

| Model | Sample1 | Sample 2 | Sample3 | Sample4 | Sample5 | |
|---------------|---------|----------|---------|---------|---------|--|
| KNN | 0.9028 | 0.85 | 0.9467 | 0.6571 | 0.9943 | |
| Logistic | 0.8541 | 0.95 | 0.9184 | 0.8095 | 0.9943 | |
| Naïve Bayes | 0.7728 | 0.95 | 0.6403 | 0.6524 | 0.9857 | |
| Random Forest | 0.9925 | 0.95 | 0.9943 | 0.9714 | 0.9943 | |
| Decision Tree | 0.9590 | 0.85 | 0.9774 | 0.8976 | 0.9886 | |

The unbalanced dataset was balanced by using imblearn tomler links.

Sample 1 represents Simple Random Sampling with sample size of 385 selected with a confidence of 95% and an error margin of 5%

Sample 2 represents Systematic Random Sampling with an interval of 3

Sample 3 represents Cluster Sampling with dataset divided into 5 clusters

Sample 4 represents Stratified Sampling with strata size of 100

Sample 5 represents Convenience Sampling