

```

Complement Naive Bayes
      precision    recall  f1-score   support

     0       0.56      0.59      0.57        321
     1       0.54      0.51      0.53        305

 accuracy          0.55          0.55          0.55          626
 macro avg         0.55          0.55          0.55          626
weighted avg         0.55          0.55          0.55          626

accuracy is 0.549520766773163
Gaussian Naive Bayes
      precision    recall  f1-score   support

     0       0.77      0.64      0.70        321
     1       0.68      0.80      0.73        305

 accuracy          0.72          0.72          0.72          626
 macro avg         0.72          0.72          0.71          626
weighted avg         0.72          0.72          0.71          626

accuracy is 0.7156549520766773

```

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Multinomial Naive Bayes
      precision    recall  f1-score   support

     0       0.51      1.00      0.68        321
     1       0.00      0.00      0.00        305

 accuracy          0.51          0.51          0.51          626
 macro avg         0.26          0.50          0.34          626
weighted avg         0.26          0.51          0.35          626

accuracy is 0.512779552715655
Bernoulli Naive Bayes
      precision    recall  f1-score   support

     0       0.51      1.00      0.68        321
     1       0.00      0.00      0.00        305

 accuracy          0.51          0.51          0.51          626
 macro avg         0.26          0.50          0.34          626
weighted avg         0.26          0.51          0.35          626

accuracy is 0.5111821086261981

```

Linear SVC (SVM)

svm accuracy of training data= 71.86

	precision	recall	f1-score	support
0	0.72	0.72	0.72	321
1	0.71	0.70	0.70	305
accuracy			0.71	626
macro avg	0.71	0.71	0.71	626
weighted avg	0.71	0.71	0.71	626

accuracy is 0.7108626198083067

Linear Regression

	precision	recall	f1-score	support
0	0.72	0.71	0.72	321
1	0.70	0.71	0.70	305
accuracy			0.71	626
macro avg	0.71	0.71	0.71	626
weighted avg	0.71	0.71	0.71	626

accuracy is 0.7108626198083067

Logistic Regression

	precision	recall	f1-score	support
0	0.71	0.73	0.72	321
1	0.71	0.69	0.70	305
accuracy			0.71	626
macro avg	0.71	0.71	0.71	626
weighted avg	0.71	0.71	0.71	626

accuracy is 0.7092651757188498

KNN, k=5

	precision	recall	f1-score	support
0	0.67	0.72	0.70	321
1	0.68	0.63	0.66	305
accuracy			0.68	626
macro avg	0.68	0.68	0.68	626
weighted avg	0.68	0.68	0.68	626

accuracy is 0.6789137380191693

KNN, k=7

	precision	recall	f1-score	support
0	0.70	0.74	0.72	321
1	0.71	0.67	0.69	305
accuracy			0.70	626
macro avg	0.70	0.70	0.70	626
weighted avg	0.70	0.70	0.70	626

accuracy is 0.7044728434504792

KNN, k=9

	precision	recall	f1-score	support
0	0.70	0.78	0.73	321
1	0.73	0.64	0.68	305
accuracy			0.71	626
macro avg	0.71	0.71	0.71	626
weighted avg	0.71	0.71	0.71	626

accuracy is 0.7108626198083067

KNN, k=11

	precision	recall	f1-score	support
0	0.70	0.77	0.73	321
1	0.73	0.65	0.69	305
accuracy			0.71	626
macro avg	0.71	0.71	0.71	626
weighted avg	0.71	0.71	0.71	626

accuracy is 0.7108626198083067

```

Decision Tree
      precision    recall  f1-score   support

    0       0.70      0.70      0.70        321
    1       0.69      0.69      0.69        305

 accuracy          0.70        626
  macro avg       0.70      0.70      0.70        626
 weighted avg     0.70      0.70      0.70        626

accuracy is 0.6964856230031949
Decision Tree Post Pruning
      precision    recall  f1-score   support

