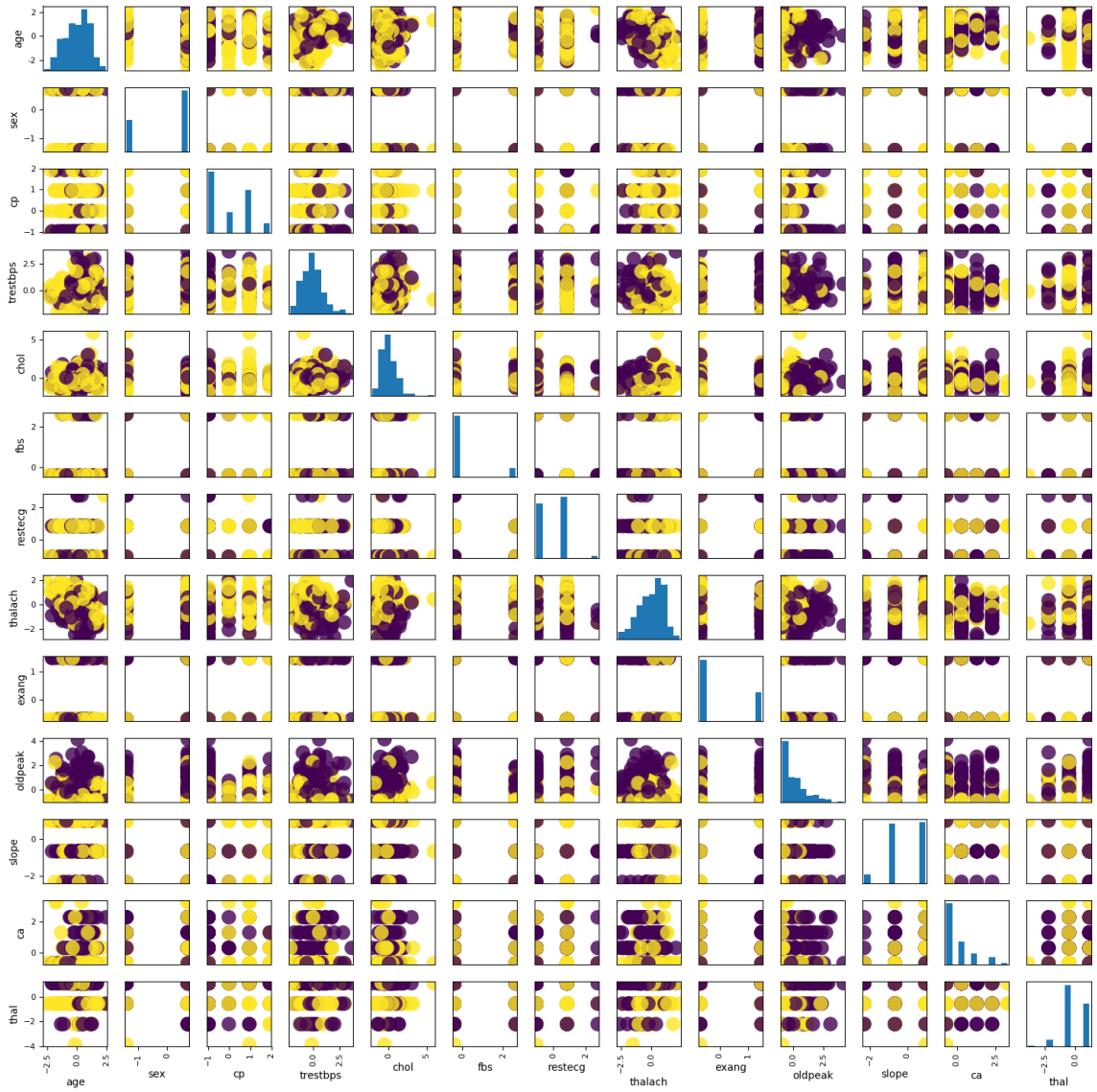
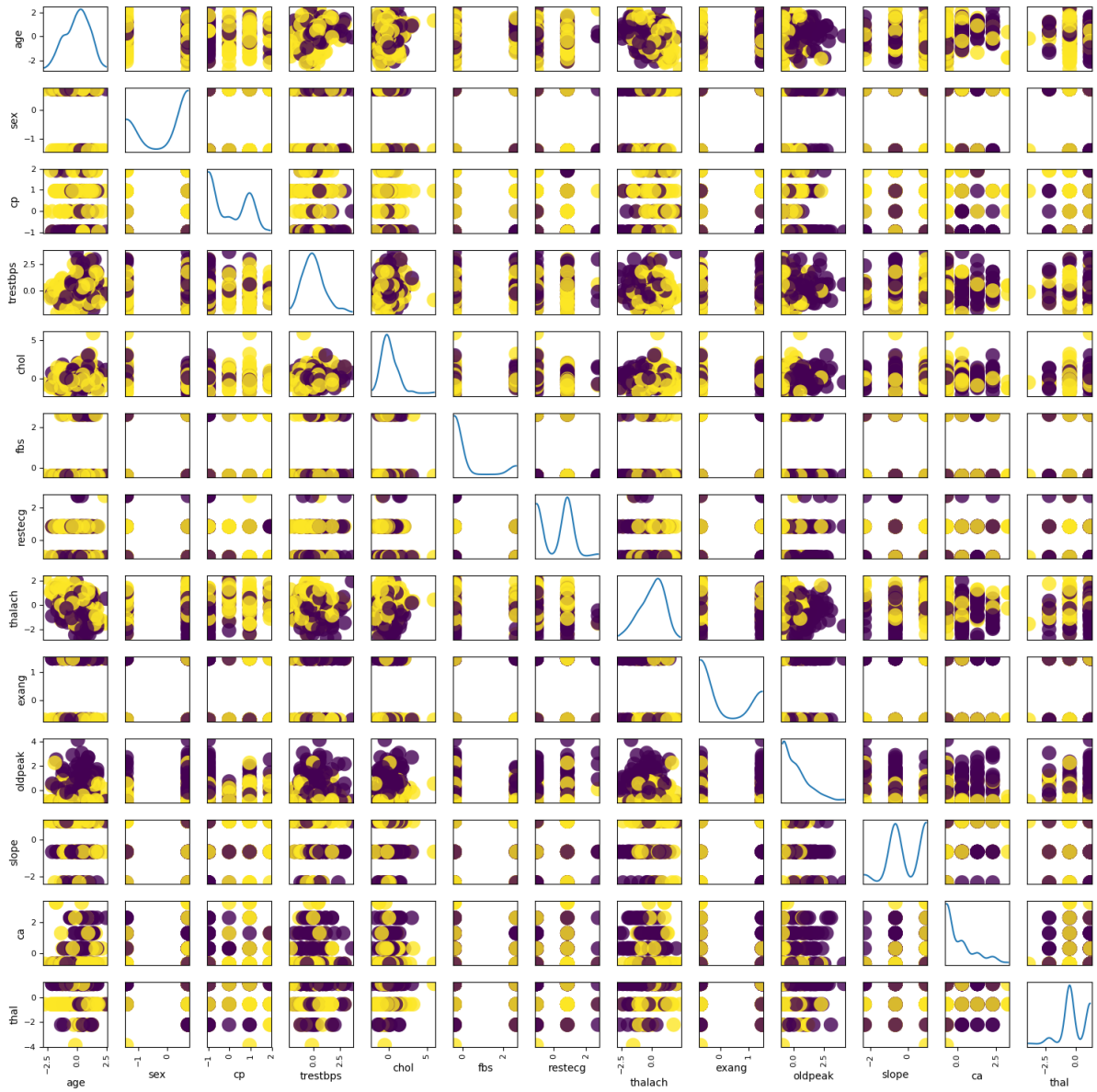
Scatter matrix with diagonal entries of histograms.

