Experiment 3
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Am: To implement logistic regression

Theory !

Logistic Regrossion is one of the most popular machine Coarning algorithms, which comes under the supervised learning fechnique, It is used for predicting the categorical dependent variable using a given set of independent variable. It predicts the output of a categorical dependent variable, Therefore, the outrone must be a categorical or discrete value. It can be either year or No. O or 1 true or false, etc. but instead of giving the exact value as O or 1, it gives the probabilistic values which were between O on d 1.

Logistic Regression is like the linear regression except that how they one used inear regression is used for solving regression problems. Whereas logistic regression is used for solving the classificator problems. In logistic regression instead of litting a regression line we fit an's' shaped logistic Junation which product two maximum values (o or 1). The curve from the logistic function indicates the likelyhood of something such as whether the cells are concerned or not a mouse is observe or not

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It is a abgrificent machine cleaning algorithm become it can provide probabilities and classly new date using combanions and discrete datasets. It can be used to classify the observations using different types of data and can easity determine the most effective manable used for the classification. Conclusion: Hence we implemented togethe Regression BEN STATISTICS ESS