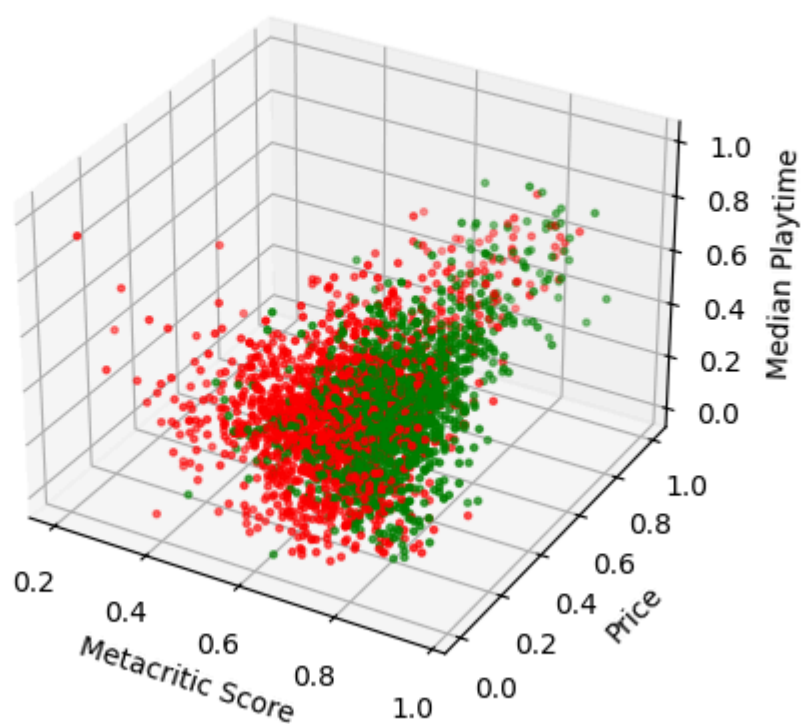
    0       0.75      0.67      0.71        321
    1       0.69      0.76      0.72        305

 accuracy          0.72        626
  macro avg       0.72      0.72      0.72        626
 weighted avg     0.72      0.72      0.72        626

