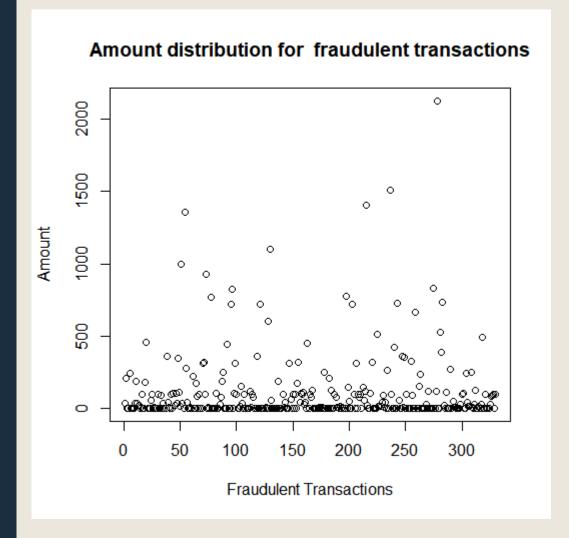
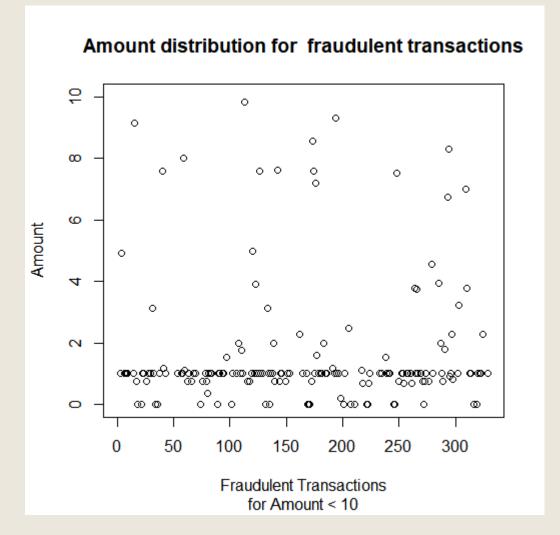
EXEBIT 2018

PRESENTATION BY "wannabes"

AMOUNT

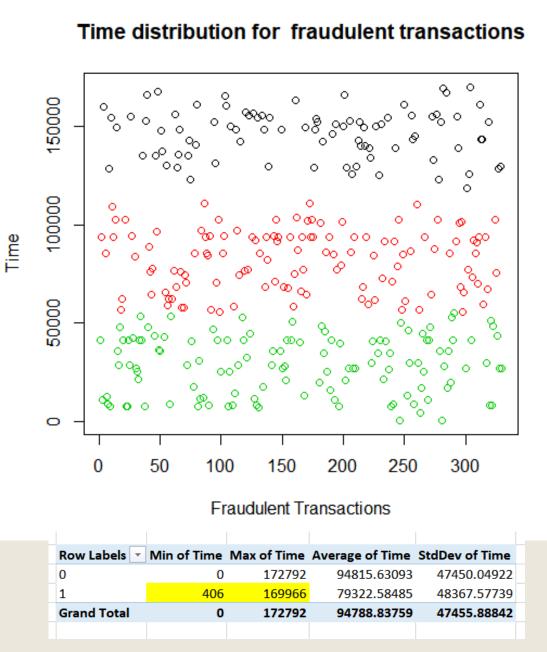
Row Labels 💌	Count of Amount	Max of Amount	Min of Amount	Average of Amount	StdDev of Amount
0	190490	12910.93	0	87.87246018	242.1304614
1	330	2125.87	0	112.7014545	247.8399153
Grand Total	190820	12910.93	0	87.91539891	242.1419845





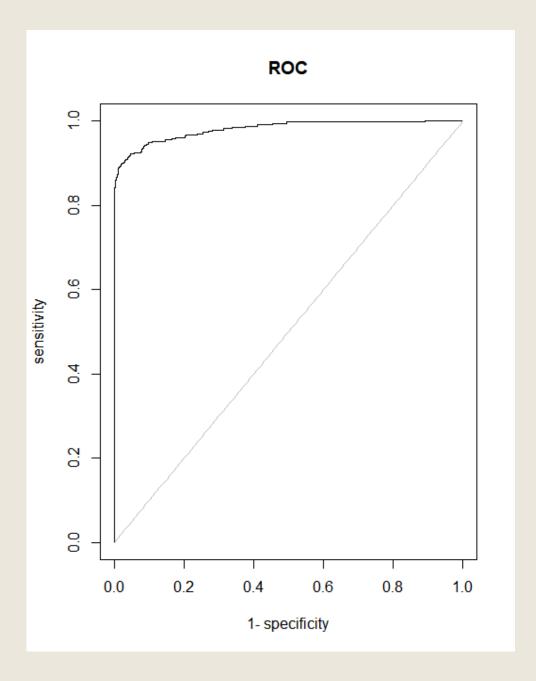
Adversarial ML - fraud transactions done to perturbate training data

