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In [ ]:
import numpy as np
import pandas as pd
In [ ]:
url = 'C:\\Users\\mohit\\Desktop\\LP III\\ML\\3\\diabetes.csv'
df = pd.read_csv(url)
In [ ]:
df
In [ ]:
x = df.drop('Outcome', axis = 1)
y = df['Outcome']
In [ ]:
from sklearn.preprocessing import scale
x = scale(x)
In [ ]:
from sklearn.model_selection import train_test_split
x_train, x_test, y_train, y_test = train_test_split(x, y, test_size = 0.2)
In [ ]:
from sklearn.neighbors import KNeighborsClassifier
knn = KNeighborsClassifier(n_neighbors = 7)
knn.fit(x_train, y_train)
y_pred = knn.predict(x_test)
In [ ]:
from sklearn import metrics
In [ ]:
print(metrics.confusion_matrix(y_test, y_pred))
In [ ]:
print(metrics.accuracy_score(y_test, y_pred))
In [ ]:
print(1 - metrics.accuracy_score(y_test, y_pred))
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In [ ]:
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print(metrics.precision_score(y_test, y_pred))
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In []:

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print(metrics.recall_score(y_test, y_pred))
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In []:

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print(metrics.classification_report(y_test, y_pred))
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