

Appendix - Graph

Exhibit-1

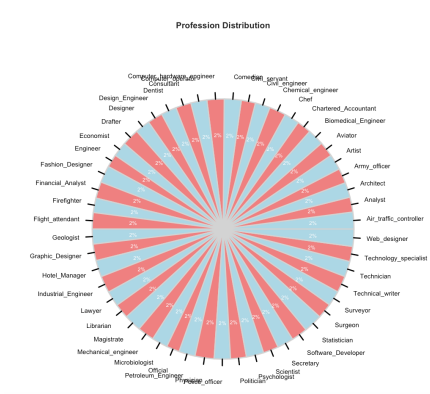


Exhibit-2A

```
> summary(pca.x)
```

Importance of components:

	PC1	PC2	PC3	PC4	PC5
Standard deviation	1.3085	1.0028	0.9987	0.9859	0.55922
Proportion of Variance	0.3424	0.2011	0.1995	0.1944	0.06255
Cumulative Proportion	0.3424	0.5435	0.7430	0.9375	1.00000

Exhibit-2B

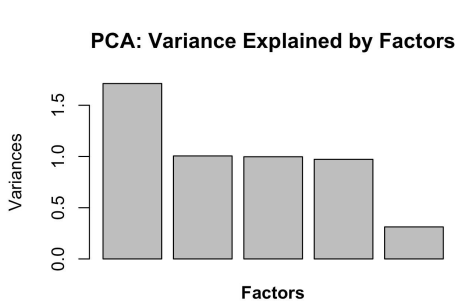


Exhibit-3

Standard deviations (1, .., p=5):

```
[1] 1.3085195 1.0027673 0.9987122 0.9859409 0.5592218
```

Rotation (n x k) = (5 x 5):

	PC1	PC2	PC3	PC4	PC5
Income	-0.001531146	0.64104461	-0.747683049	0.17328224	-0.001669008
Age	0.189600555	0.29275978	0.033961598	-0.93530102	-0.049009707
Experience	0.697418373	-0.03185462	-0.008560035	0.09390701	0.709719025
CURRENT_JOB_YRS	0.691034820	-0.05831022	-0.013180890	0.15817826	-0.702763614
CURRENT_HOUSE_YRS	0.011303807	0.70635594	0.663000497	0.24768200	-0.004179894

