

print/"Dradiction using Distance Weighted KMN for (6.6) - " model predict distance weighted/[[6.61]])

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print("Prediction using Locally Weighted Average KINN for (6,6): ", model.predict_locally_weighted_average([(6, 6)]))

Prediction using Standard KINN for (6,6): ['Y']

Prediction using Distance Weighted KNN for (6,6): ['Y']

In [25]: # using sklearn

from sklearn.neighbors import KNeighborsclassifier

# standard KNN

knn = KNeighborsclassifier(n_neighbors = 3)

knn.fit(x, y)

ypred1 = knn.predict([(6, 6)])

print("Prediction using Standard KNN for (6,6): ", ypred1)

Prediction using Standard KNN for (6,6): ", ypred1)

In [26]: # Distance weighted KNN

wknn = KNeighborsclassifier(n_neighbors = 3, weights='distance')

wknn.fit(x, y)

ypred2 = wknn.predict([(6, 6)])

print("Prediction using Distance Weighted KNN for (6,6): ", ypred2)

Prediction using Distance Weighted KNN for (6,6): ['Y']

In []:
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