

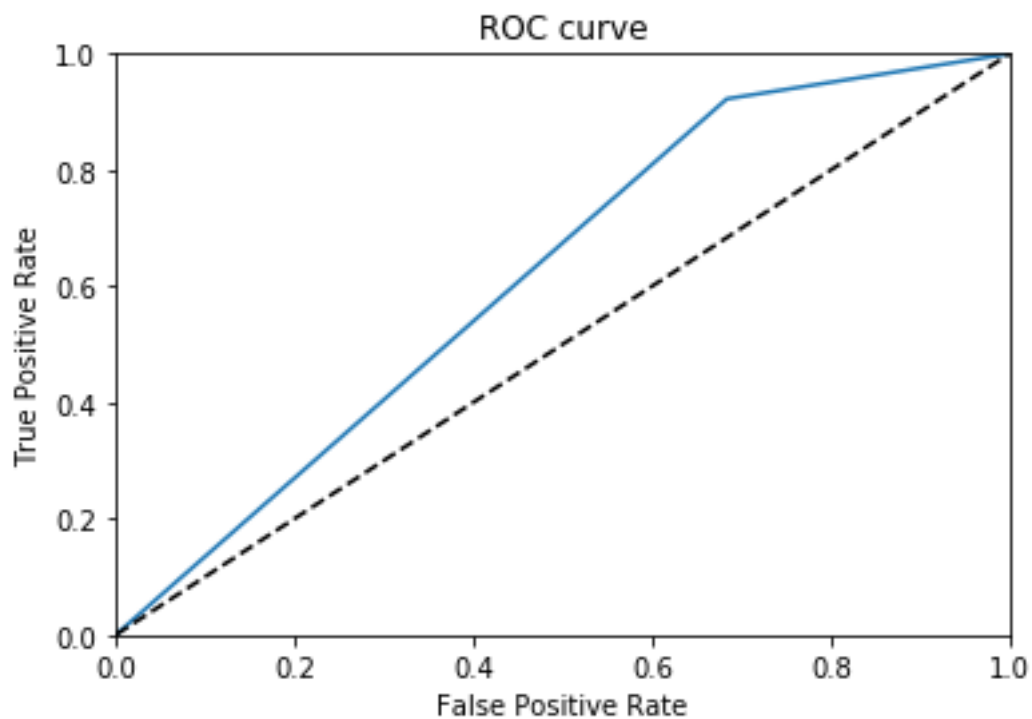
MODELS EVALUATION

Decision Tree with no cross validation (only train-test splitting)

