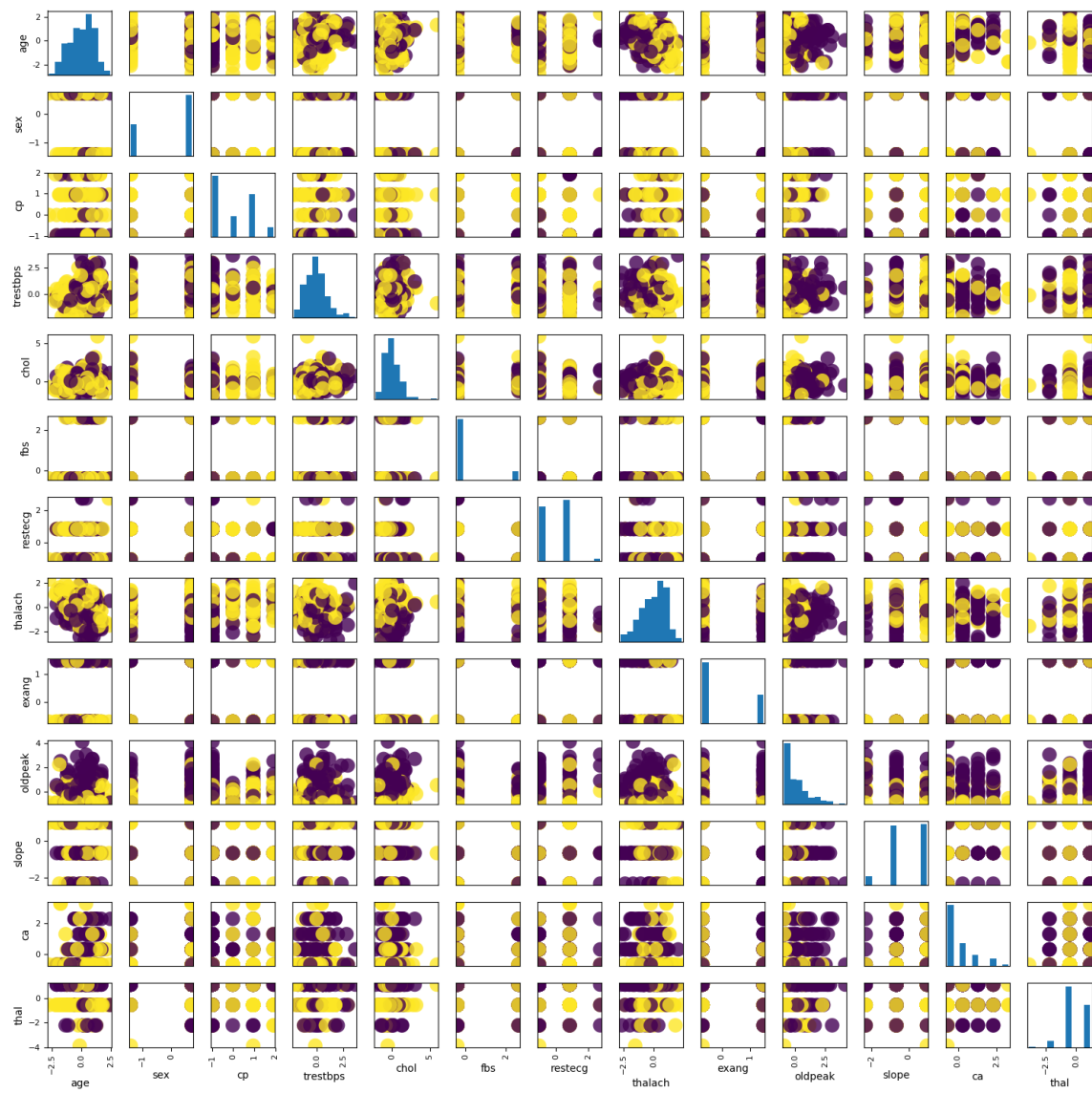
