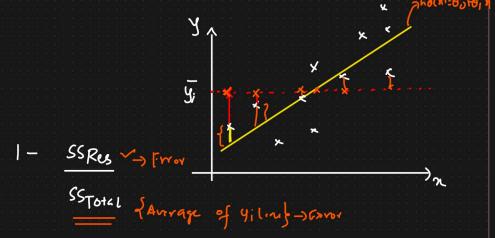
Performance Metrics Used In Regression

Rsquared =

1) R Squared

2 Adjusted R Squared

(1) R Squared



SSRes = Sum of Square Ruidual (1000)

R squared =
$$1 - \sum_{j=1}^{n} (y_j - h_0(n))^2 =)$$
 small
$$\sum_{j=1}^{n} (y_j - \overline{y_j})^2 \Rightarrow B_{ig}$$

Regulared =
$$1 - \sum_{i=1}^{h} (y_i - \hat{y_i})^2$$

$$\frac{\sum_{i=1}^{h} (y_i - \hat{y_i})^2}{\sum_{i=1}^{h} (y_i - \hat{y_i})^2}$$

R squared ranges between 0 + 1

fo fo from 130/P

R squared = 75% = 0.75

R Stand = 81%

R Squal = 90x 177

2 Adjusted R squared

Adjusted R Square =
$$1 - \frac{(1-R^2)(N-1)}{N-p-1}$$

N= no of dosporats

R2 = R Squared

P = No of Independent feahm.

P=3 -> feque

R2 77 Adjusted R2

P=4 MR2: 87% Adjusted R2= 76% W U

Independent feature is not that important