<i>Confusion Matrix</i>	NO ASD	ASD
NO ASD	31	67
ASD	17	202

<i>Metrics</i>	<i>Value</i>
Sensitivity	0.92
Specificity	0.32

ROC Curve

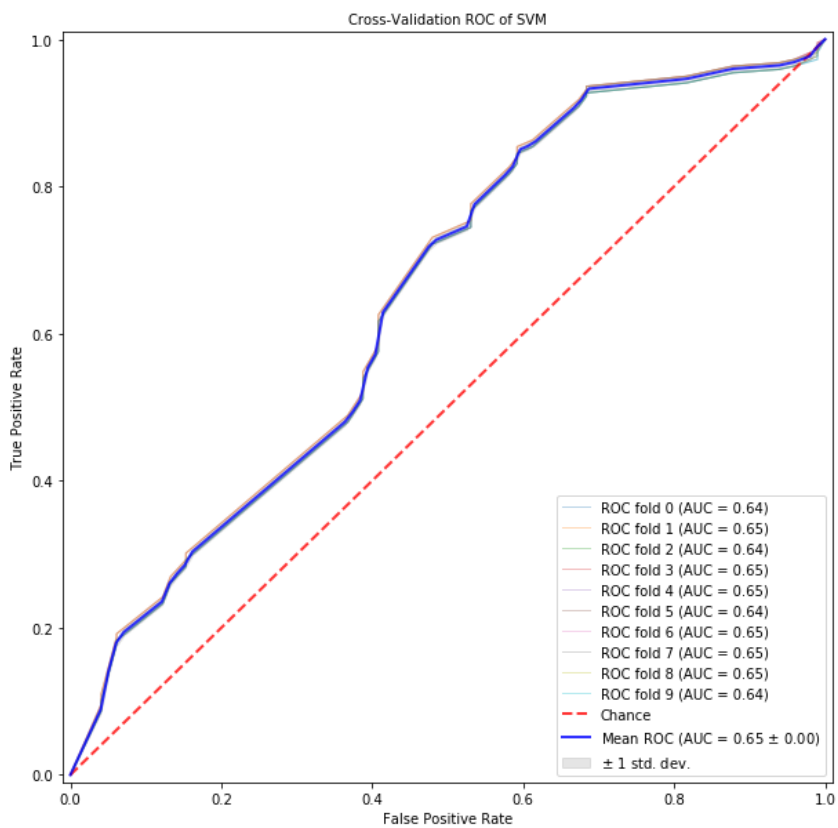


Area Under the Curve (AUC) = 0.62

Decision Tree with K-Cross Validation (K = 10)

<i>Metrics</i>	<i>Value</i>
Sensitivity	0.69
Specificity	0.68

ROC Curve



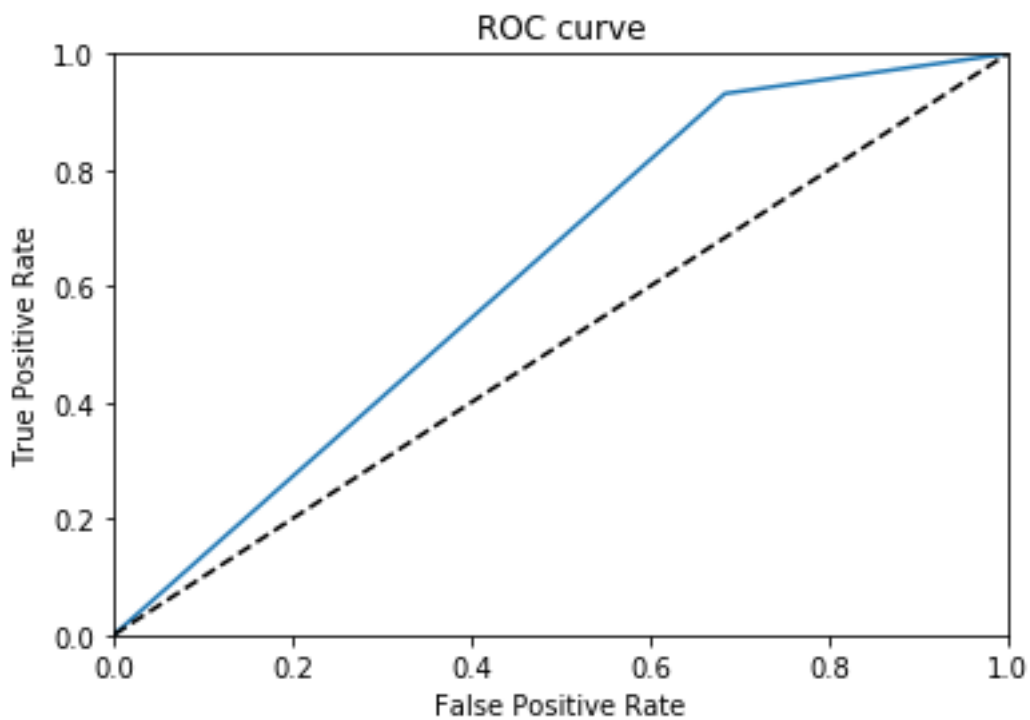
Area Under the Curve (AUC) = 0.65

Random Forest with no cross validation (only train-test splitting)