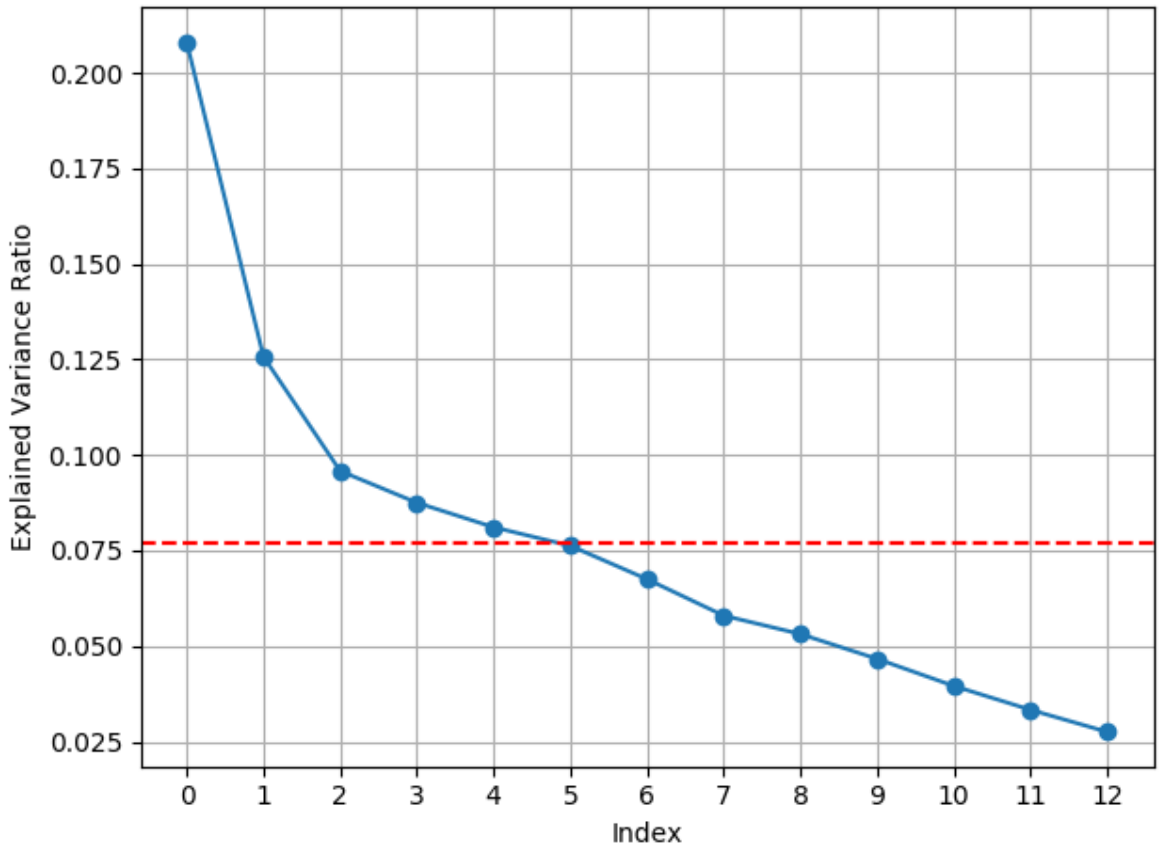


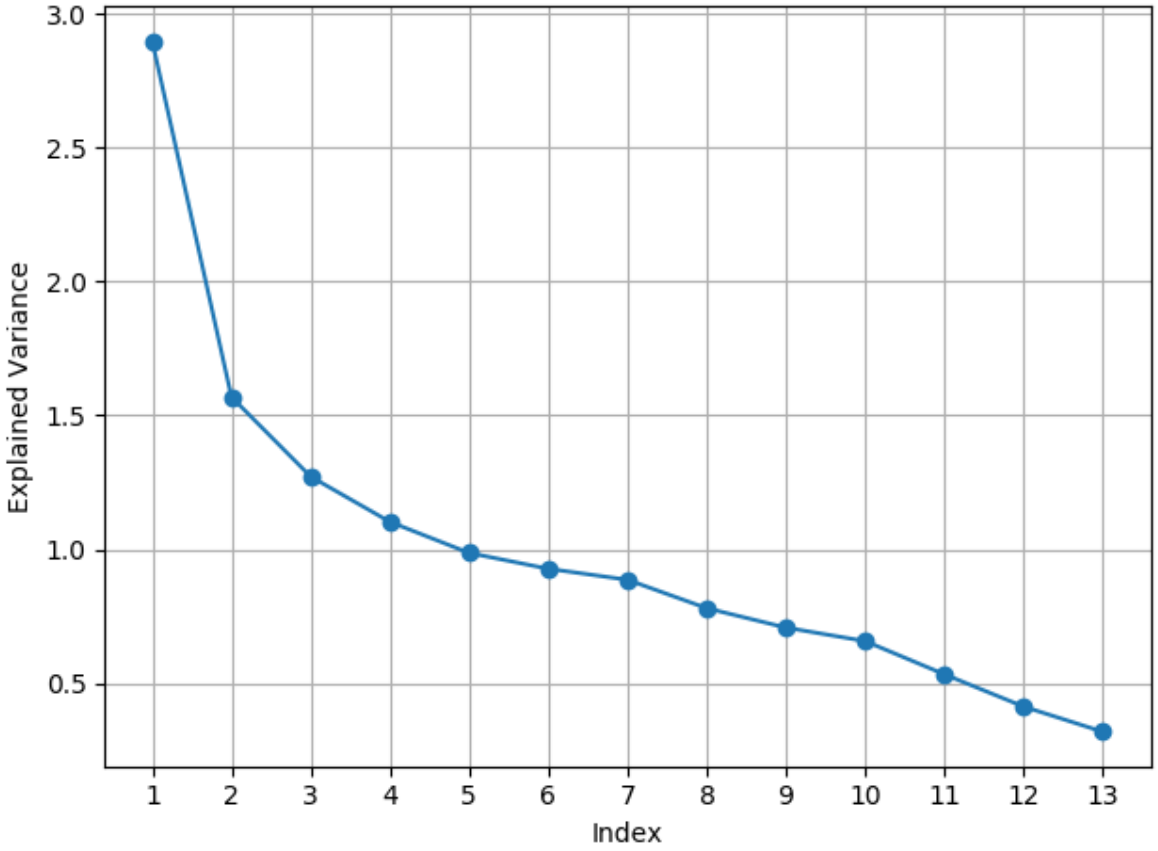
Scatter matrix with to visualize data