TIME

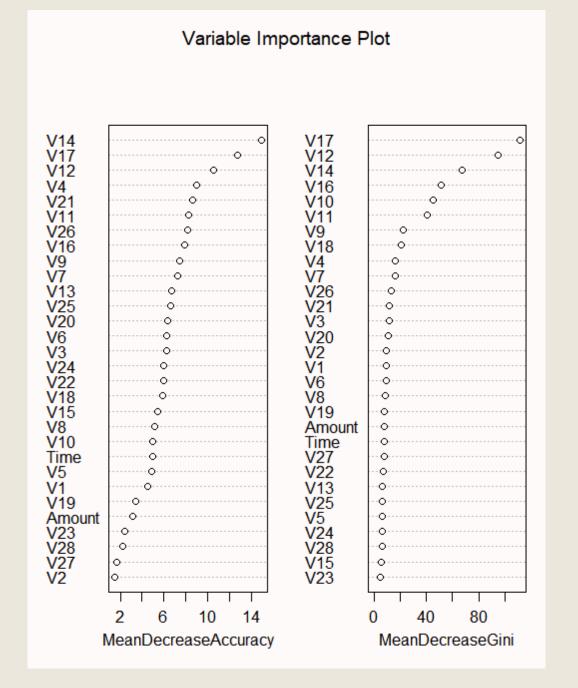


Fraud txs. avoid extreme times

LOGISTIC REGRESSION

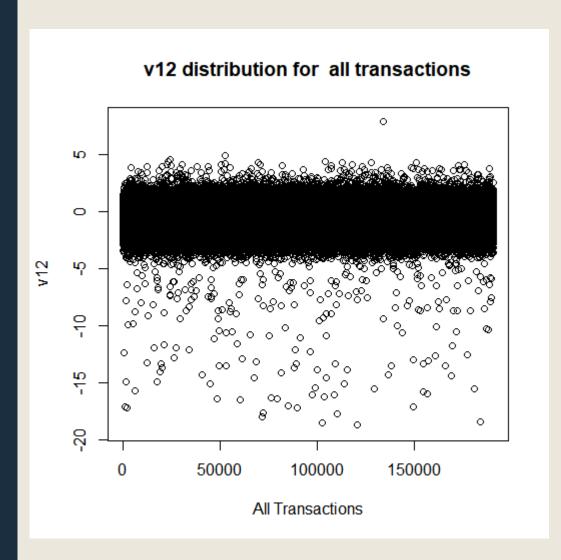


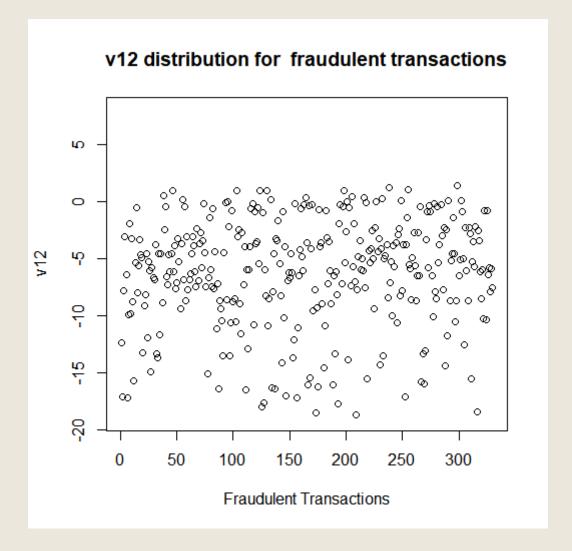
RANDOM FOREST



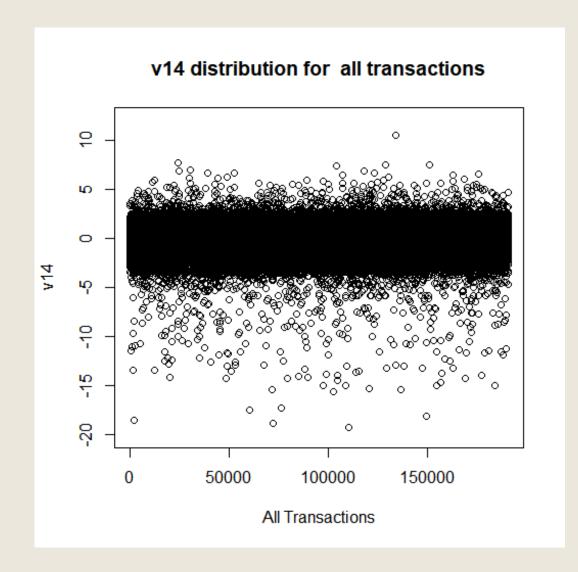
Three most important variables are V17, V14, V12

