**Logistic Regression:**Logistic Regression measures the relationship between the categorical dependent variable and one or more independent variables by estimating probabilities using logistic/sigmoid fuction. It is a classification problem which is used to predict a binary outcome (1/0, -1/1, True/False) given a set of independent variables

The logistic regression model computes a weighted sum of the input variables similar to the linear regression, but it runs the result through a special non-linear function, the logistic fuction or sigmoid fuction to produce the output y. Here, the output is binary ou in the form of 1/1 or -1/1.









