

## Corrupt Columns : (21,37)

### First Run :

#### #NeuralNet

	precision	recall	f1-score	support
0	0.96	1.00	0.98	4056
1	0.33	0.01	0.01	161
avg / total	0.94	0.96	0.94	4217

#### #Gaussian Process

	precision	recall	f1-score	support
0	0.96	1.00	0.98	4056
1	0.00	0.00	0.00	161
avg / total	0.93	0.96	0.94	4217

#### #Decision Tree

	precision	recall	f1-score	support
0	0.98	1.00	0.99	4056
1	0.82	0.49	0.61	161
avg / total	0.97	0.98	0.97	4217

#### #Random Forest

	precision	recall	f1-score	support
0	0.96	1.00	0.98	4056
1	1.00	0.01	0.02	161
avg / total	0.96	0.96	0.94	4217

#### #Nearest Neighbors

	precision	recall	f1-score	support
0	0.96	0.99	0.98	4056
1	0.18	0.03	0.05	161
avg / total	0.93	0.96	0.94	4217

#### #AdaBoost

	precision	recall	f1-score	support
0	0.98	0.99	0.98	4056
1	0.70	0.40	0.51	161
avg / total	0.97	0.97	0.97	4217

#### #Naive Bayes

	precision	recall	f1-score	support
0	0.95	0.06	0.12	4056
1	0.04	0.91	0.07	161
avg / total	0.91	0.09	0.11	4217

#### #QDA

	precision	recall	f1-score	support
0	0.98	0.44	0.61	4056
1	0.05	0.73	0.09	161
avg / total	0.94	0.45	0.59	4217

#### #Linear SVM

	precision	recall	f1-score	support
0	0.96	1.00	0.98	4056
1	0.00	0.00	0.00	161
avg / total	0.93	0.96	0.94	4217

#### #RBF SVM

	precision	recall	f1-score	support
0	0.96	1.00	0.98	4056
1	0.00	0.00	0.00	161
avg / total	0.93	0.96	0.94	4217

#### Classifier Depth example :

	precision	recall	f1-score	support
0	0.98	0.99	0.99	3375
1	0.80	0.56	0.66	139

avg / total    0.97    0.98    0.98    3514

## pearson drop :

drop X1  
drop X3  
drop X5  
drop X6  
drop X7  
drop X8  
drop X9  
drop X10  
drop X11  
drop X12  
drop X13  
drop X14  
drop X16  
drop X17  
drop X18  
drop X19  
drop X20  
drop X22  
drop X23  
drop X24  
drop X25  
drop X26  
drop X27  
drop X28  
drop X29  
drop X30  
drop X31  
drop X35  
drop X36  
drop X38  
drop X39  
drop X41  
drop X42  
drop X43  
drop X44  
drop X47  
drop X48  
drop X53  
drop X54  
drop X55  
drop X57  
drop X58

drop X60  
drop X61  
drop X66  
drop X64

## Remaining Pearson Columns :

```
Index([u'X2', u'X4', u'X15', u'X32', u'X33', u'X34', u'X40', u'X45', u'X46',  
      u'X49', u'X50', u'X51', u'X52', u'X56', u'X59', u'X63', u'X65', u'ID'],  
      dtype='object')
```

## Pearson Screwed Us :

After pearson

	precision	recall	f1-score	support
0	0.96	1.00	0.98	4054
1	0.30	0.04	0.08	163
avg / total	0.94	0.96	0.94	4217

Before pearson

	precision	recall	f1-score	support
0	0.98	0.99	0.99	4068
1	0.71	0.47	0.56	149
avg / total	0.97	0.97	0.97	4217