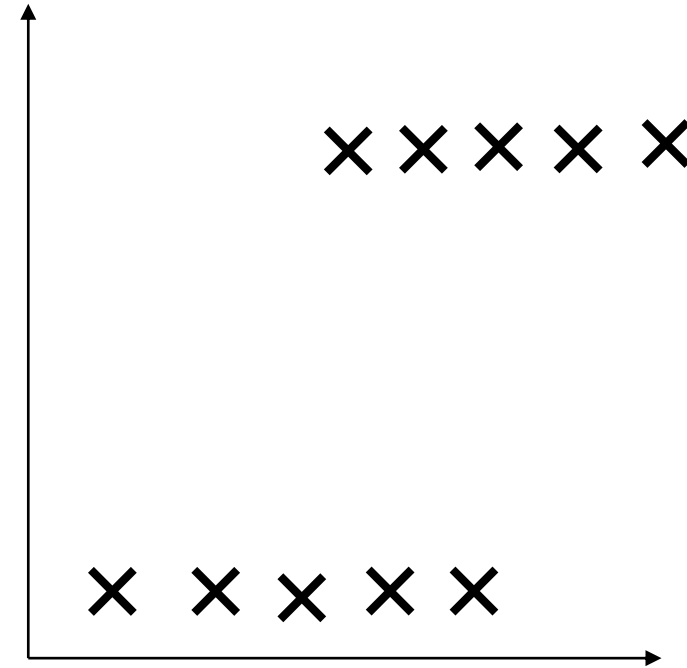
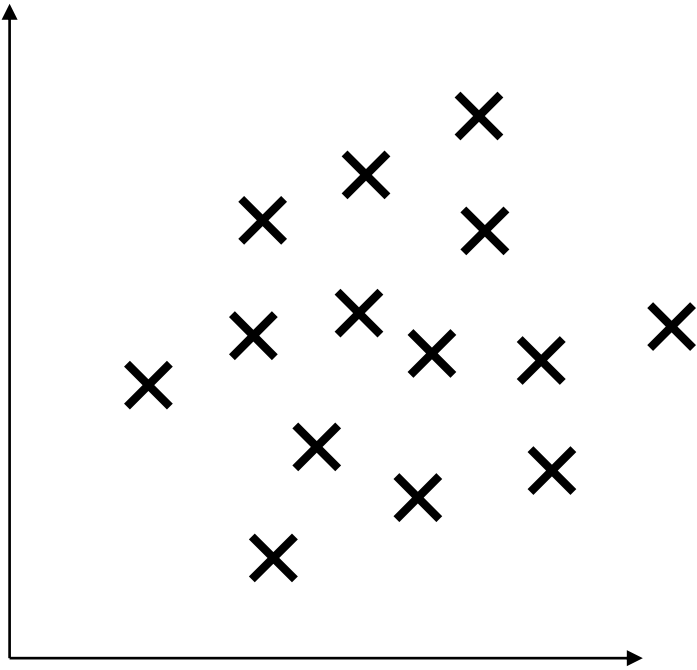
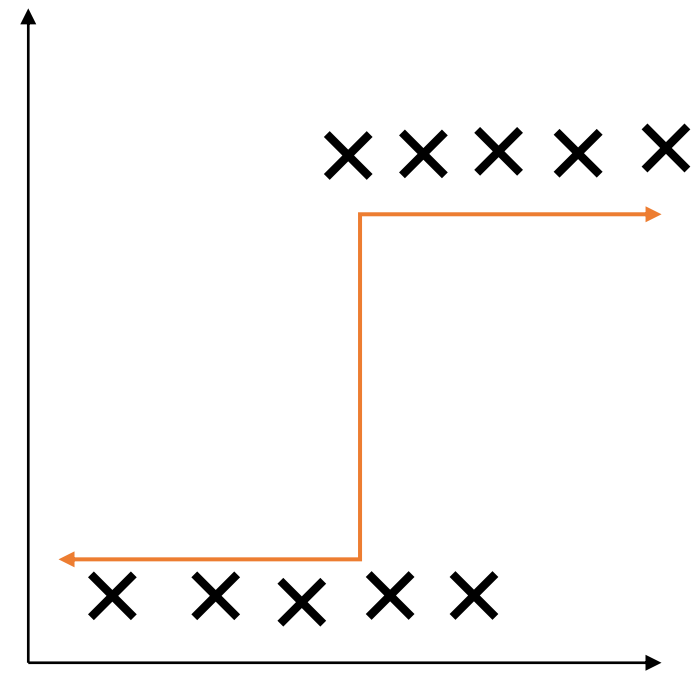
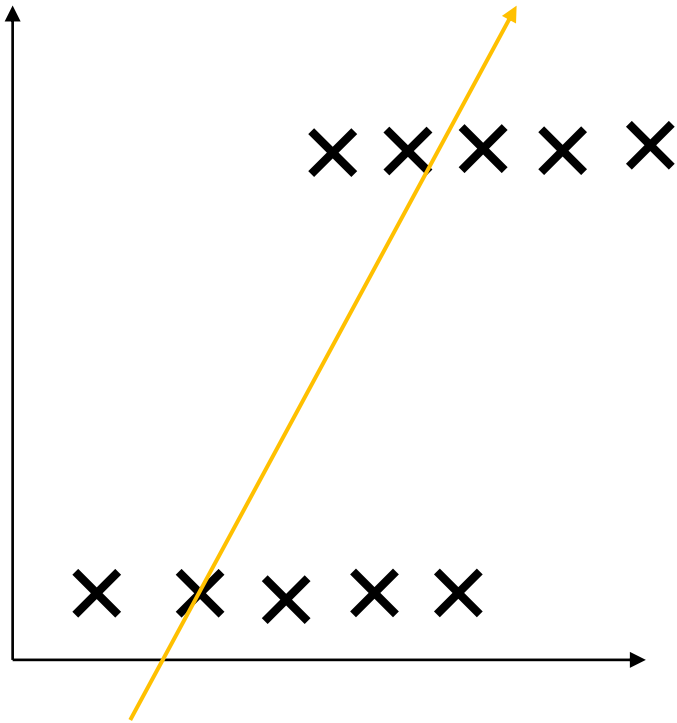


