

Here's the comparison of algorithm accuracies for various PCAs (2, 4, 6, 8):

**PCA 2:**

Algorithm	Accuracy
Logistic Regression	0.822
SVM Linear	0.822
SVM Non-Linear	0.822
Naive Bayes	0.8
KNN	0.711
Decision Tree	0.688
Random Forest	0.822

**PCA 4:**

Algorithm	Accuracy
Logistic Regression	0.911
SVM Linear	0.911
SVM Non-Linear	0.933
Naive Bayes	0.956
KNN	0.911
Decision Tree	0.911
Random Forest	0.911

**PCA 6:**

Algorithm	Accuracy
Logistic Regression	0.933
SVM Linear	0.956
SVM Non-Linear	1.0
Naive Bayes	0.978
KNN	0.933
Decision Tree	0.911
Random Forest	0.933

**PCA 8:**

Algorithm	Accuracy
Logistic Regression	0.978
SVM Linear	0.956
SVM Non-Linear	1.0
Naive Bayes	0.978
KNN	0.978
Decision Tree	0.911
Random Forest	0.933