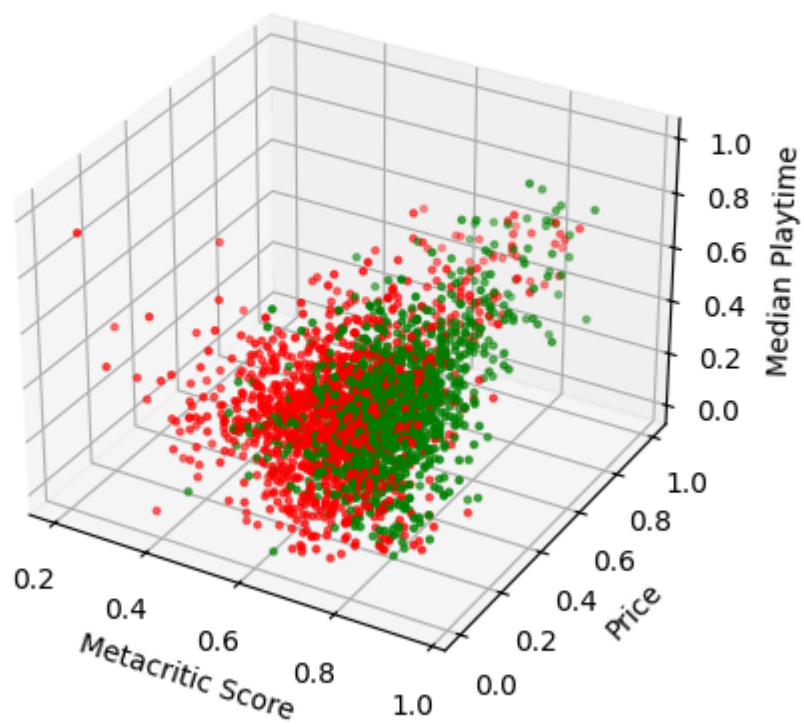
accuracy is 0.7156549520766773

```

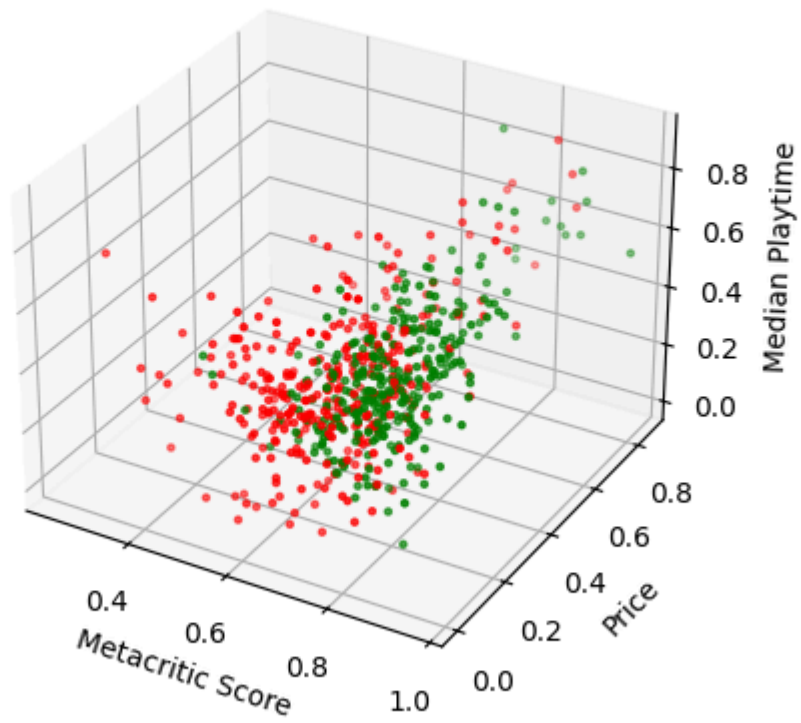
