1. Logistic Regression

$$\forall \Rightarrow \ln\left(\frac{P}{1-P}\right) = 2+6X$$

Lo derived from probabilistic approach

P can also be obtained as

$$P = \frac{\exp(a+bx)}{1 + \exp(a+bx)}$$

to calculate the expected probability for given value of X. for Y = 1

2. Naive Bayes

$$P(c|x) = \frac{P(x|c)P(c) \rightarrow Prior probability}{P(x)}$$

Posterior probability