

| | <pre>dt.fit(train_gc.drop('rating', axis = 1), train_gc.rating) DecisionTreeClassifier(ccp_alpha=0.0, class_weight=None, criterion='gini',</pre> |
|-----|--|
| : 6 | random_state=None, splitter='best') dt.predict(test_gc.drop('rating', axis = 1)) array([3, 5, 3,, 3, 5, 4], dtype=int64) dt.predict_proba(test_gc.drop('rating', axis = 1)) array([[0., 0., 1., 0., 0.], |
| : : | |
| | <pre>pred = dt.predict(x_test) From sklearn import metrics metrics.accuracy_score(y_test,y_pred) 0.31946027442182257 nsights:</pre> |
| | - Using DecisionTreeClassifier here, we have obtained 31% accuracy from the model KNN From sklearn.neighbors import KNeighborsClassifier knn = KNeighborsClassifier(n neighbors = 7).fit(x dc, y dc) |
| I | <pre>knnaccuracy = knn.score(x_dc, y_dc) knn_predictions = knn.predict(x_test) brint("KNN accuracy: {:.4f}".format(knnaccuracy)) KNN accuracy: 0.5230 Conclusion: - From KNN we got 52% accuracy_score</pre> |
| : | Gaussian Naive Bayes From sklearn.naive_bayes import GaussianNB gnb = GaussianNB().fit(x_dc, y_dc) gnbaccuracy = gnb.score(x_dc, y_dc) gnb_predictions = gnb.predict(x_test) print("GNB accuracy: {:.4f}".format(gnbaccuracy)) GNB accuracy: 0.3479 |
| | Here we got 34% score |
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