Games Data



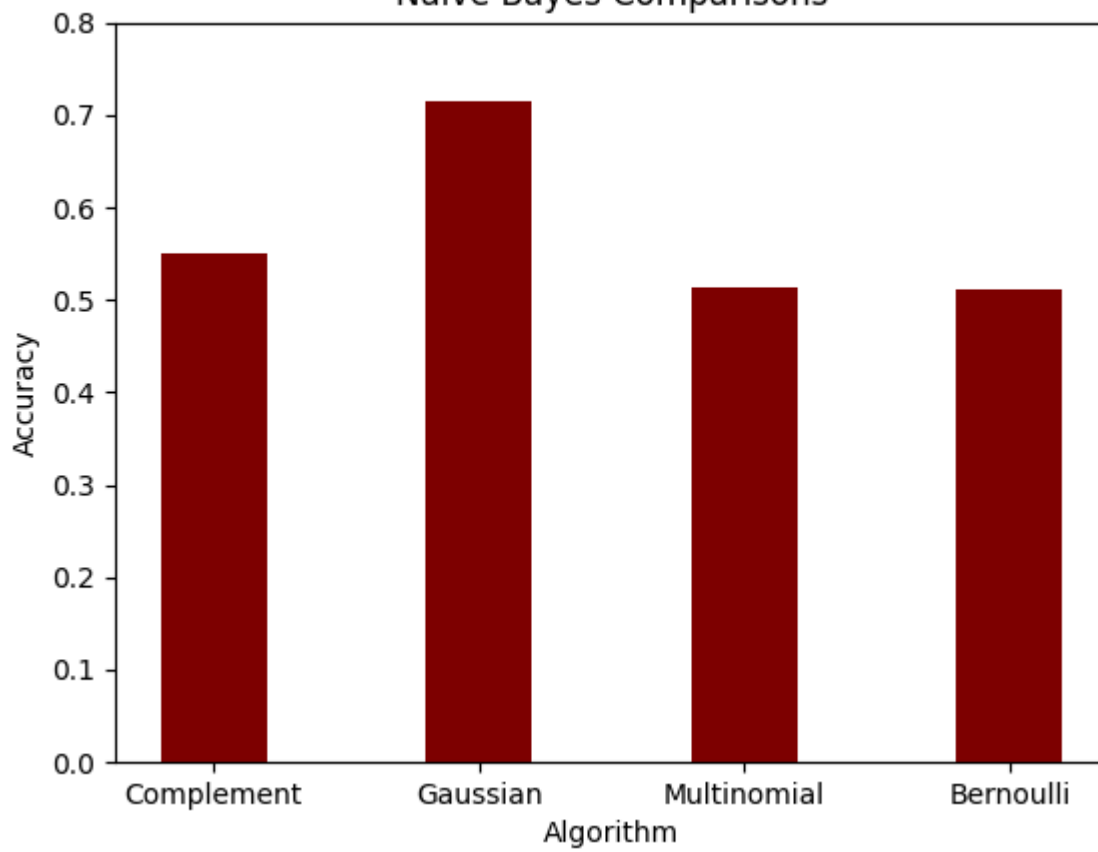
Training Data

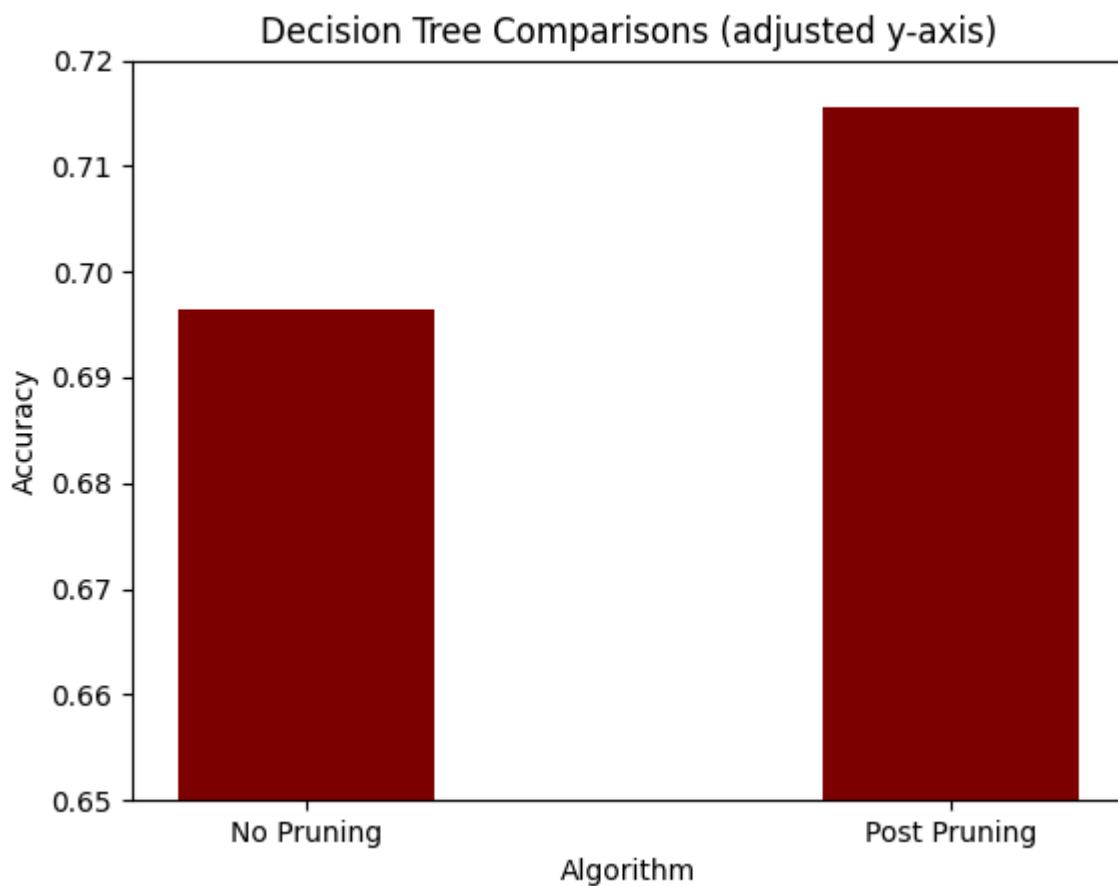
