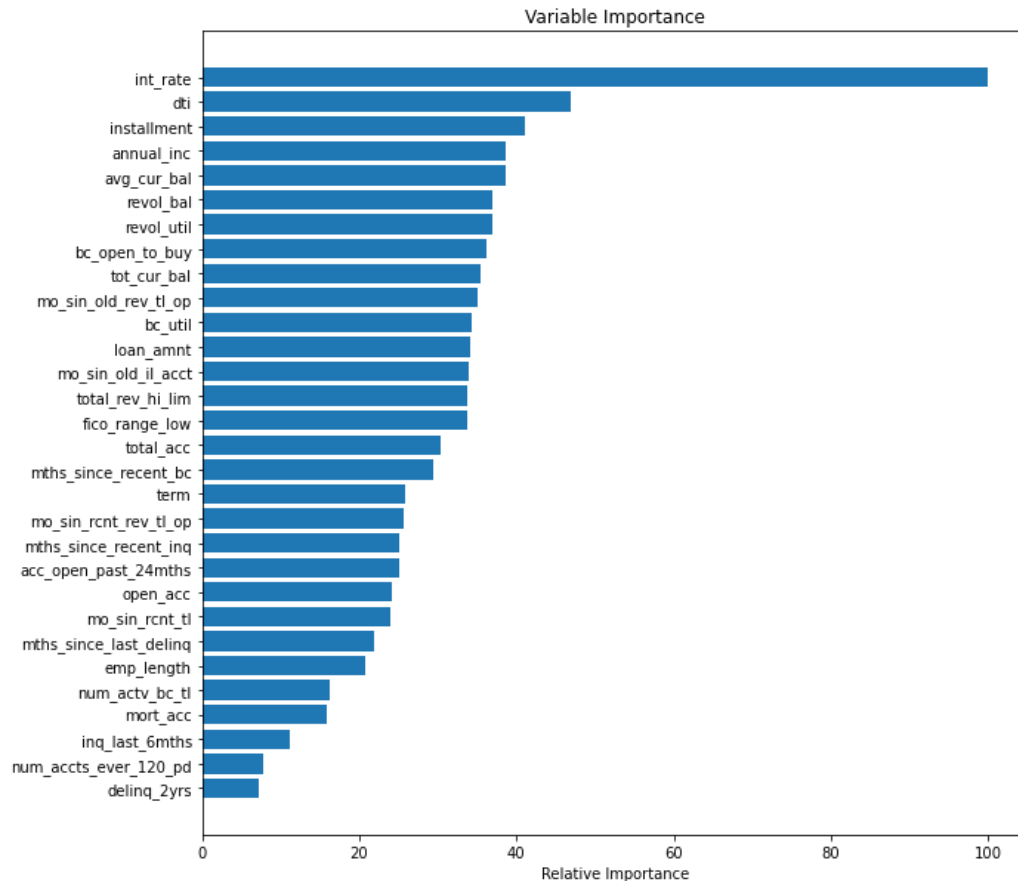


Model metrics

1. Model features:

Fifty two out of 151 features were used for all the models in this project.
The figure listed top 30 features contributed for the prediction.



2. Model metrics

Model	Class	Values			ROC AUC	PR AUC	LogLoss
		Precision	Recall	F1-Score			
RF	0	0.88	0.62	0.73	0.4411	0.3850	0.6276
	1	0.32	0.69	0.44			
LR	0	1	1	1	0.9991	0.9973	0.0380
	1	0.99	0.99	0.99			

3. Hyperparameter:

RF: RandomForest:

```
{'n_estimators': 600,  
 'max_features': 'sqrt',  
 'max_depth': 50,  
 'min_samples_split': 10,  
 'min_samples_leaf': 1}
```

LR: LogisticRegression:

```
'C': 1.0,  
'penalty': 'l1',  
'solver': 'liblinear'
```