Accuracy

	Bag	SMOTE	ADASYN	NCR	SMOTEENN	SMOTETomek
seeds	0.9	**0.9**	0.86	0.89	**0.9**	**0.9**
new_thyroid	0.97	0.96	**0.97**	**0.97**	0.96	0.96
vehicle	0.93	0.89	0.9	**0.91**	**0.91**	0.9
ionosphere	0.9	0.89	0.88	**0.9**	**0.9**	**0.9**
vertebal	0.73	**0.76**	**0.76**	**0.76**	0.73	**0.76**
yeastME3	0.95	0.94	0.9	**0.95**	0.94	0.94
ecoli	0.89	0.88	0.8	0.78	**0.89**	**0.89**
bupa	0.71	**0.72**	0.69	0.59	0.68	0.7
horse_colic	0.85	**0.86**	**0.86**	0.79	0.84	0.85
german	0.75	0.7	0.71	0.69	0.7	**0.72**
breast_cancer	0.71	**0.71**	**0.71**	0.61	**0.71**	**0.71**
cmc	0.78	0.69	0.71	**0.76**	0.72	0.69
hepatitis	0.74	0.69	0.67	0.74	**0.75**	0.68
haberman	0.76	0.7	0.7	**0.72**	0.71	**0.72**
transfusion	0.78	0.62	0.61	0.65	**0.76**	0.66
car	0.69	0.89	0.89	0.69	**0.9**	**0.9**
glass	0.9	0.62	0.58	**0.88**	0.61	0.61
abalone16_29	0.94	0.75	0.73	**0.94**	0.77	0.75
solar_flare	0.95	0.87	0.82	**0.94**	0.88	0.87
heart_cleveland	0.87	0.78	0.8	**0.85**	0.79	0.79
balance_scale	0.92	**0.92**	0.75	**0.92**	**0.92**	**0.92**
postoperative	0.71	0.63	0.66	0.52	**0.72**	0.63

Sensitivity

	Bag	SMOTE	ADASYN	NCR	SMOTEENN	SMOTETomek
seeds	0.92	0.92	0.83	0.87	**0.94**	0.93
new_thyroid	0.98	**0.99**	0.98	0.98	**0.99**	**0.99**
vehicle	0.94	0.88	0.9	0.89	**0.93**	0.89
ionosphere	0.96	0.94	0.91	0.94	**0.98**	0.94
vertebal	0.72	0.71	0.69	0.68	**0.72**	0.71
yeastME3	0.97	0.94	0.89	**0.96**	0.94	0.94
ecoli	0.93	0.89	0.78	0.79	**0.9**	**0.9**
bupa	0.9	0.81	0.74	0.42	**0.94**	0.86
horse_colic	0.93	0.91	0.91	0.75	**0.95**	0.9
german	0.93	0.75	0.95	0.65	**1.0**	0.88
breast_cancer	0.9	0.83	0.84	0.59	**0.92**	0.86
cmc	0.92	0.76	0.76	**0.86**	0.85	0.76
hepatitis	0.79	0.68	0.69	0.77	**0.78**	0.68
haberman	0.93	0.84	0.78	0.81	**0.96**	0.89
transfusion	0.91	0.61	0.61	0.68	**1.0**	0.69
car	0.71	0.9	0.89	0.71	**0.91**	**0.91**
glass	0.98	0.62	0.59	**0.96**	0.61	0.62
abalone16_29	1.0	0.75	0.72	**0.99**	0.77	0.75
solar_flare	0.99	0.88	0.82	**0.98**	0.88	0.88
heart_cleveland	0.98	0.83	0.85	**0.94**	0.84	0.84
balance_scale	1.0	**1.0**	0.8	**1.0**	**1.0**	**1.0**
postoperative	0.95	0.83	0.87	0.64	**0.96**	0.83

