

ML Lab (CS360)

Assignment 2

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):
 - 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.
4. Calculate the sum square error for polynomial curve fitting problem using the dataset.

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

Thank you
Happy learning