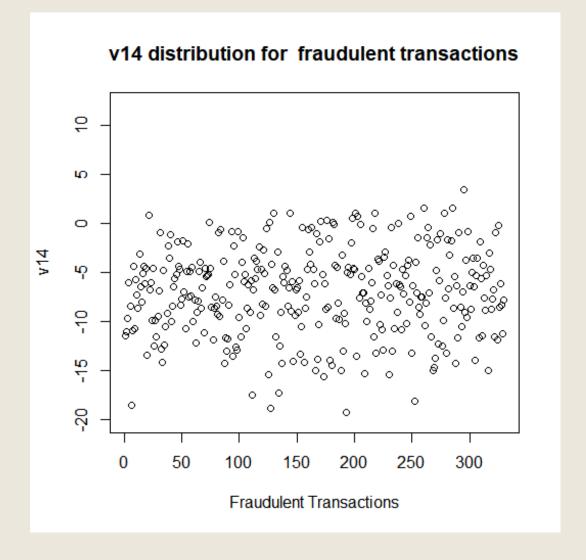
Variable 12



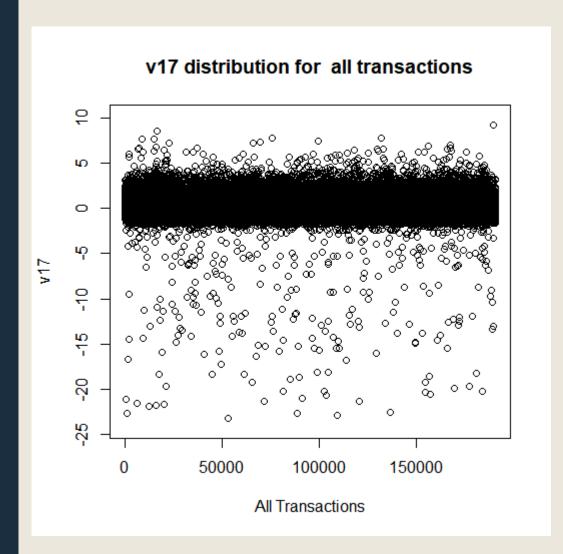


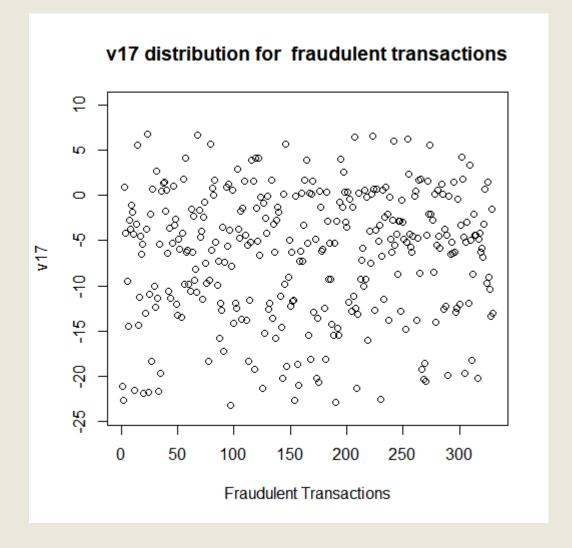
Variable 14





Variable 17





Thus outlier detection for v17, v12, v14 can be done for online predictions

THANK YOU!