

Without any Resampling

	LogR	RandF	DTs	KNN	XGB
Precision	0.716365	0.605636	0.575108	0.750186	0.717305
Recall	0.543354	0.540273	0.583992	0.517122	0.546982
F1	0.556943	0.550171	0.579060	0.511173	0.562569
Accuracy	0.910182	0.896361	0.853374	0.910646	0.910270
Train_Score	0.910337	0.968864	0.997386	0.910881	0.917860
Test_Score	0.910182	0.896361	0.853374	0.910646	0.910270

With Random Over-Sampling

	LogR	RandF	DTs	KNN	XGB
Precision	0.593474	0.595988	0.571763	0.588717	0.596287
Recall	0.745168	0.564393	0.573449	0.742219	0.748947
F1	0.585943	0.574964	0.572586	0.571766	0.592010
Accuracy	0.732644	0.882838	0.857837	0.710747	0.740521
Train_Score	0.748170	0.996950	0.998563	0.771705	0.795300
Test_Score	0.732644	0.882838	0.857837	0.710747	0.740521

With Random Under-Sampling

	LogR	RandF	DTs	KNN	XGB
Precision	0.593044	0.580346	0.558382	0.589058	0.593204
Recall	0.745338	0.689057	0.664127	0.742685	0.751725
F1	0.584457	0.581649	0.524229	0.572649	0.580088
Accuracy	0.730147	0.757093	0.666755	0.711996	0.719928
Train_Score	0.752817	0.940366	0.998638	0.754991	0.807708
Test_Score	0.730147	0.757093	0.666755	0.711996	0.719928

With SMOTE Over-Sampling

	LogR	RandF	DTs	KNN	XGB
Precision	0.592619	0.589083	0.563915	0.585385	0.633524
Recall	0.744725	0.573885	0.584339	0.740714	0.590272
F1	0.583525	0.580233	0.571047	0.559024	0.605565
Accuracy	0.728932	0.873658	0.835974	0.689977	0.890947
Train_Score	0.752392	0.981295	0.998558	0.782103	0.926670
Test_Score	0.728932	0.873658	0.835974	0.689977	0.890947

With TOMEK Under-Sampling

	LogR	RandF	DTs	KNN	XGB
Precision	0.704391	0.613852	0.579601	0.721279	0.700708
Recall	0.559891	0.558233	0.597564	0.531306	0.566581
F1	0.580856	0.572102	0.586801	0.537172	0.589539
Accuracy	0.909110	0.892770	0.848612	0.910303	0.908558
Train_Score	0.909189	0.971066	0.997291	0.909537	0.917944
Test_Score	0.909110	0.892770	0.848612	0.910303	0.908558

With SMOTETOMEK Combination

	LogR	RandF	DTs	KNN	XGB
Precision	0.592444	0.592686	0.567409	0.585185	0.634251
Recall	0.744858	0.578093	0.588965	0.740319	0.597743
F1	0.582854	0.584302	0.575015	0.558552	0.611620
Accuracy	0.727772	0.874000	0.837476	0.689359	0.889412
Train_Score	0.760334	0.985134	0.998518	0.789122	0.933338
Test_Score	0.727772	0.874000	0.837476	0.689359	0.889412