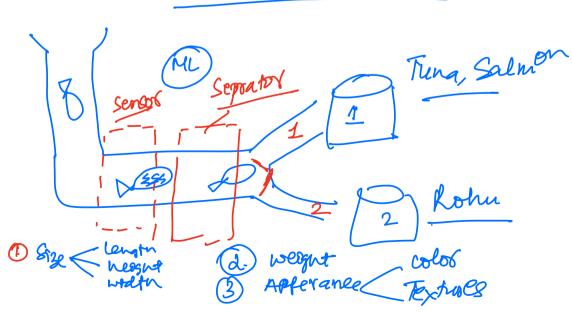
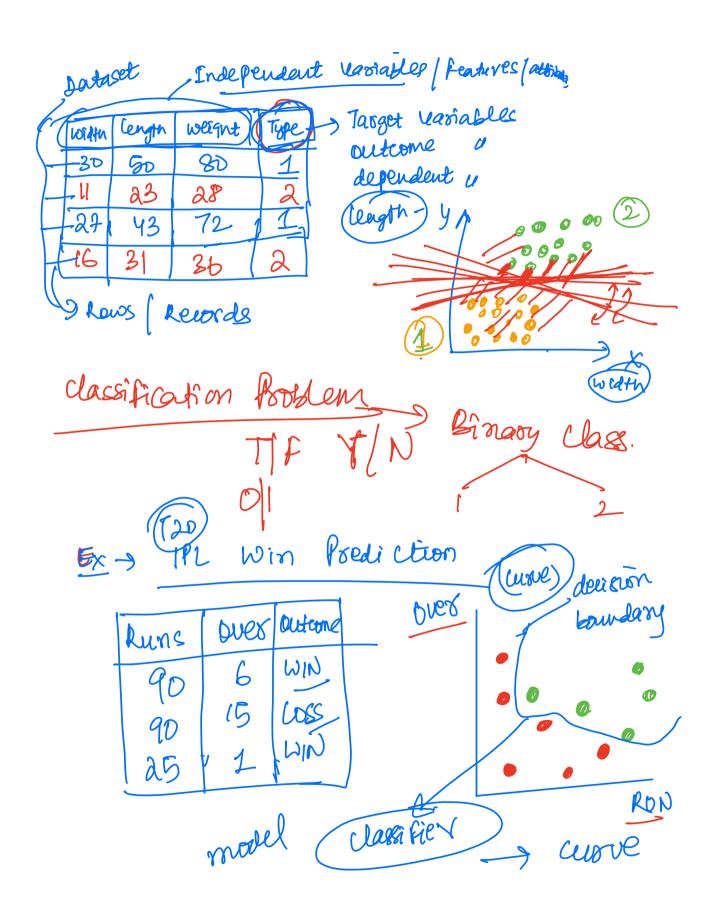
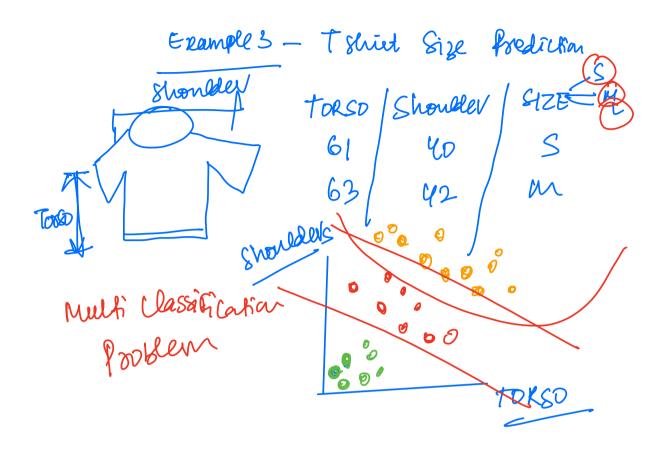


ML Application

E1: Eish Sorting Machine







## Process of building ML Algorithm

- (1) Data collection -> labelled data
- 2 data Vizualization Plot (2D)
- (3) Geometrical Structure PCA, tSNE

  To separate classes
- (4) choosing a coss function which ...

helps to find the right Stonefure Training optimization Coordinate Geometosy (R, y1) Intercept me tano = € tomo € to 42 m x tc f Bg + C AX + BX2 + C (Ryas

$$\frac{\omega_1}{\omega_1} \chi_1 + \frac{\omega_2}{\omega_2} \chi_2 + \omega_0$$

$$\frac{\omega_1}{\omega_1} \chi_1 + \frac{\omega_2}{\omega_2} \chi_2 + \frac{\omega_3}{\omega_2} \chi_3 + \frac{\omega_0}{\omega_1} \chi_{170}$$

$$\frac{\omega_1}{\omega_1} \chi_1 + \frac{\omega_2}{\omega_2} \chi_2 + \frac{\omega_3}{\omega_2} \chi_{170}$$

$$\frac{\omega_1}{\omega_1} \chi_1 + \frac{\omega_2}{\omega_2} \chi_2 + \frac{\omega_0}{\omega_2}$$

$$\frac{\omega_1}{\omega_1} \chi_1 + \frac{\omega_2}{\omega_2} \chi_2 + \frac{\omega_0}{\omega_2}$$

$$\frac{\omega_1}{\omega_2} \chi_1 + \frac{\omega_1}{\omega_2} \chi_2 + \frac{\omega_0}{\omega_2}$$

 $tomO_1 = tomO_2$   $O_1 = O_2$   $O_1$