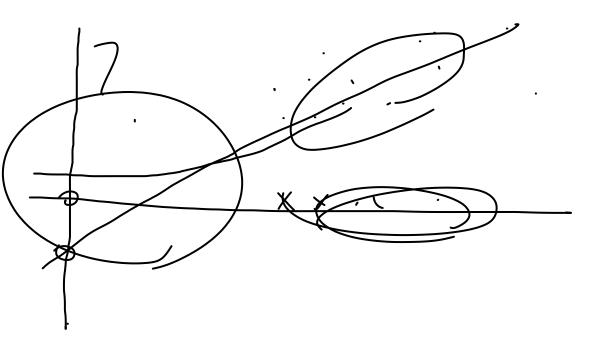
$$\frac{z}{\sqrt{u/ar}} \sim t[ar]$$

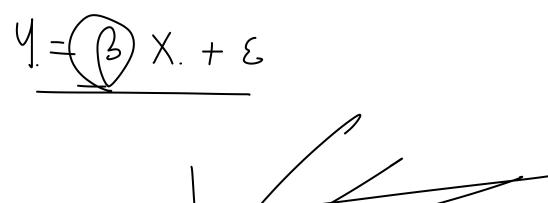
$$\sqrt{y-y} + a$$





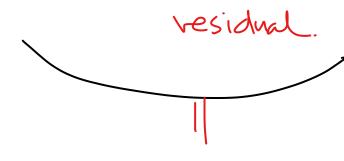
$$\chi = \sigma \longrightarrow$$





$$\frac{1}{\sum_{i=1}^{n} (y_{i} - y_{i})^{2}} = \sum_{i=1}^{n} (y_{i} - y_{i})^{2} + \sum_{i=1}^{n} (y_{i} - y_{i})^{2} + \sum_{i=1}^{n} (y_{i} - y_{i})^{2}$$