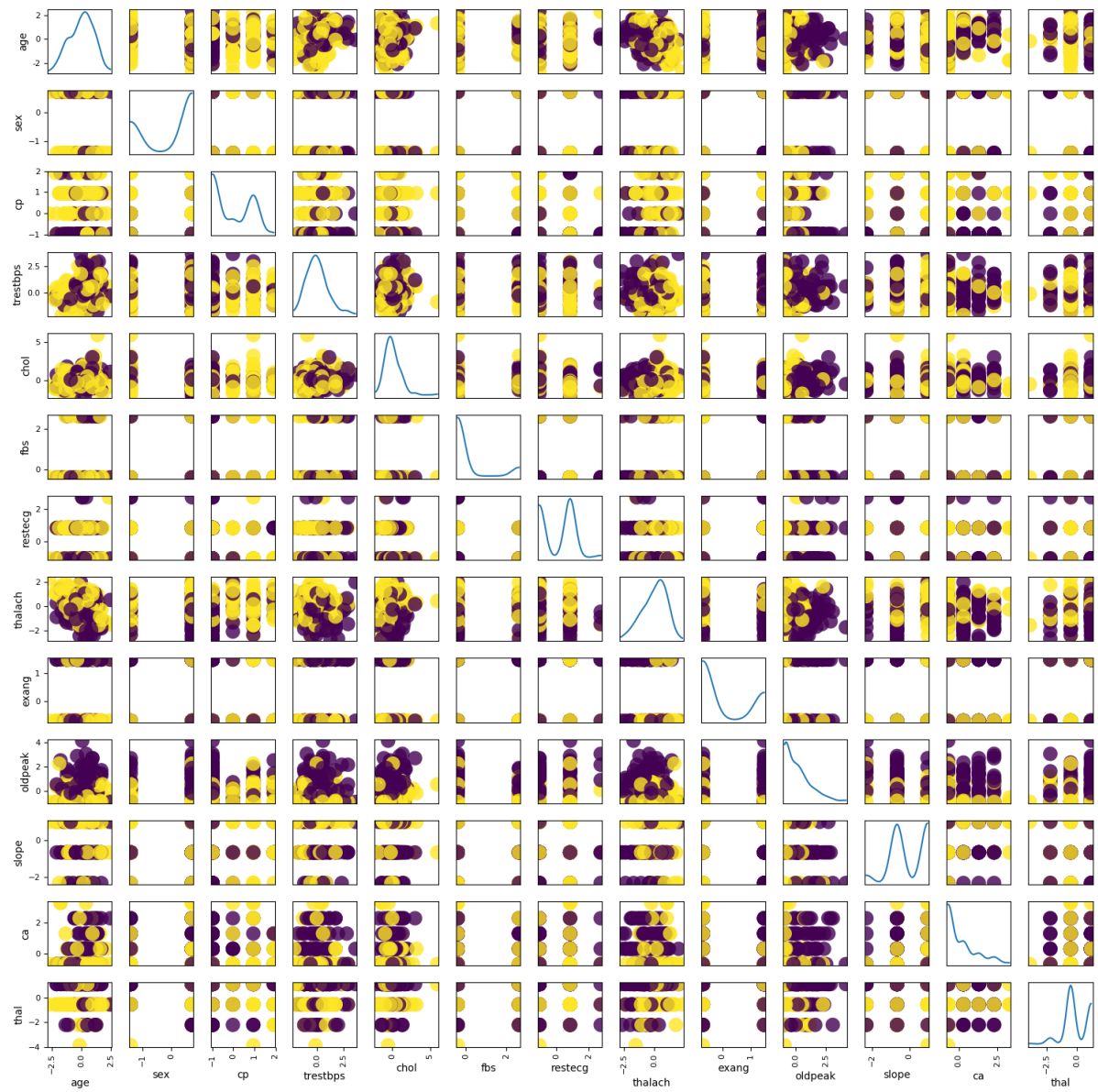


