

Assignment on Multiclass Regression

- i) Use any dataset that has multiple classes and has only real values, no categorical data and some missing values.
- ii) Consider any special character such as, “*”, “.”, “?” etc. as missing value as well as empty attributes. Replace these by **nan**.
- iii) Preprocess the dataset for missing values (when you find **nan**) in two ways:
 - 1. by dropping/deleting the columns that contain missing values
 - 2. by putting the average value of the entire column in the missing place*****If any label/class becomes missing, drop/delete the corresponding row*****
- iv) After preprocessing, do the classification task using KNN (for $k = 5, 7, 9, 13$) and Logistic regression. You can use the library functions for both.
- v) Plot the graph for accuracy and execution time for both the classifiers for different values of k for KNN and different values of max iteration for Logistic Regression.

Submission Guideline
Submit a text file containing the link to your colab file. Do change the permission of the file to “anyone with link can view”.
Deadline: 11:00 pm, Monday, January 18, 2021