<i>Confusion Matrix</i>	NO ASD	ASD
NO ASD	31	67
ASD	15	204

<i>Metrics</i>	<i>Value</i>
Sensitivity	0.93
Specificity	0.32

ROC Curve

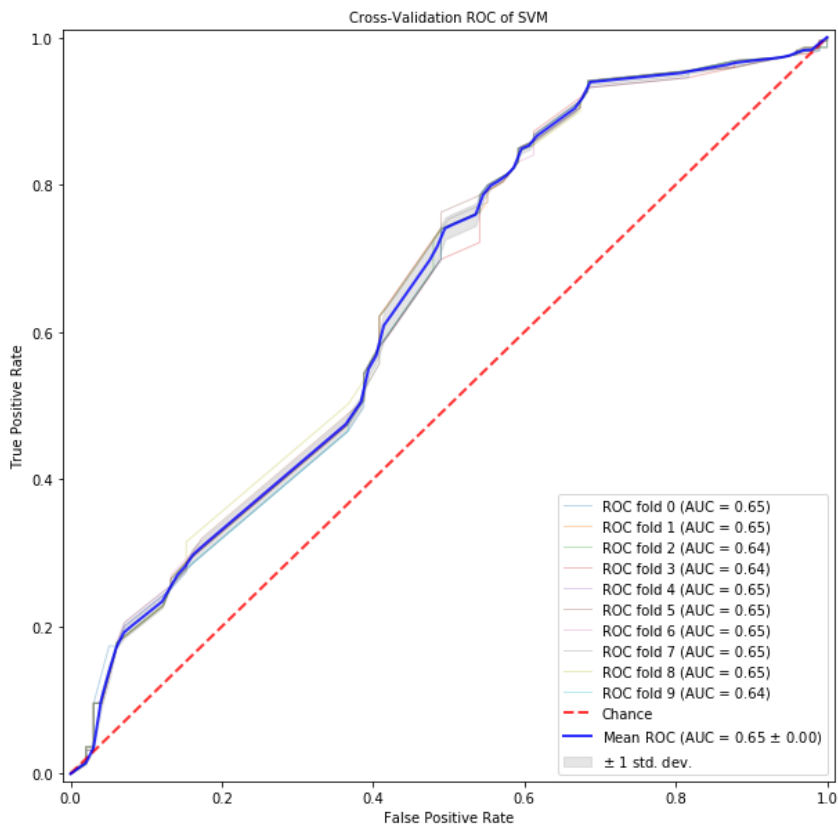


Area Under the Curve (AUC) = 0.62

Random Forest with K-Cross Validation (K = 10)

