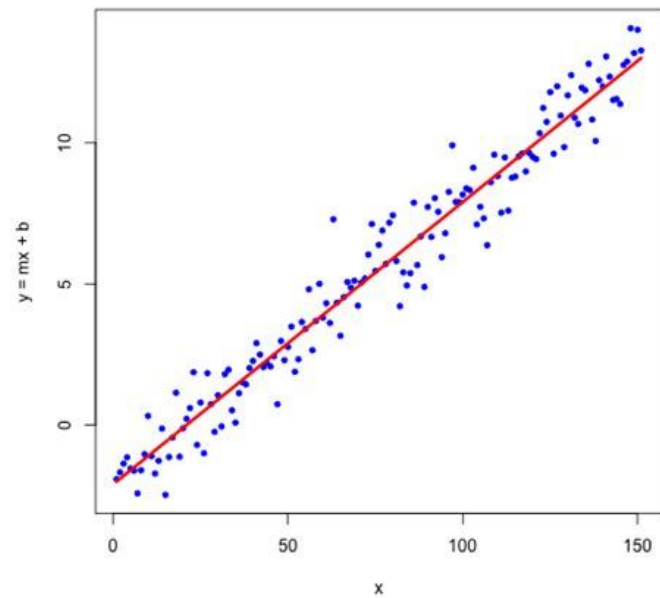


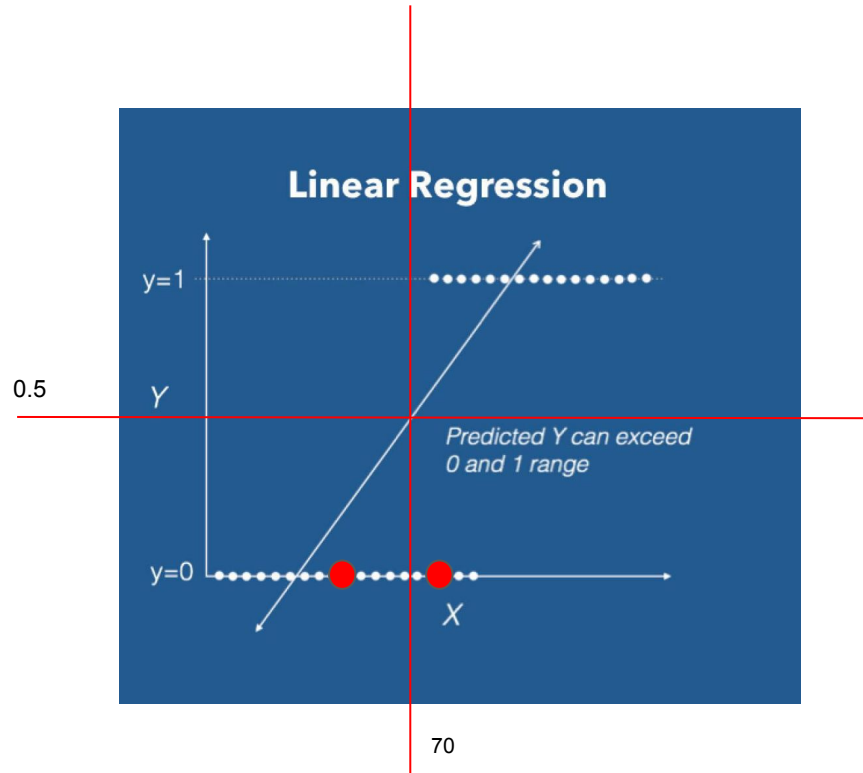


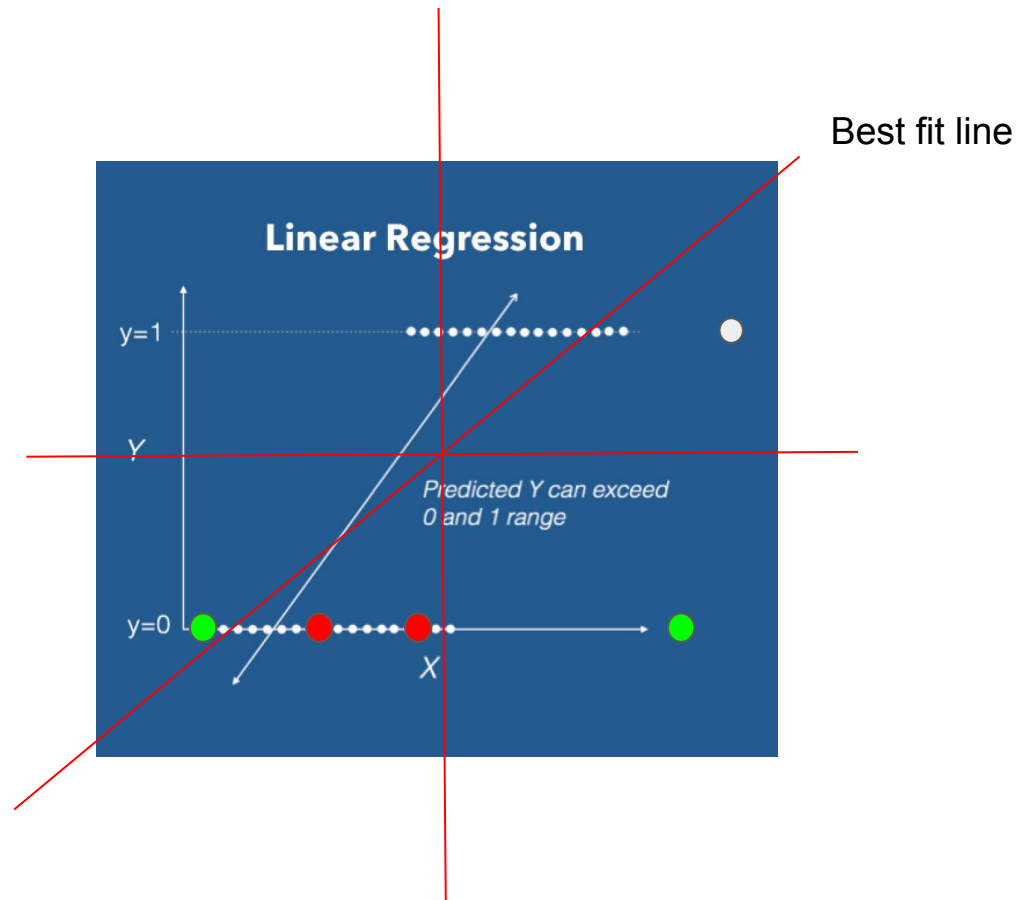
MACHINE LEARNING

DAY 3

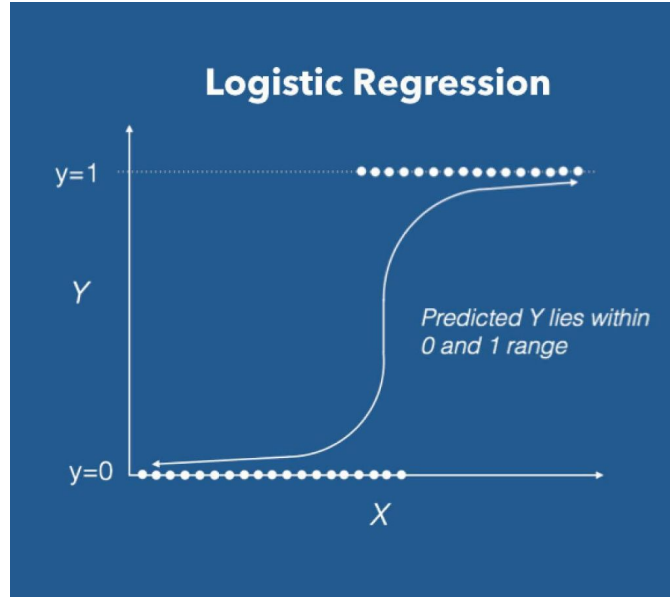
Linear regression fits a line to a bunch of points



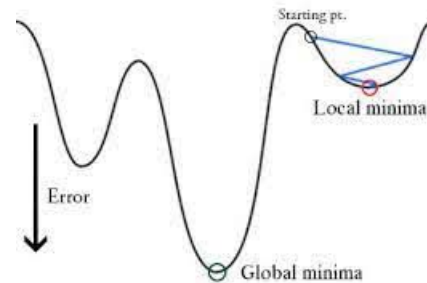




LOGISTIC REGRESSION

