**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.