Logistic Regression: -





Linear Regression

$$y = B_0 + B_1 * x$$



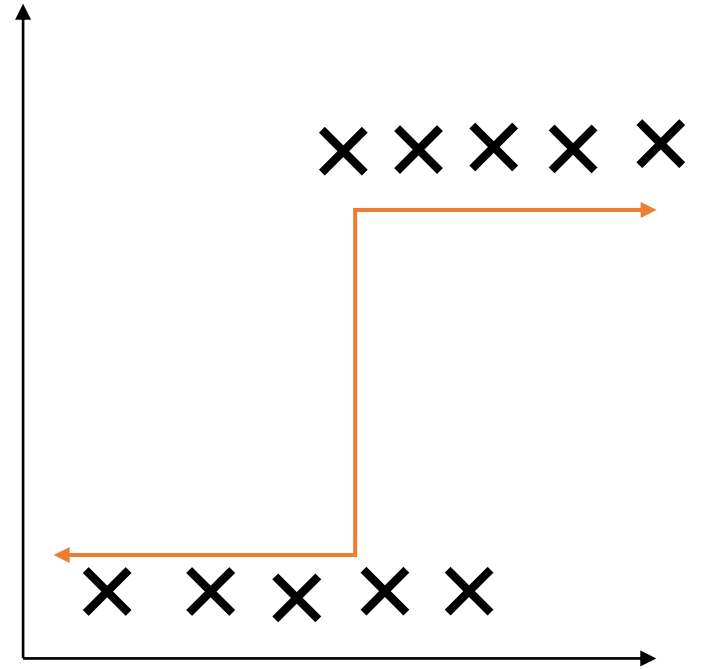
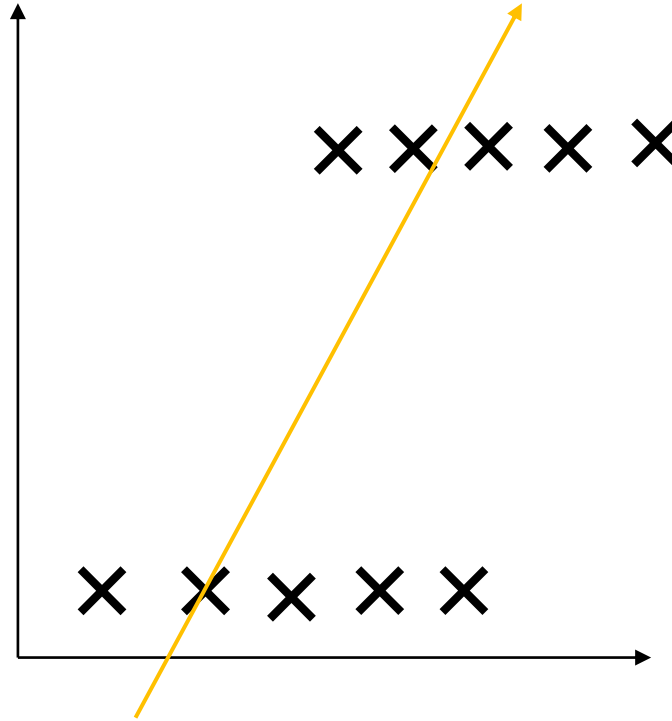
Sigmoid
Function

