

Lab Assignment

Machine Learning (CSBB 311)

Assignment 2

- 1) Scrap names of top 10 countries in the world by GDP using the link below
[https://en.wikipedia.org/wiki/List_of_countries_by_GDP_\(PPP\)](https://en.wikipedia.org/wiki/List_of_countries_by_GDP_(PPP)).
- 2) Download 'heart.csv' dataset and perform following operation on the given dataset.
 - a) Find Shape of Data
 - b) Find Missing Values
 - c) Find data type of each column
 - d) Finding out Zero's
 - e) Find Mean age of patients
 - f) Now extract only Age, Sex, ChestPain, RestBP, Chol. Randomly divide dataset in training (75%) and testing (25%).
- 3) Download 'Diabetes.csv' dataset and perform KNN classification. Plot confusion matrix and find Precision, Recall, F-score and Accuracy.