with diagonal entries of probability distribution

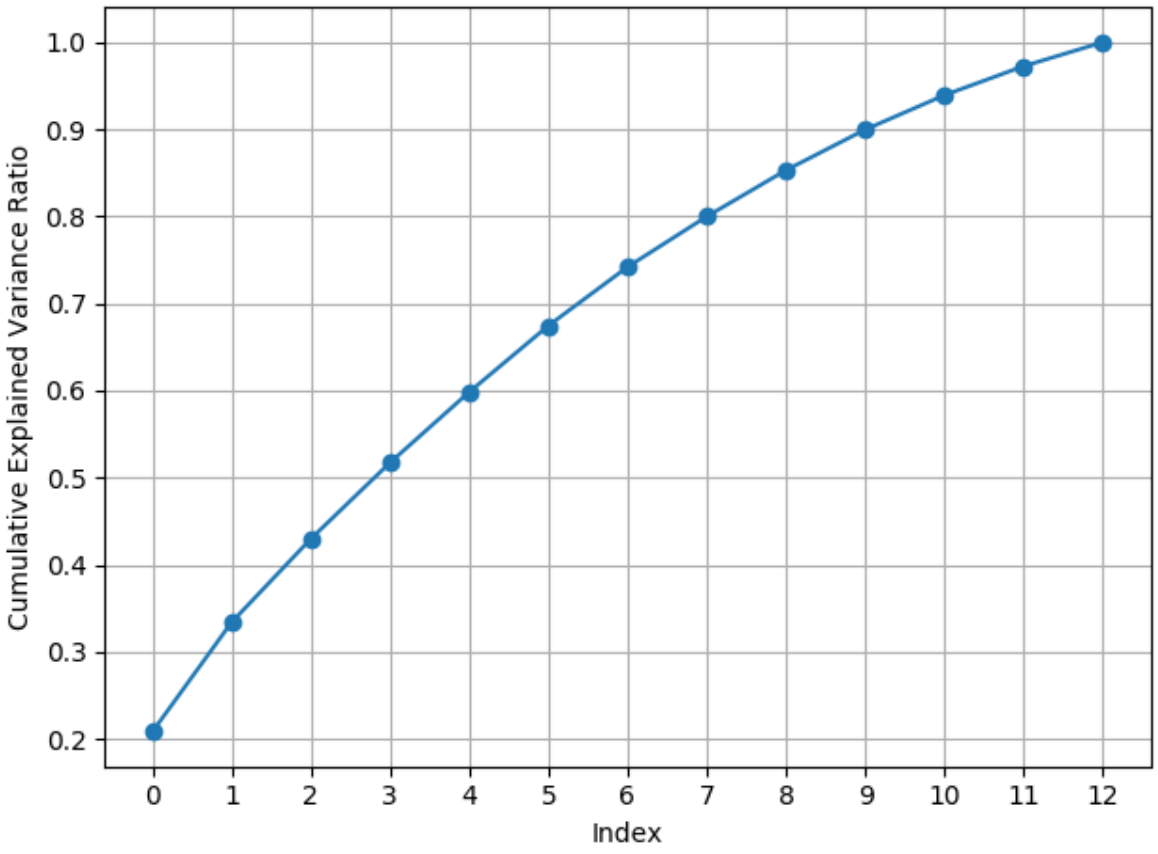


PCA related graphs

