Autoencoder Output Summary

Accuracy score (TP+TN)/ALL : Percentage of test set tuples that are correctly classified
0.9531442013974228

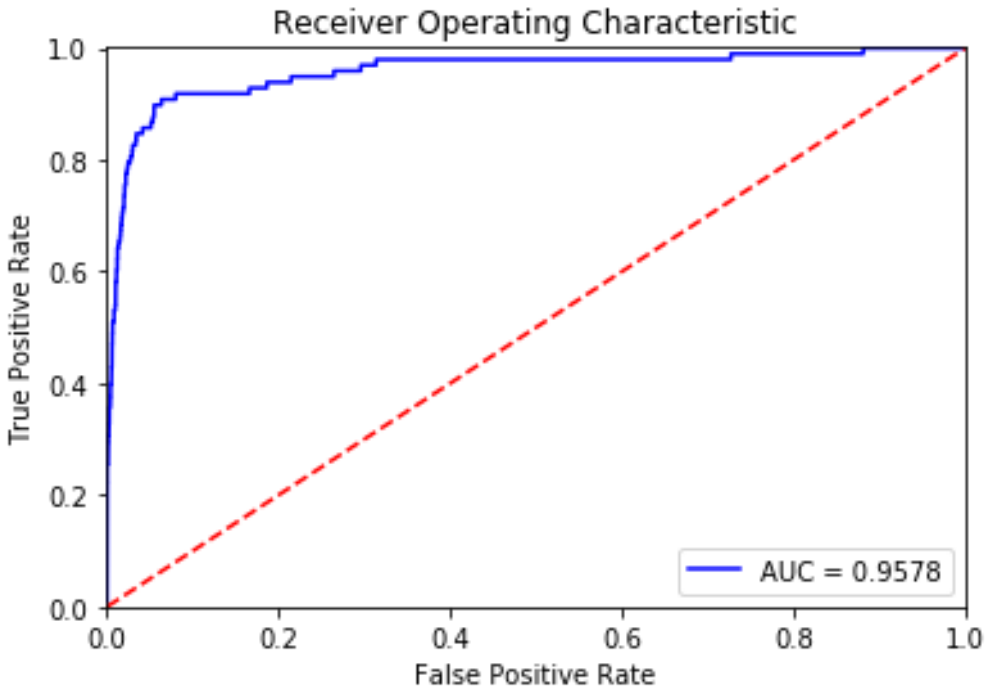
Precision score (TP/ (TP+FP)): what % of tuples that the classifier labeled as positive are positive
0.03135253372220197

Recall score/ sensitivity TP/(TP+FN): what % of positive tuples did the classifier labeled as positive
0.8775510204081632

F1 score: harmonic mean of precision and recall
0.06054206265399507

Notes:

This is a highly imbalanced data so this autoencoder classifier can obtain good recall but with very low precision. The false positive rate does not drop when the total real negatives are bigger, precision is highly sensitive to false positives and is not impacted by a large total real negative denominator.



Confusion Matrix on Binary Classification:

Actual class\Predicted class	C	¬ C
C	**True Positives (TP)**	**False Negatives (FN)**
¬ C	**False Positives (FP)**	**True Negatives (TN)**