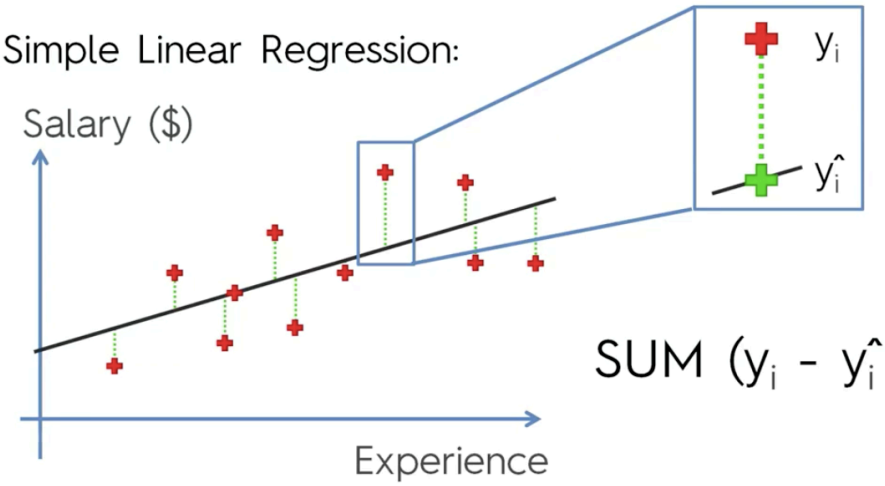
R-Squared

R Squared

Simple Linear Regression:

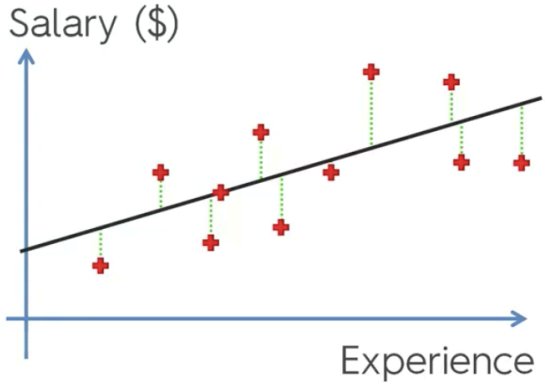


$$SUM\ (y_i - \hat{y}_i)^2 \rightarrow min$$

R Squared

Simple Linear Regression:

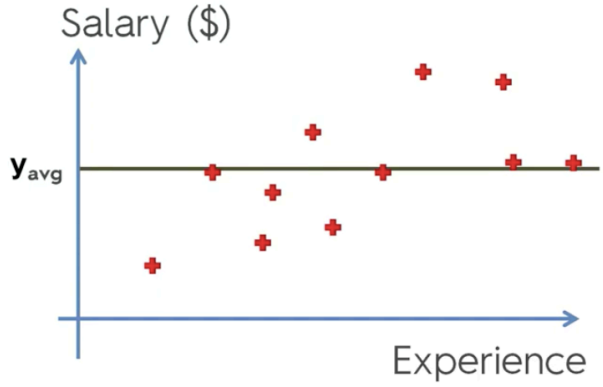
$$SS_{res} = SUM\ (y_i - \hat{y}_i)^2$$



R Squared

Simple Linear Regression:

$$SS_{res} = SUM\ (y_i - \hat{y_i})^2$$

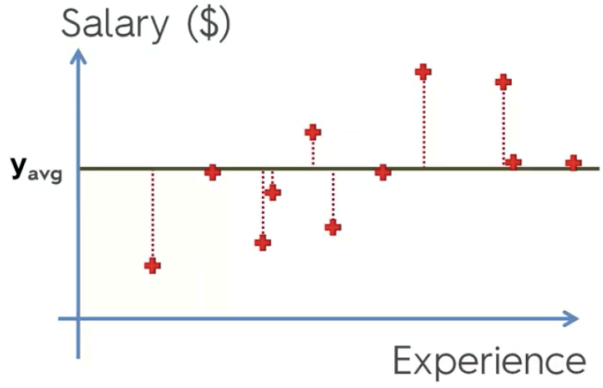


R Squared

Simple Linear Regression:

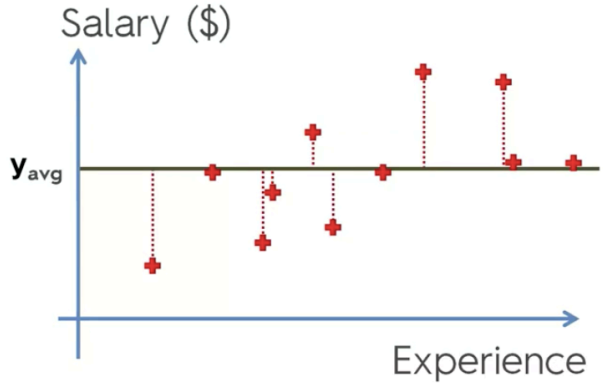
$$SS_{res} = SUM\ (y_i - \hat{y_i})^2$$

$$SUM\ (y_i - y_{avg})^2$$



R Squared

Simple Linear Regression:

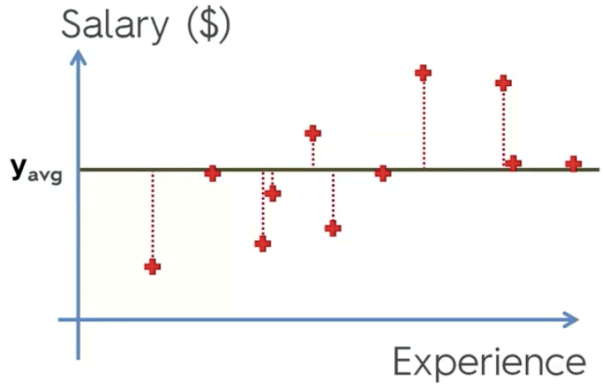


$$SS_{res} = SUM\ (y_i - \hat{y_i})^2$$

$$SS_{tot} = SUM\ (y_i - y_{avg})^2$$

R Squared

Simple Linear Regression:



$$SS_{res} = SUM\ (y_i - \hat{y_i})^2$$

$$SS_{tot} = SUM\ (y_i - y_{avg})^2$$

$$R^2 = 1 - \frac{SS_{res}}{SS_{tot}}$$