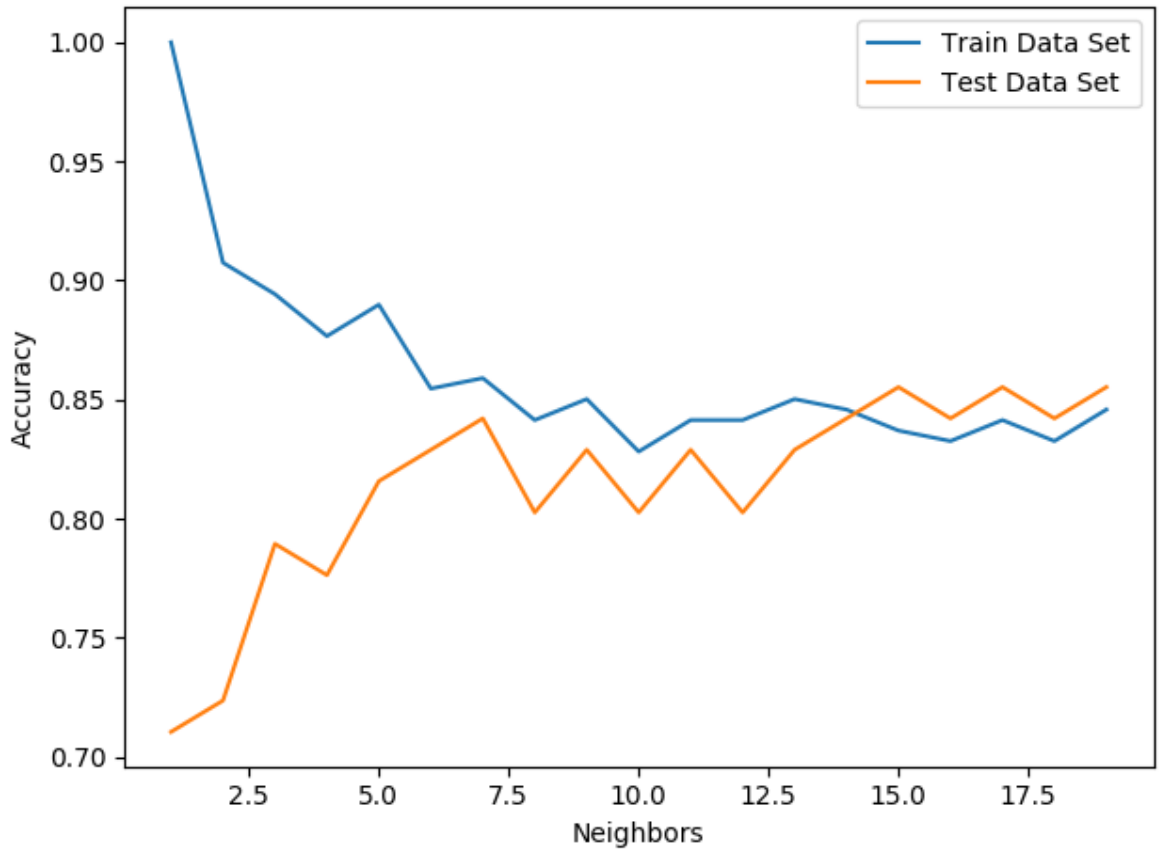
Graph of Explained variance ratio of transformed training data and transformed dimensions.

