import pandas as pd

import numpy as np

import matplotlib.pyplot as plt

data=pd.read\_csv("https://raw.githubusercontent.com/amankharwal/Website-data/master/IRIS.csv")

spec=pd.get\_dummies(data["species"])

#original data

print(data)

data['species'] = data.species.map({"Iris-setosa":0, 'Iris-versicolor':1,"Iris-virginica":2})

#datas after scaling

print(data)

from sklearn.preprocessing import StandardScaler

scal=StandardScaler()

scal.fit(data.iloc[:,0:-1])

data2=scal.transform(data.iloc[:,0:-1])

data3=pd.DataFrame(data2,columns=["sepal\_length","sepal\_width","petal\_length","petal\_width"])

x=data3

y=data["species"]

#train\_test\_split

from sklearn.model\_selection import train\_test\_split

x\_train,x\_test,y\_train,y\_test=train\_test\_split(x,y,test\_size=.30,random\_state=42)

from sklearn.neighbors import KNeighborsClassifier

knn=KNeighborsClassifier(n\_neighbors=7)

knn.fit(x\_train,y\_train)

p=knn.predict(x\_test)

#predictions

print(p)