Cell ×





<u> 7.</u>

 $\mbox{\tt\#}$ Checking the df_result dataframe which contains consolidated results of all the runs df_Results

	Methodology	Model	Accuracy	roc_value	threshold
0	RepeatedKFold Cross Validation	Logistic Regression with L2 Regularisation	0.998964	0.969011	0.001423
1	RepeatedKFold Cross Validation	Logistic Regression with L1 Regularisation	0.998929	0.869289	0.047230
2	RepeatedKFold Cross Validation	KNN	0.999263	0.864827	0.200000
3	RepeatedKFold Cross Validation	Tree Model with gini criteria	0.999245	0.874842	1.000000
4	RepeatedKFold Cross Validation	Tree Model with entropy criteria	0.999087	0.874763	1.000000
5	RepeatedKFold Cross Validation	Random Forest	0.999491	0.932816	0.010000
6	RepeatedKFold Cross Validation	XGBoost	0.999438	0.970107	0.001447
7	RepeatedKFold Cross Validation	SVM	0.998086	0.421606	0.002741
8	StratifiedKFold Cross Validation	Logistic Regression with L2 Regularisation	0.998771	0.983329	0.001572
9	StratifiedKFold Cross Validation	Logistic Regression with L1 Regularisation	0.998754	0.889076	0.021087
10	StratifiedKFold Cross Validation	KNN	0.999192	0.805746	0.200000
11	StratifiedKFold Cross Validation	Tree Model with gini criteria	0.998841	0.826249	1.000000
12	StratifiedKFold Cross Validation	Tree Model with entropy criteria	0.999017	0.821244	1.000000
13	StratifiedKFold Cross Validation	Random Forest	0.999438	0.946472	0.010000
14	StratifiedKFold Cross Validation	XGBoost	0.999386	0.978148	0.002443
15	StratifiedKFold Cross Validation	SVM	0.998280	0.598230	0.001694
16	Random Oversampling with StratifiedKFold CV	Logistic Regression with L2 Regularisation	0.985990	0.980763	0.434510
17	Random Oversampling with StratifiedKFold CV	Logistic Regression with L1 Regularisation	0.998280	0.500000	1.500000
18	Random Oversampling with StratifiedKFold CV	KNN	0.998069	0.805604	0.200000
19	Random Oversampling with StratifiedKFold CV	Tree Model with gini criteria	0.998947	0.816115	1.000000
20	Random Oversampling with StratifiedKFold CV	Tree Model with entropy criteria	0.999263	0.846833	1.000000
21	Random Oversampling with StratifiedKFold CV	Random Forest	0.999491	0.951102	0.010000
22	Random Oversampling with StratifiedKFold CV	XGBoost	0.996296	0.982080	0.210933
23	SMOTE Oversampling with StratifiedKFold CV	Logistic Regression with L2 Regularisation	0.983533	0.974582	0.394077
24	SMOTE Oversampling with StratifiedKFold CV	Logistic Regression with L1 Regularisation	0.998280	0.500000	1.500000
25	SMOTE Oversampling with StratifiedKFold CV	KNN	0.994681	0.860267	0.600000
26	SMOTE Oversampling with StratifiedKFold CV	Tree Model with gini criteria	0.997753	0.851170	1.000000
27	SMOTE Oversampling with	Tree Model with entropy	0.996980	0.855877	1.000000