Specificity

	Bag	SMOTE	ADASYN	NCR	SMOTEENN	SMOTETomek
seeds	0.87	0.85	**0.93**	**0.93**	0.83	0.84
new_thyroid	0.87	0.82	0.87	**0.94**	0.78	0.81
vehicle	0.89	0.91	0.9	**0.98**	0.83	0.9
ionosphere	0.8	0.81	**0.83**	0.82	0.75	0.82
vertebal	0.74	0.86	0.9	**0.93**	0.74	0.86
yeastME3	0.77	0.91	**0.96**	0.85	0.9	0.9
ecoli	0.54	0.81	**0.94**	0.67	0.8	0.81
bupa	0.45	0.59	0.63	**0.82**	0.3	0.48
horse_colic	0.73	0.77	0.76	**0.85**	0.65	0.76
german	0.32	0.59	0.17	**0.77**	0.01	0.32
breast_cancer	0.28	0.42	0.42	**0.64**	0.23	0.37
cmc	0.29	0.46	**0.54**	0.43	0.28	0.47
hepatitis	0.53	**0.7**	0.58	0.63	0.61	0.68
haberman	0.28	0.31	0.48	**0.5**	0.02	0.23
transfusion	0.35	**0.64**	0.59	0.56	0.0	0.54
car	0.32	0.7	**0.89**	0.32	0.69	0.67
glass	0.0	**0.53**	0.44	0.01	**0.53**	0.52
abalone16_29	0.09	0.78	**0.81**	0.13	0.75	0.77
solar_flare	0.09	0.72	**0.84**	0.16	0.72	0.72
heart_cleveland	0.03	0.41	**0.44**	0.14	0.38	0.38
balance_scale	0.0	0.0	**0.18**	0.0	0.0	0.0
postoperative	0.04	0.08	0.07	**0.2**	0.06	0.08

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	Bag	SMOTE	ADASYN	NCR	SMOTEENN	SMOTETomek
seeds	0.86	**0.85**	0.82	**0.85**	**0.85**	**0.85**
new_thyroid	0.88	0.86	0.88	**0.91**	0.83	0.86
vehicle	0.86	0.8	0.81	**0.84**	0.81	0.8
ionosphere	0.86	**0.85**	0.84	**0.85**	0.84	**0.85**
vertebal	0.64	0.7	**0.71**	**0.71**	0.64	0.7
yeastME3	0.77	0.76	0.68	**0.79**	0.76	0.76
ecoli	0.5	0.59	0.49	0.39	0.6	**0.61**
bupa	0.56	**0.64**	0.63	0.62	0.44	0.57
horse_colic	0.79	**0.8**	**0.8**	0.75	0.74	0.79
german	0.43	0.54	0.26	**0.6**	0.02	0.4
breast_cancer	0.37	0.46	0.46	**0.49**	0.33	0.43
cmc	0.37	0.41	**0.46**	0.44	0.32	0.41
hepatitis	0.45	0.48	0.42	**0.5**	**0.5**	0.47
haberman	0.38	0.36	0.46	**0.49**	0.03	0.3
transfusion	0.43	**0.44**	0.42	**0.44**	0.0	0.43
car	0.07	0.33	**0.38**	0.07	0.34	0.34
glass	0.0	**0.18**	0.14	0.01	**0.18**	**0.18**
abalone16_29	0.16	0.28	0.27	0.21	**0.29**	0.28
solar_flare	0.14	0.31	0.27	0.19	**0.32**	0.31
heart_cleveland	0.05	0.3	**0.34**	0.17	0.29	0.29
balance_scale	0.0	0.0	**0.1**	0.0	0.0	0.0
postoperative	0.07	0.11	0.09	**0.18**	0.1	0.11

G-mean

	Bag	SMOTE	ADASYN	NCR	SMOTEENN	SMOTETomek
seeds	0.9	0.88	0.88	**0.9**	0.88	0.88
new_thyroid	0.92	0.9	0.92	**0.96**	0.87	0.89
vehicle	0.92	0.9	0.9	**0.93**	0.88	0.9
ionosphere	0.88	0.87	0.87	**0.88**	0.85	**0.88**
vertebal	0.73	0.78	**0.79**	**0.79**	0.73	0.78
yeastME3	0.87	0.92	**0.93**	0.9	0.92	0.92
ecoli	0.71	0.85	**0.86**	0.73	0.85	0.85
bupa	0.63	**0.69**	0.68	0.59	0.54	0.64
horse_colic	0.82	**0.83**	**0.83**	0.8	0.78	**0.83**
german	0.54	0.66	0.4	**0.71**	0.07	0.53
breast_cancer	0.5	0.59	0.59	**0.62**	0.46	0.56
cmc	0.52	0.59	**0.64**	0.6	0.49	0.59
hepatitis	0.65	0.69	0.64	**0.7**	0.69	0.68
haberman	0.51	0.51	0.61	**0.63**	0.12	0.45
transfusion	0.57	**0.62**	0.6	**0.62**	0.0	0.61
car	0.48	0.8	**0.89**	0.48	0.79	0.78
glass	0.0	**0.57**	0.51	0.03	**0.57**	**0.57**
abalone16_29	0.3	0.76	**0.77**	0.36	0.76	0.76
solar_flare	0.3	0.8	**0.83**	0.39	0.8	0.8
heart_cleveland	0.17	0.59	**0.61**	0.36	0.57	0.56
balance_scale	0.0	0.0	**0.38**	0.0	0.0	0.0
postoperative	0.2	0.26	0.24	**0.35**	0.23	0.26