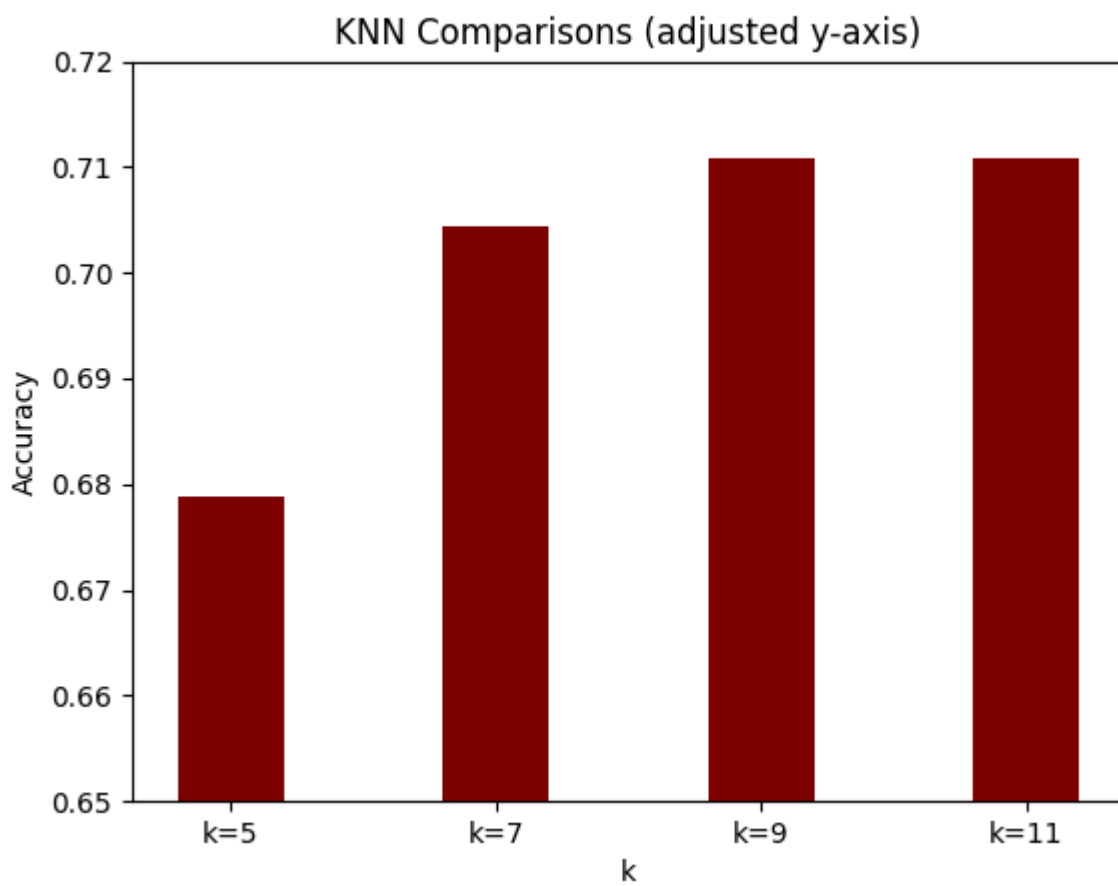


Testing Data

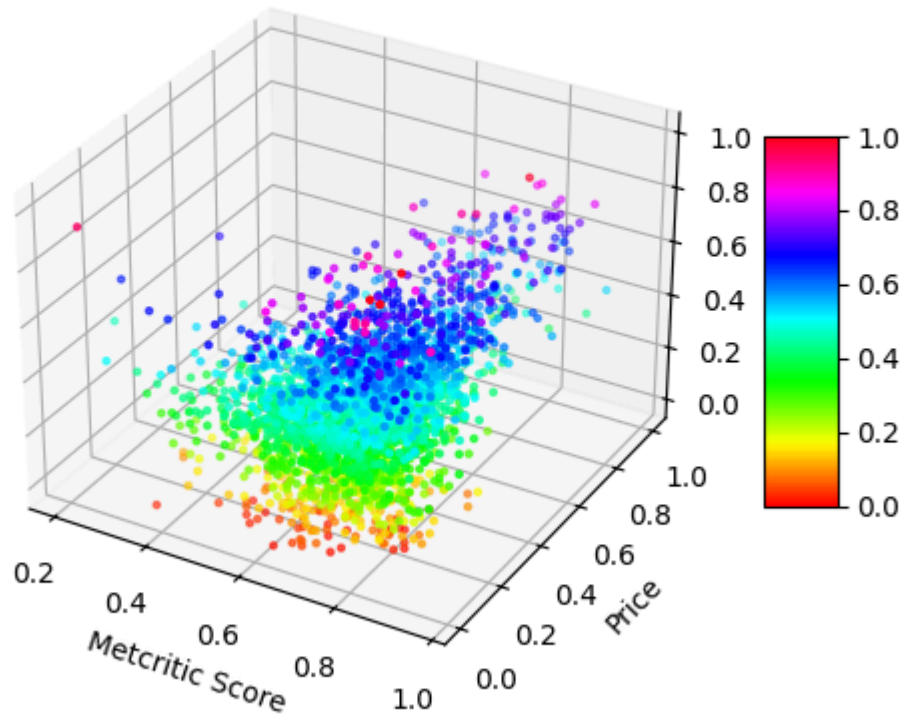


Naive Bayes Comparisons