$$P = \frac{1}{1 + e^{-y}}$$

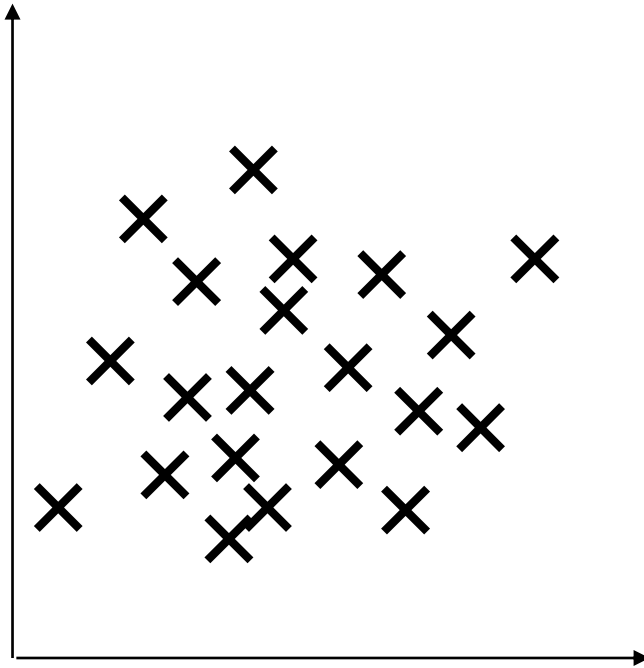


$$\ln\left(\frac{1}{1-p}\right) = B_0 + B_1 * x$$

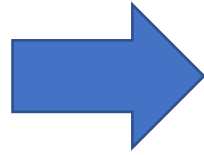
Logistic Regression with
Sigmoid Activation Function



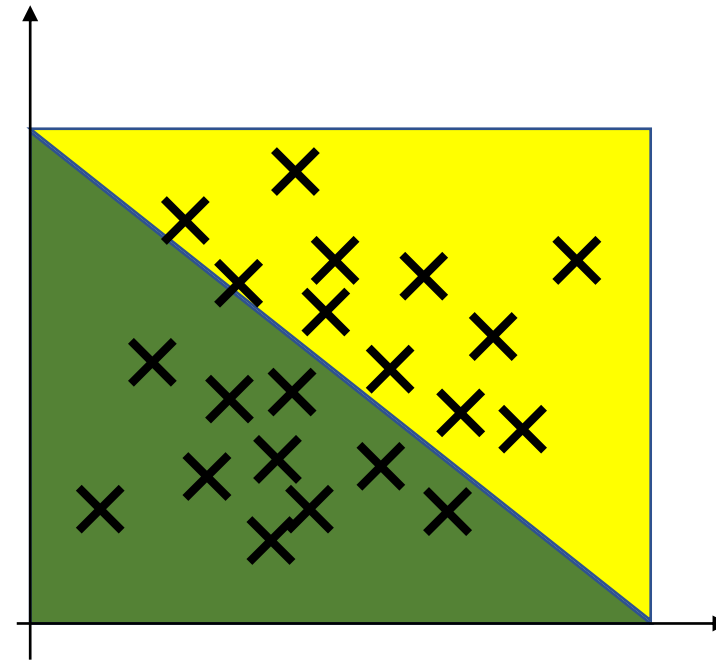
Buy or not



Age of Person



Buy or not



Age of Person

Probabilities for each of the point are given and based on the probabilities they are predicted weather or not the person will buy the car or not