

ML Lab (CS360)

Assignment 3

Please download the dataset using the link given below

Link: [Click Here](#)

1. Write a python program to read the dataset and print the number of features, number of patterns, range of output available in the dataset.
2. Write a program to randomly split the dataset in X:Y ratio. Here, the values of X and Y are as follows (X+Y = 100% always):
(please do not use train_test_split package)
 - a. X = 10:10:90 (i.e., initial: 10%, increment by 10%, maximum is 90%)
 - b. Y = 90:10:10 (i.e., initial: 90%, decrement by 10%, minimum is 10%)
3. Write a program to calculate the row-wise, column-wise, and overall mean, median, mode, and standard deviation of the dataset.
1. Write a program to plot a graph (using matplotlib) for the dataset shared in Assignment 2

Please do not copy anyone's code. Try to learn coding.

Thank you
Happy learning