import pandas as pd

import numpy as np

import matplotlib.pyplot as plt

from sklearn import preprocessing

df.columns

df.mean()

print('Iris-setosa')

setosa = df['Species'] == 'Iris-setosa'

df[setosa].describe()

print('Iris-versicolor')

versicolor = df['Species'] == 'Iris-versicolor'

df[versicolor].describe()

print('Iris-virginica')

virginica = df['Species'] == 'Iris-virginica'

df[virginica].describe()

df.iloc[:5].mean()

#similarly find mean/min/max/mode/std

df.dtypes

df.dtypes.value\_counts()

le = LabelEncoder()

df['Species']=le.fit\_transform(df['Species'])

Df