The logistic regression is a regression model in which the response variable(dependent variable) has categorical values such as 0,1,true,false,on,off etc. It measures the probability of binary response as the value of response of a variable based on a mathematical equation related to the predictor variable.

Logistic regression, y=1/1+e^-(a+b1x1+b2x2 + b3x3 +.....)

where , y is response variable,

x is predictor variable,

And a & b is coefficient variable