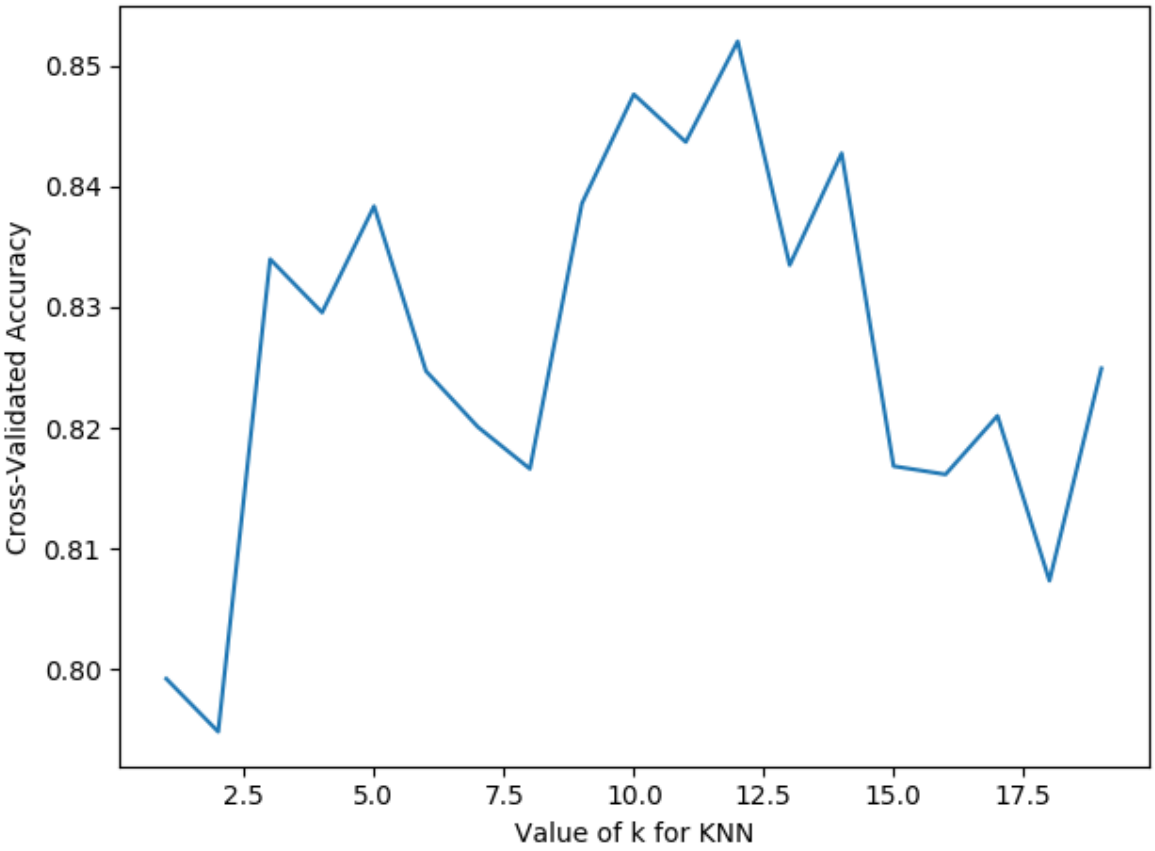
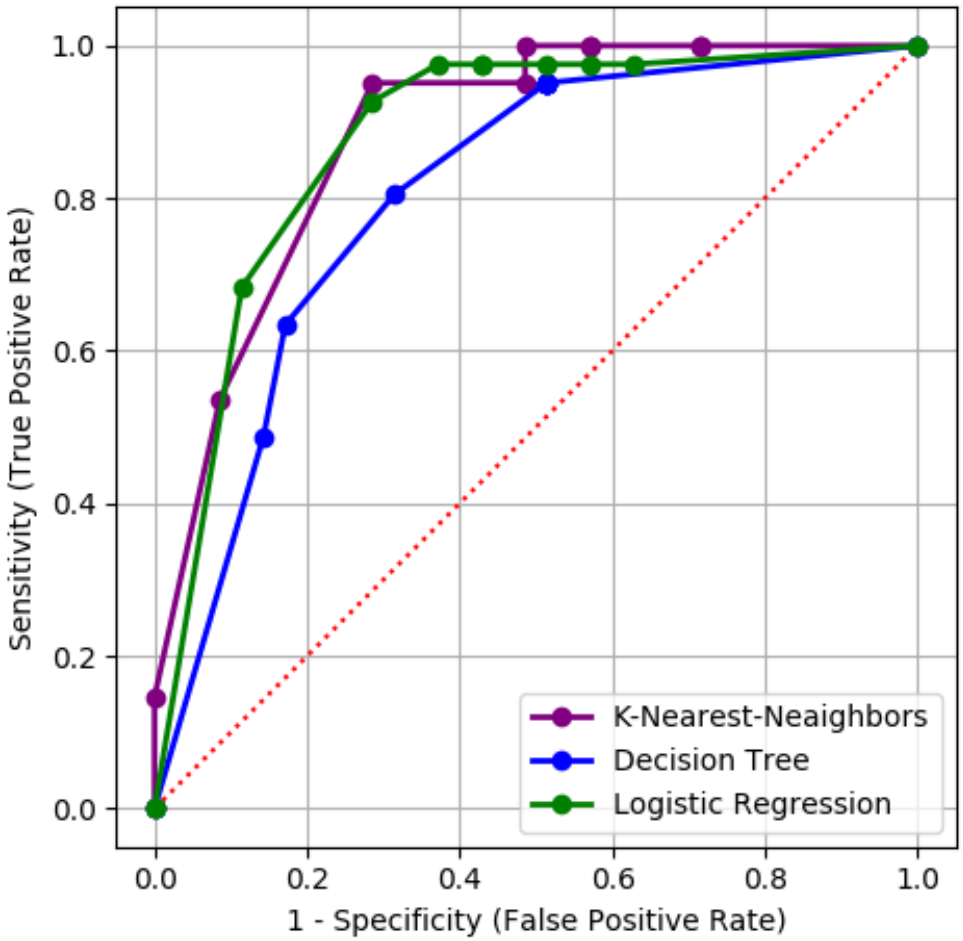



Explained Variance
3.0
2.5
2.0
1.5
1.0
0.5
1
2
3
4
5
6
7
8
9
10
11
12
13
Index


Cumulative Explained Variance Ratio
1.0
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0
1
2
3
4
5
6
7
8
9
10
11
12
Index

K- Nearest Neighbors graphs related to find the appropriate K value




0.85
0.84
0.83
0.82
0.81
0.80
Cross-Validated Accuracy
2.5
5.0
7.5
10.0
12.5
15.0
17.5
Value of k for KNN

Receiver Operating Characteristics (ROC) curve of three models (KNN, Decision Tree, Logistic Regression)