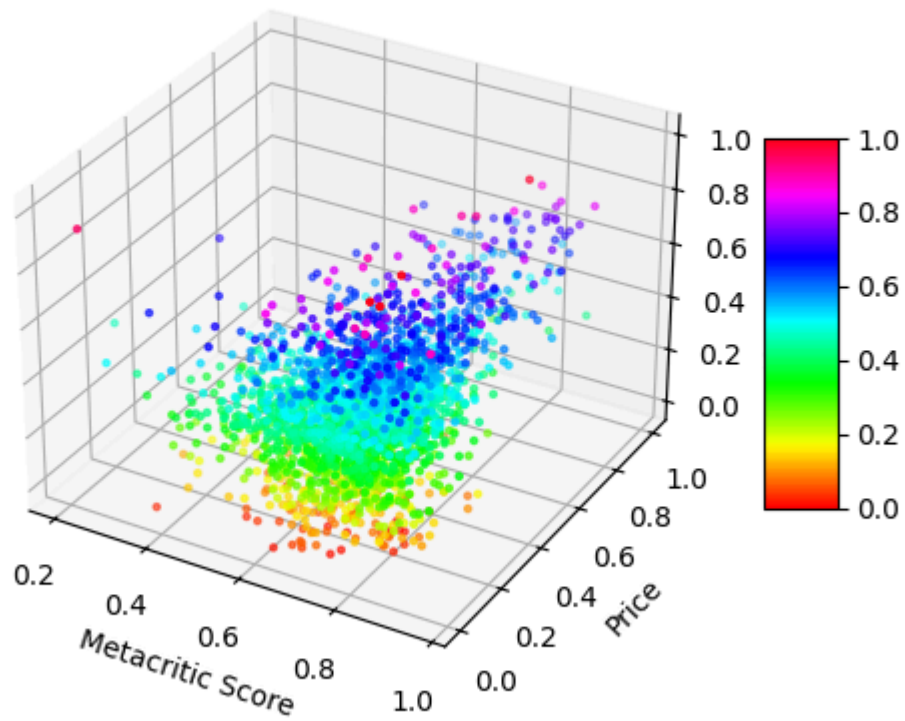




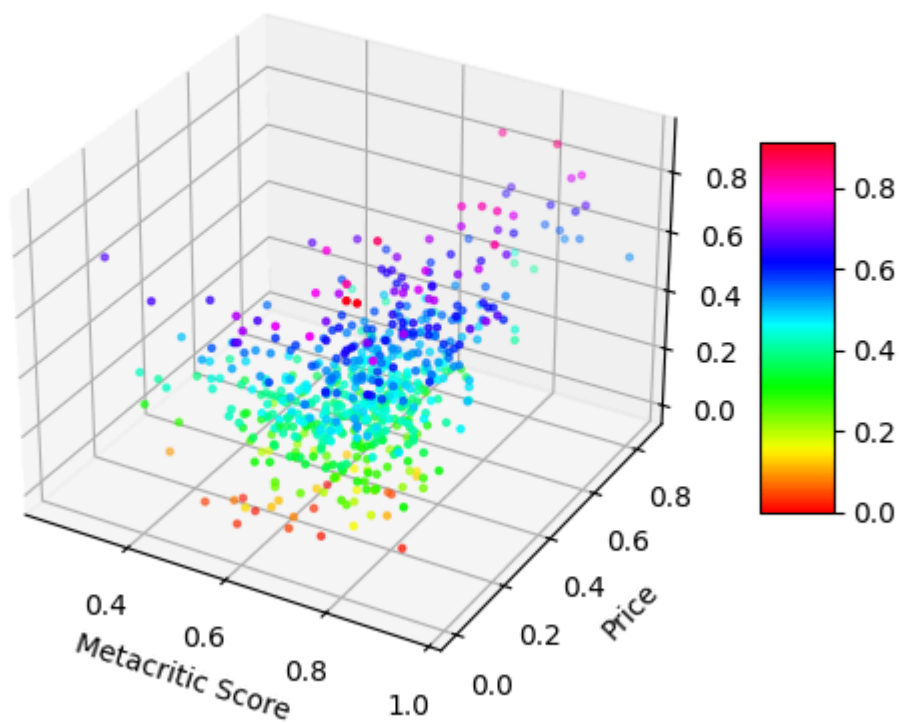
Games Data



