Classification Assignment - CKD

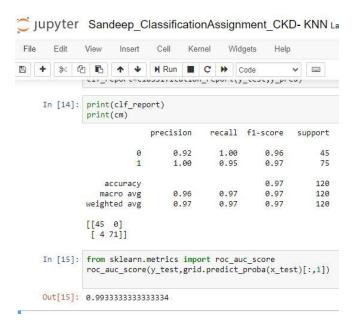
Problem Statement or Requirement:

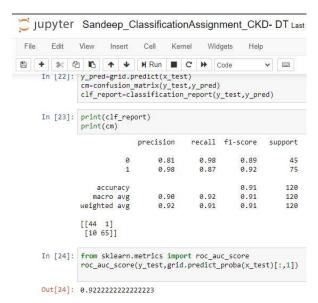
A requirement from the Hospital, Management asked us to create a predictive model which will predict the Chronic Kidney Disease (CKD) based on the several parameters. The Client has provided the dataset of the same.

1.) Identify your problem statement

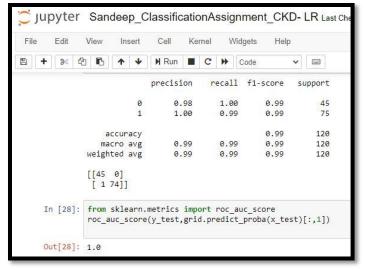
The Given problem is a classification under supervised learning, since problem statement and data are labeled properly including target variable.

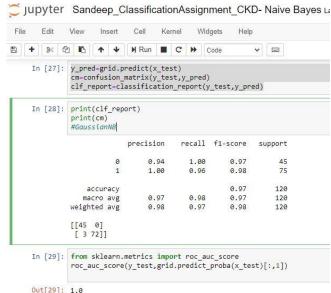
- 2.) Tell basic info about the dataset (Total number of rows, columns)
 - In data set we have 399 rows and 25 columns including categorical data column
 - We have 24 input indulging categorical Colum (11 column) and one categorical output
 Column
- Mention the pre-processing method if you're doing any (like converting string to number nominal data)
 - We need to convert the nominal data using one hot encoding method
 - We need to use standardization technique to minimize the difference between the values
- 4.) All the research values of each algorithm should be documented. (You can make tabulation or screenshot of the results.)



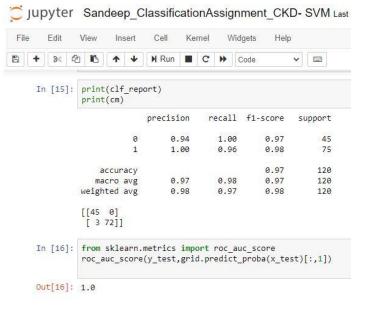


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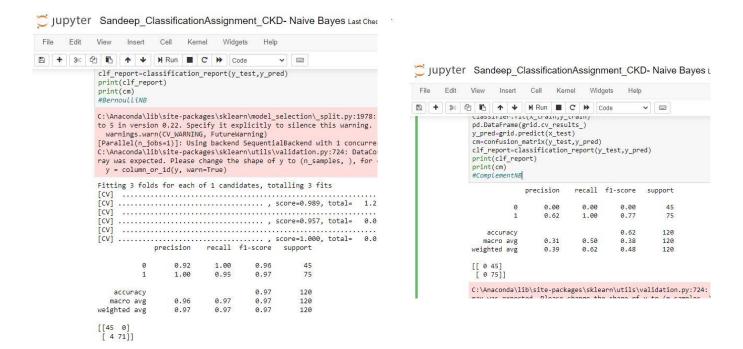


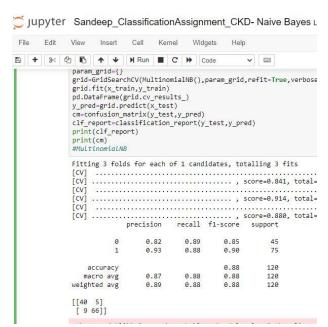






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5.) Mention your final model, justify why u have chosen the same.

I have choose **Logistic Regression** as the best model it gave us best accuracy and it's ROC value is one.