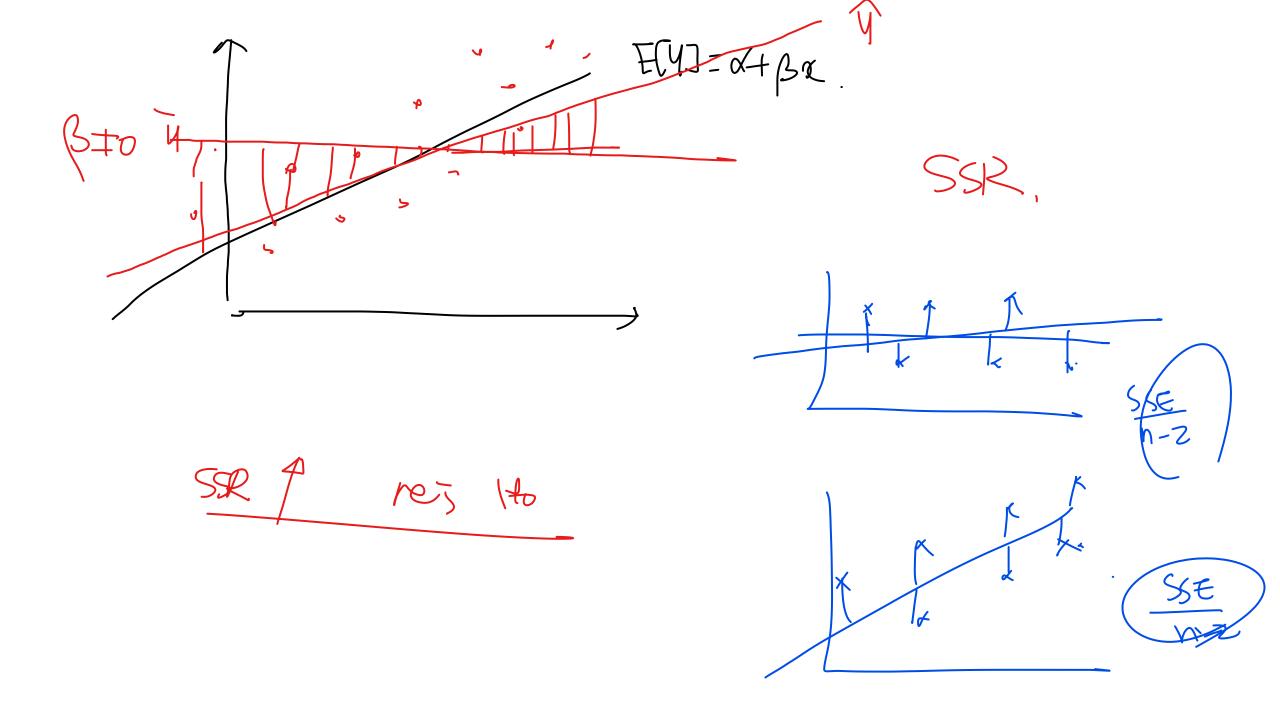
mo del



SST

SSR

$$3 = D \sqrt{\frac{\hat{y} - \hat{y} + \hat{y}}{1 + \hat{y}}}$$

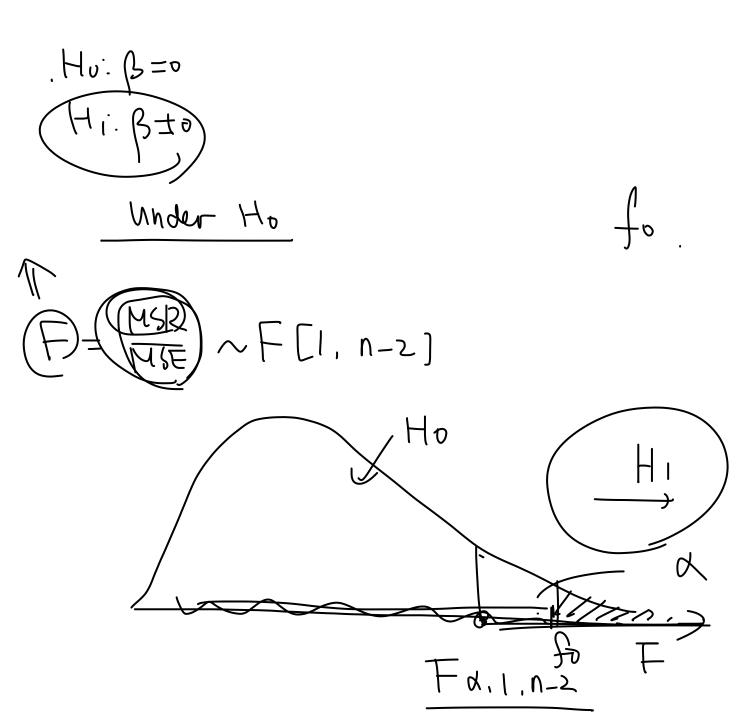


$$E[MSP] = 0^{2}$$

$$+ 0^{3}$$

$$+ 0^{4}$$

MSR MSE ~ 1 MSE > 1. MSE _____



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$$MSR = \sum (\hat{y}_1 - y_1)^2$$

$$= \sum (\hat{x}_1 + \hat{x}_2) - y_1$$

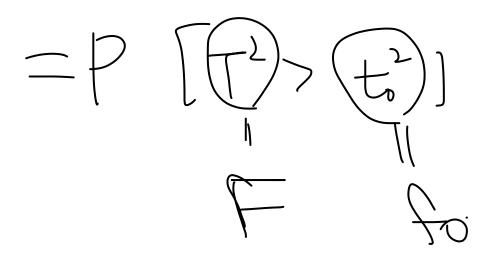
$$= \sum (\hat{x}_1 + \hat{x}_2) - y_2$$

$$= \sum (\hat{x}_1 + \hat{x}_2) - y_2$$

$$= \sum (\hat{x}_1 - y_1)^2$$

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· [~ [1, n -2]



P[[> fo]