Average Performance Across 29 Datasets
(Higher is Better)

DecisionTree

Method	AUROC	G-mean	F1-score	MCC
Original	0.7264	0.4975	0.4003	0.3838
ROS	0.7418	0.6421	0.3944	0.3728
SMOTE	0.7568	0.6663	0.3970	0.3772
bSMOTE	0.7439	0.6370	0.4125	0.3881
ADASYN	0.7599	0.6672	0.3905	0.3706
MWMOTE	0.7517	0.6386	0.3961	0.3734
CTGAN	0.7528	0.5004	0.3974	0.3825
GAMO	0.7558	0.5122	0.3674	0.3522
MGVAE	0.7451	0.5007	0.4058	0.3903
MMD-only	0.7784	0.5566	0.4033	0.3913
MMD+Triplet	0.7824	0.5646	0.4083	0.3949

RandomForest

Method	AUROC	G-mean	F1-score	MCC
Original	0.8847	0.3948	0.3504	0.3525
ROS	0.8839	0.4670	0.3931	0.3882
SMOTE	0.8853	0.5369	0.4302	0.4110
bSMOTE	0.8850	0.5255	0.4317	0.4159
ADASYN	0.8836	0.5392	0.4282	0.4081
MWMOTE	0.8796	0.5044	0.4092	0.3916
CTGAN	0.8859	0.4828	0.4088	0.4027
GAMO	0.8739	0.4815	0.3840	0.3800
MGVAE	0.8851	0.3998	0.3553	0.3563
MMD-only	0.8916	0.5326	0.4354	0.4286
MMD+Triplet	0.8923	0.5315	0.4413	0.4337

kNN

Method	AUROC	G-mean	F1-score	MCC
Original	0.7699	0.3778	0.3238	0.3253
ROS	0.7678	0.6235	0.3996	0.3723
SMOTE	0.8072	0.7086	0.3935	0.3788
bSMOTE	0.7982	0.6836	0.4133	0.3928
ADASYN	0.8063	0.7072	0.3870	0.3724
MWMOTE	0.7936	0.6629	0.3885	0.3690
CTGAN	0.7825	0.4753	0.3576	0.3509
GAMO	0.7694	0.4554	0.3180	0.3042
MGVAE	0.7801	0.4711	0.3816	0.3719
MMD-only	0.8080	0.6647	0.3901	0.3747
MMD+Triplet	0.8054	0.6599	0.3905	0.3742

MLP

Method	AUROC	G-mean	F1-score	MCC
Original	0.5997	0.1837	0.1540	0.1389
ROS	0.8551	0.7167	0.3841	0.3745
SMOTE	0.8491	0.7074	0.3851	0.3739
bSMOTE	0.8443	0.6875	0.3934	0.3772
ADASYN	0.8494	0.7095	0.3782	0.3678
MWMOTE	0.8335	0.6758	0.3739	0.3579
CTGAN	0.8031	0.5219	0.3298	0.3143
GAMO	0.7777	0.5147	0.3022	0.2774
MGVAE	0.8206	0.5630	0.3686	0.3496
MMD-only	0.8522	0.6982	0.3791	0.3697
MMD+Triplet	0.8538	0.7009	0.3797	0.3704