Exhibit-4

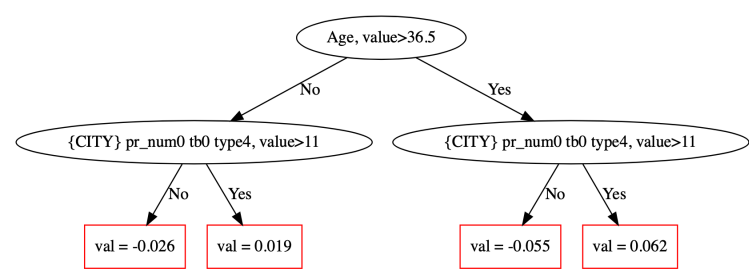


Exhibit-5

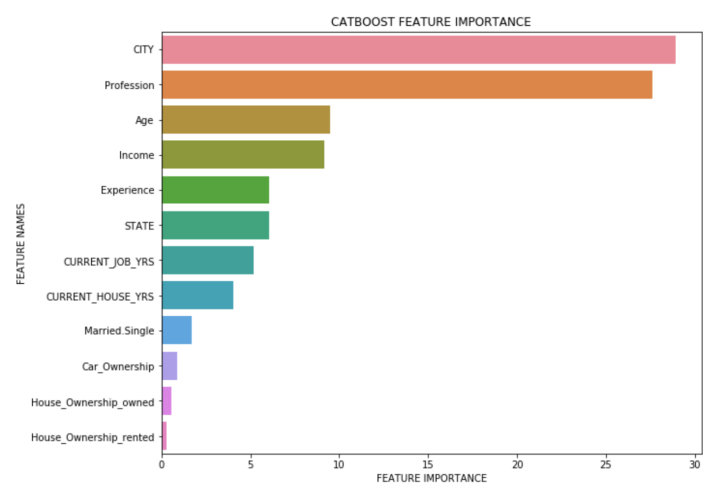


Exhibit-6: Decision tree confusion matrix

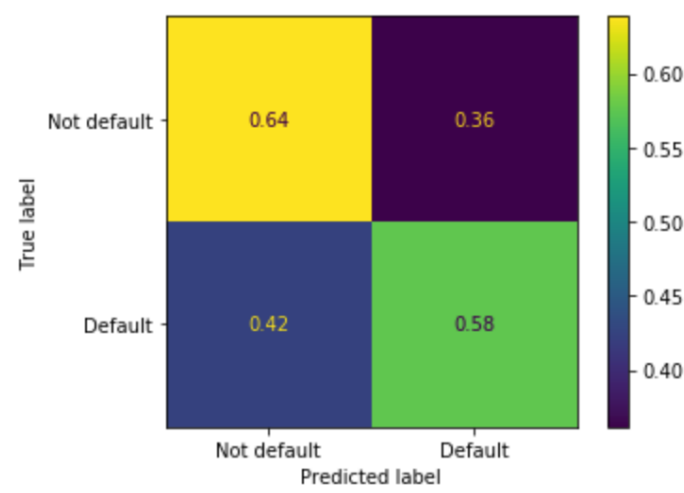


Exhibit-7: Decision tree ROC curve

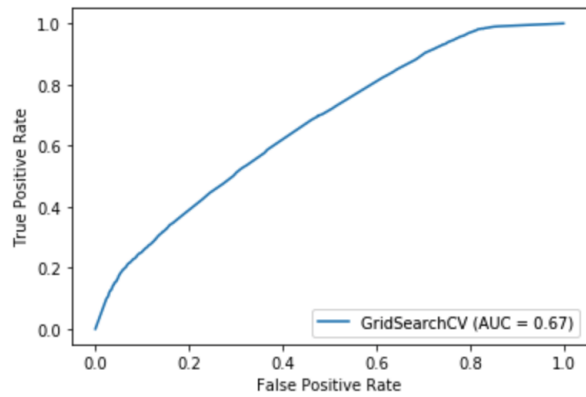


Exhibit-8: KNN confusion matrix

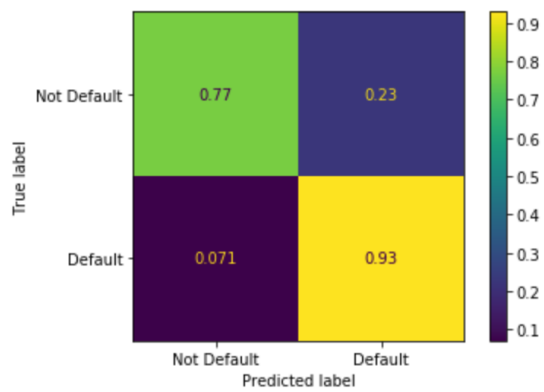


Exhibit-9: KNN ROC Curve

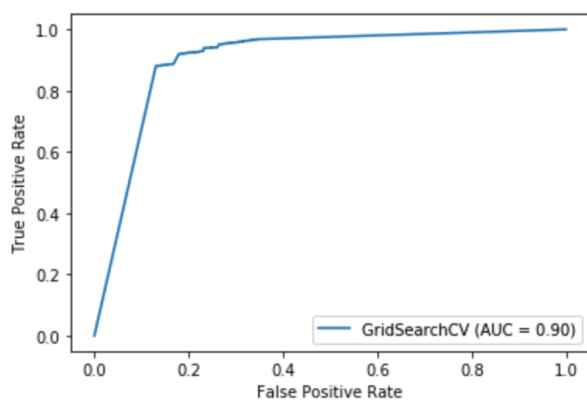


Exhibit-10: CATBoost confusion matrix

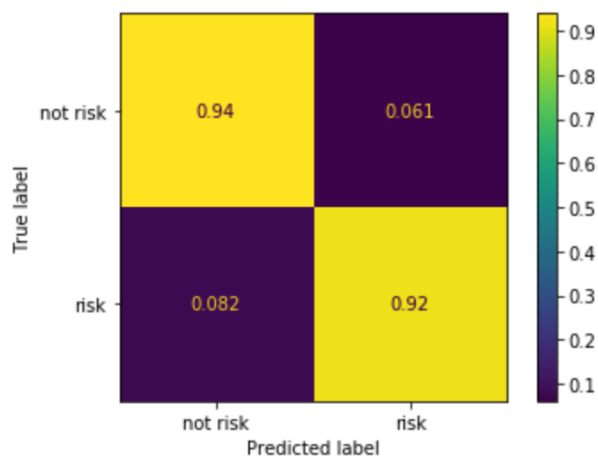


Exhibit-11: CATBoost ROC Curve

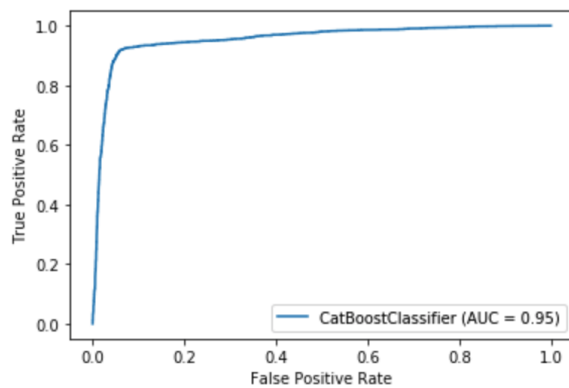


Exhibit-12: Model Evaluation