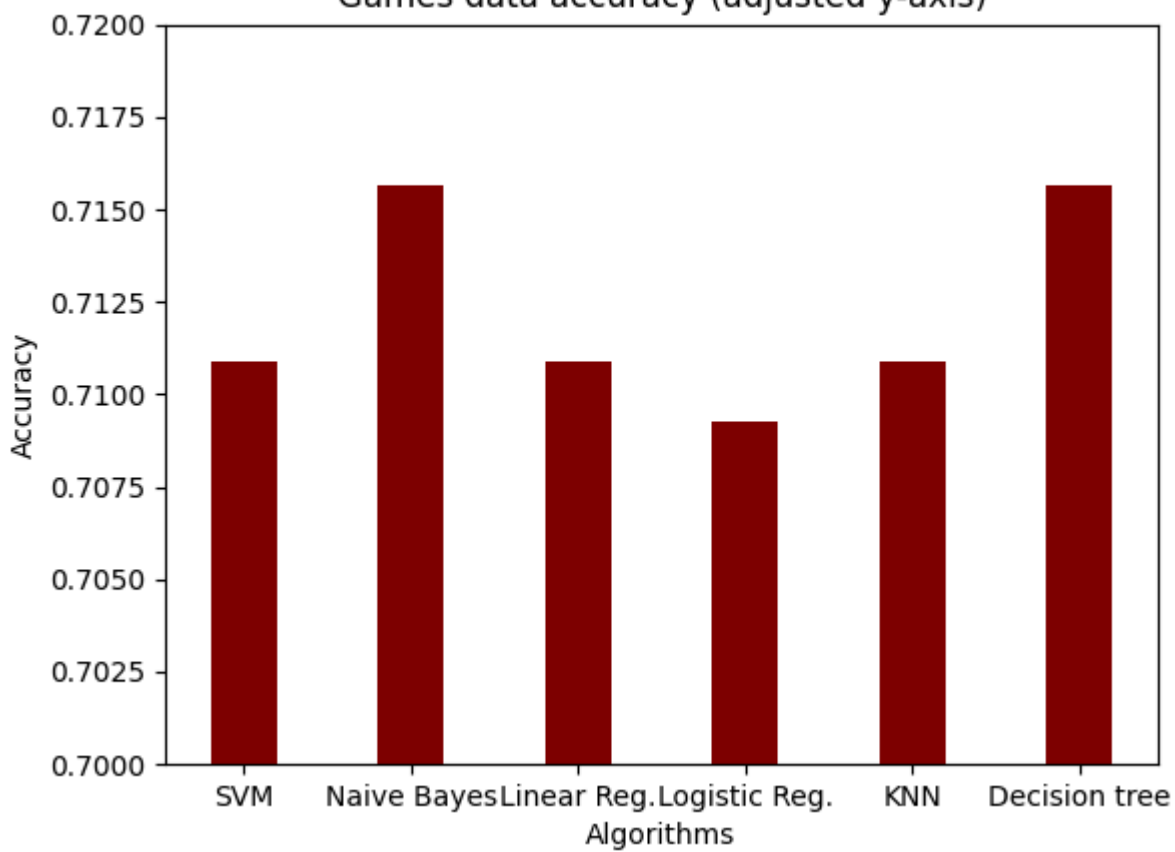
Training Data



Testing Data



Games data accuracy (adjusted y-axis)



Games data accuracy

