Practical Task: 15 marks

Read the Dataset in CSV format.

Handle the Null values.

Apply all the operations that we covered in the NumPy lecture.

Hints:

Reading the data set in numpy array.

Method 1

import csv

with open("winequality-red.csv", 'r') as f:

   wines = list(csv.reader(f, delimiter=";"))

import numpy as np

wines = np.array(wines[1:], dtype=np.float)

Method 2

wines = np.genfromtxt("winequality-red.csv", delimiter=";", skip_header=1)