**Scatter matrix with diagonal entries of histograms.**

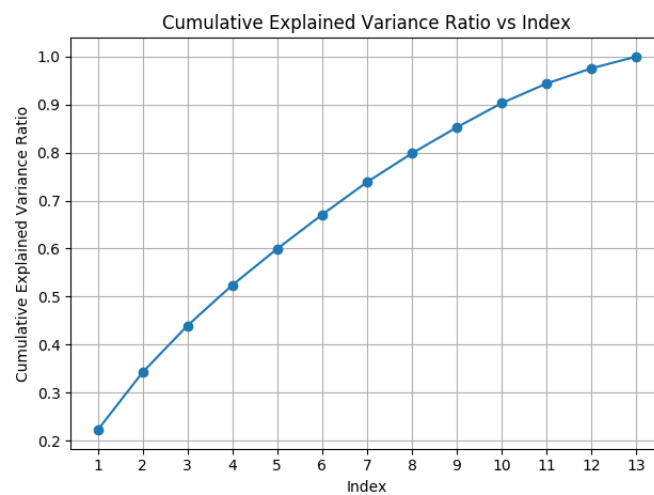
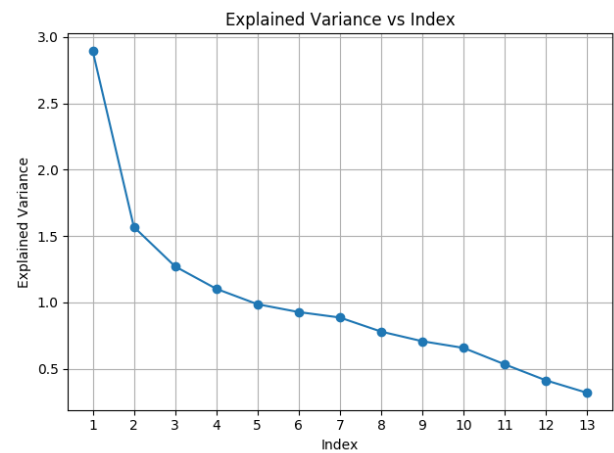
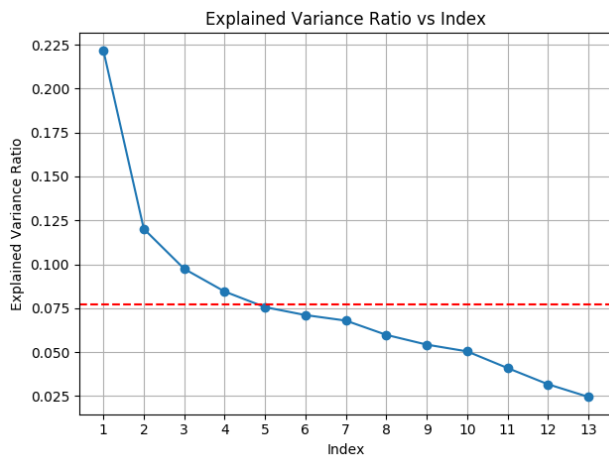


Scatter matrix with to visualize data with diagonal entries of probability distribution

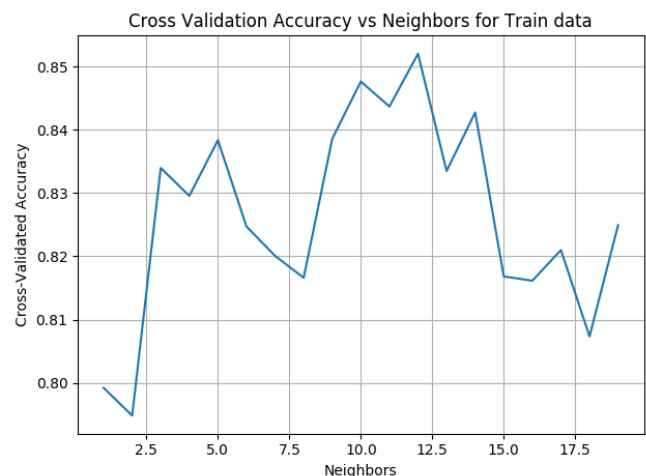
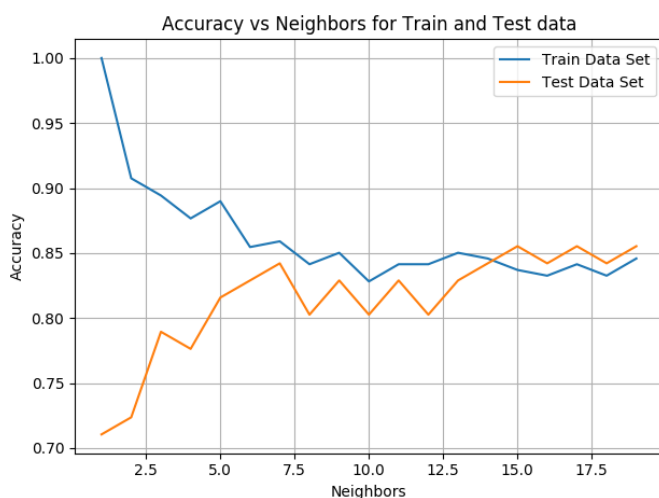


## PCA related graphs

Graph of Explained variance ratio of transformed training data and transformed dimensions. The elbow in the graph is at number of dimensions to be 5, select the eigenvalue whose Variance Explained Ratio is greater than the reciprocal of the number of variables.



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



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