<i>Metrics</i>	<i>Value</i>
Sensitivity	0.69
Specificity	0.68

ROC Curve



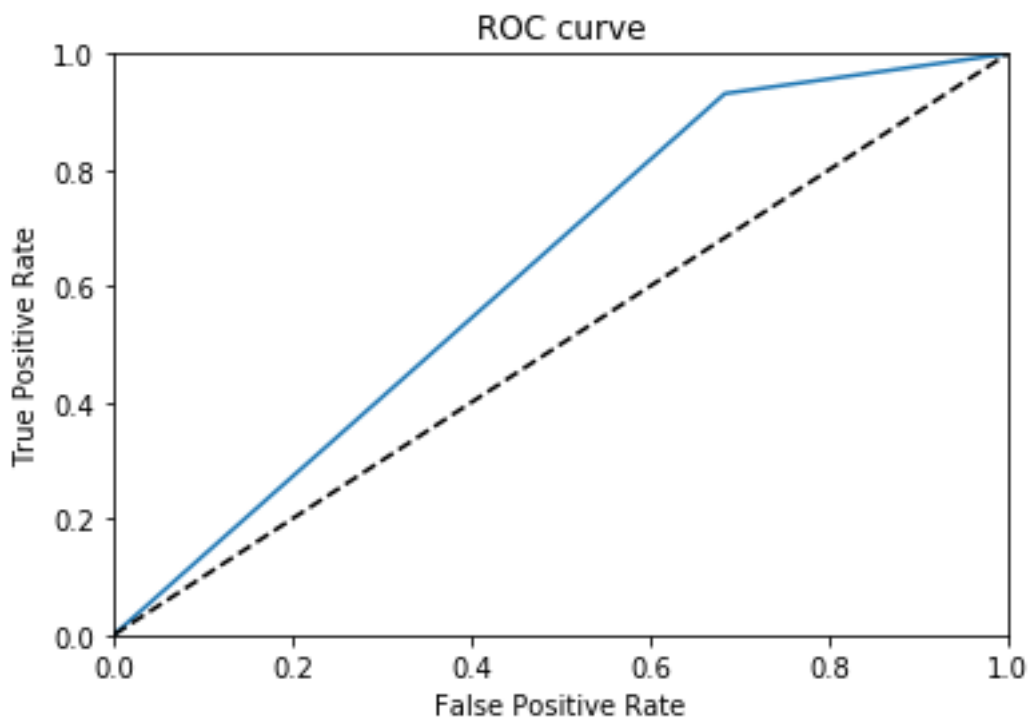
Area Under the Curve (AUC) = 0.62

Gaussian Naïve Bayes with no cross validation (only train-test splitting)

<i>Confusion Matrix</i>	NO ASD	ASD
NO ASD	31	67
ASD	15	204

<i>Metrics</i>	<i>Value</i>
Sensitivity	0.93
Specificity	0.32

ROC Curve

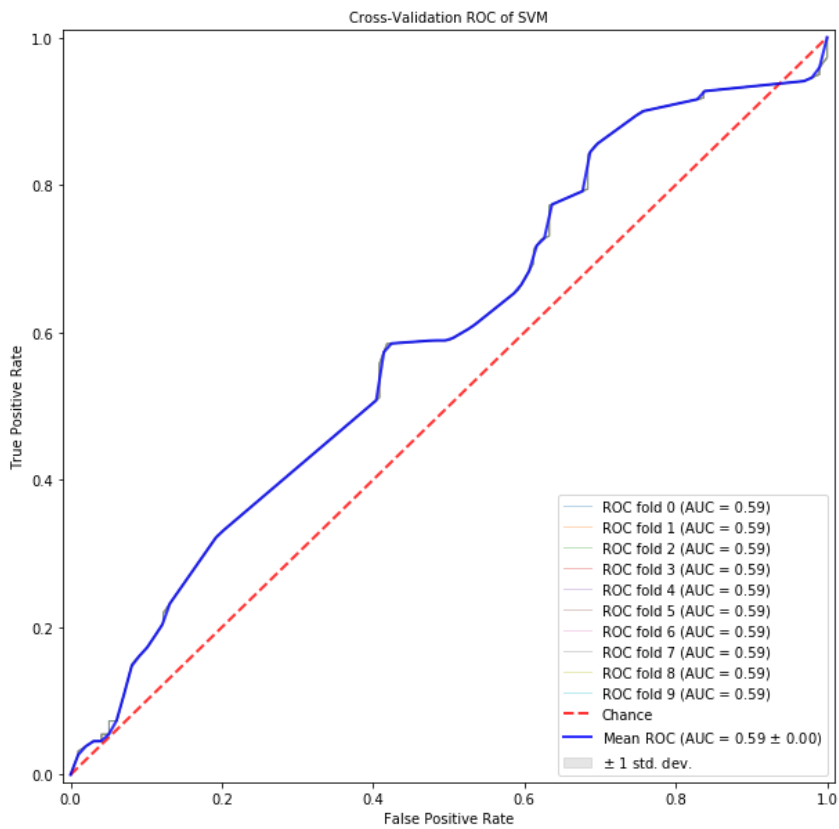


Area Under the Curve (AUC) = 0.62

Gaussian Naïve Bayes with K-Cross Validation (K = 10)

<i>Metrics</i>	<i>Value</i>
Sensitivity	0.34
Specificity	0.34

ROC Curve



Area Under the Curve (AUC) = 0.59