

This is result of sampling and applying models on the given Dataset

Below is provide with table with accuracies of different sampling techniques on different models.

Models	Random	Stratified	Cluster	Systematic	Smote
M1(RandomForestClassifier)	0.99	0.99	0.98	0.99	0.99
M2(SVC)	0.75	0.64	0.73	0.70	0.76
M3(KNeighborsClassifier)	0.90	0.86	0.90	0.88	0.93
M4(LogisticRegression)	0.92	0.90	0.89	0.90	0.93
M5(DecisionTreeClassifier)	0.97	0.93	0.95	0.98	0.98

Conclusion:

- Every sampling gives maximum accuracy with Random Forest Classifier Model
- Also these samples perform well on models like KNeighborsClassifier, LogisticRegression, DecisionTreeClassifier.
- With SVC samples are generally giving minimum accuracy.