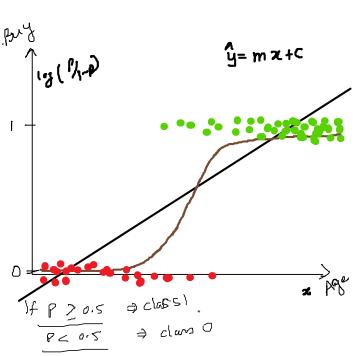
Logistic Regression

- A supervised ML algorithm, used to solve primarily two class classification problem.
- It is a linear model, can learn linear relationships between features and target attribute.



$$\frac{1}{1+e^{g}} = \rho$$

$$\frac{1}{1+e^{(m\pi+c)}} = \rho$$

$$1 = \rho \left(1+e^{(m\pi+c)}\right) = e^{(m\pi+c)} = \frac{1}{\rho} - 1 = \frac{1}{\rho}$$

$$e^{m\pi+c} = \frac{1}{1-\rho}$$

$$e^{m\pi+c} = \frac{1}{1-\rho}$$

$$e^{m\pi+c} = \frac{1}{1-\rho}$$

Reguestion

Classification

Kaynerius
$$\hat{y} = mx + C$$

$$\omega s + |E_{max}| \rightarrow msE$$

$$E = \int_{\Omega} \sum_{y} (y - \hat{y})^{2}$$