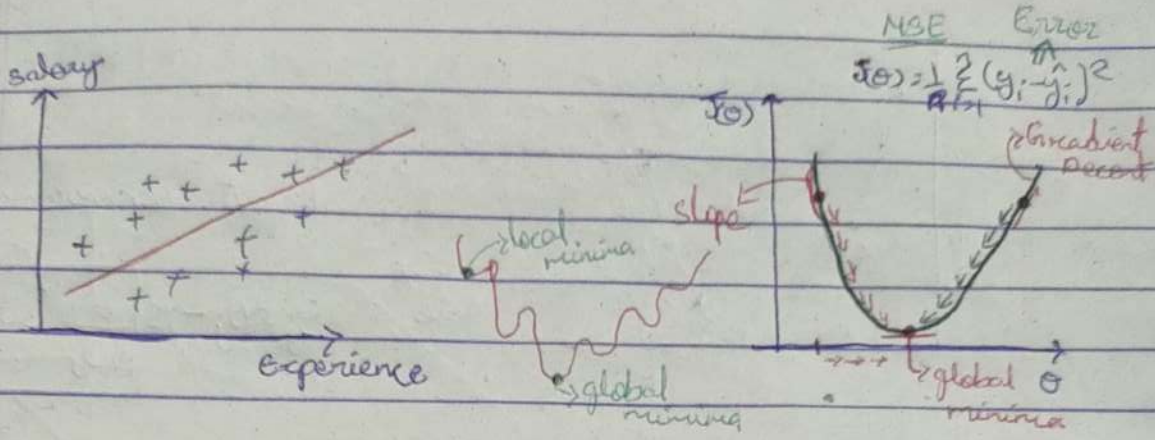
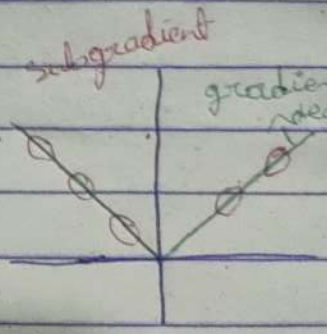
Mean Squared Error, Mean Absdute Error and RMSE



① Mean Squared Error $MSE = \frac{1}{n}\sum_{i=1}^{n}(y_i - \hat{y}_i)^2$

Advantages	Disadvantages
① Differentiable	① Not Robust to outliers
② It has one local and global minima	② It changes its unit

② Mean Absdute Error

Cost fn $MAE = \frac{1}{n}\sum_{i=1}^{n}|y_i - \hat{y}_i|$

Advantages	Disadvantages
① It is Robust to outliers	① Conversion usually take more time
② It will be same unit	② Optimization is complex process