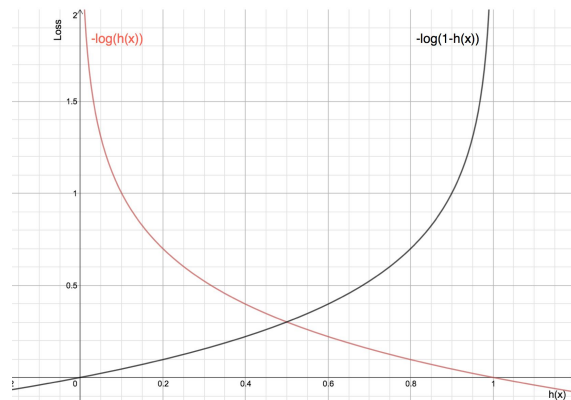


$$\text{RMSE} = \sqrt{\sum \frac{(y_{\text{pred}} - y_{\text{ref}})^2}{N}}$$

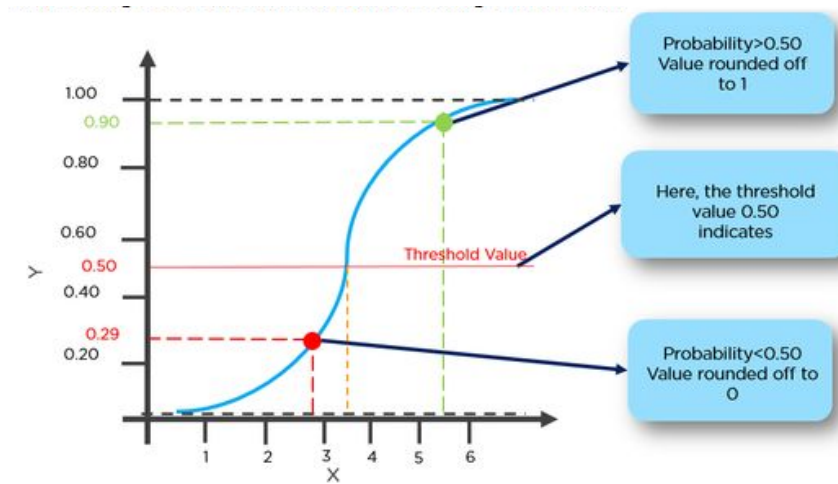


$$-\frac{1}{N} \sum_{i=1}^N y_i \cdot \log(p(y_i)) + (1 - y_i) \cdot \log(1 - p(y_i))$$

Binary Cross-Entropy / Log Loss



$$Y = \frac{1}{1 + e^{-x}}$$



SIGMOID FUNCTION

