

Logistic regression Implementation steps

- Import numpy, pandas, matplotlib, sklearn
- Read creditrisk.csv dataset
- Print size of the dataset
- Print info() , describe()
- **preprocessing**
 - Check if any null values in the dataset if any null values fill them with appropriate data
 - Check the datatype of all the features
 - If any datatype is non numerical convert to numerical
- **Building the model**
- Declare the dependent and independent variable
- Perform data sampling
- Import logistic regression module
- Fit the model
- **Testing**
- Predict on test data
- **Evaluation**
- Evaluate the model with metrics such as accuracy, precision, recall, ROC curve, AUC
- Predict the output of a new test instance