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# -*- coding: utf-8 -*-
""" #Support Vector machine
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import numpy as np
import matplotlib.pyplot as plt
import pandas as pd

# Importing The dataset
dataset = pd.read_csv(r"C:\Users\HP\Downloads\logit classification (1).csv")
x = dataset.iloc[:,[2,3]].values
y = dataset.iloc[:, -1].values

# Splitting the dataset into the Training set and Test set
from sklearn.model_selection import train_test_split
x_train, x_test, y_train, y_test = train_test_split(x,y, test_size =0.20, random_state=0)

# Feature Scaling
from sklearn.preprocessing import StandardScaler
sc = StandardScaler()
x_train = sc.fit_transform(x_train)
x_test = sc.transform(x_test)

# Training the svm model on the Training set
from sklearn.svm import SVC
classifier = SVC()
classifier.fit(x_train, y_train)

# KNN classifier algorithm
from sklearn.neighbors import KNeighborsClassifier
classifier_knn = KNeighborsClassifier
classifier_knn.fit(x_train, y_train)

# Predicting the Test set results
y_pred = classifier.predict(x_test)

# Making the Confusion Matrix
from sklearn.metrics import confusion_matrix
cm = confusion_matrix(y_test, y_pred)
print(cm)

# this is to get the models accuracy
from sklearn.metrics import accuracy_score
ac = accuracy_score(y_test, y_pred)
print(ac)

bias = classifier.score(x_train, y_train)
bias

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