JFOTS – SMOTE 1 POP 200 CV 1x2

No Author Given

No Institute Given

1 Results

Table 1. CART – BAC (SMOTE1 POP200)

Dataset name	SMOTE	polynom-fit-SMOTE	Lee	SMOBD	G-SMOTE	LVQ-SMOTE	Assembled-SMOTE	SMOTE-TomekLinks	JFOTS_pr	JFOTS_rc	JFOTS_prom
ecoli-0-1-3-7_vs_2-6	0.000 ± 0.000	0.000 ± 0.000	0.000 ± 0.000	0.000 ± 0.000	0.000 ± 0.000	0.000 ± 0.000	0.000 ± 0.000	0.000 ± 0.000	0.000 ± 0.000	0.000 ± 0.000	0.000 ± 0.000
glass2	0.000 ± 0.000	0.000 ± 0.000	0.000 ± 0.000	0.000 ± 0.000	0.000 ± 0.000	0.000 ± 0.000	0.000 ± 0.000	0.000 ± 0.000	0.000 ± 0.000	0.000 ± 0.000	0.000 ± 0.000
yeast-1_vs_7	0.000 ± 0.000	0.000 ± 0.000	0.000 ± 0.000	0.000 ± 0.000	0.000 ± 0.000	0.000 ± 0.000	0.000 ± 0.000	0.000 ± 0.000	0.000 ± 0.000	0.000 ± 0.000	0.000 ± 0.000
zoo-3	0.000 ± 0.000	0.000 ± 0.000	0.000 ± 0.000	0.000 ± 0.000	0.000 ± 0.000	0.000 ± 0.000	0.000 ± 0.000	0.000 ± 0.000	0.000 ± 0.000	0.000 ± 0.000	0.000 ± 0.000
vehicle3	0.000 ± 0.000	0.000 ± 0.000	0.000 ± 0.000	0.000 ± 0.000	0.000 ± 0.000	0.000 ± 0.000	0.000 ± 0.000	0.000 ± 0.000	0.000 ± 0.000	0.000 ± 0.000	0.000 ± 0.000

Table 2. KNN – BAC (SMOTE1 POP200)

Dataset name	SMOTE	polynom-fit-SMOTE	Lee	SMOBD	G-SMOTE	LVQ-SMOTE	Assembled-SMOTE	SMOTE-TomekLinks	JFOTS_pr	JFOTS_rc	JFOTS_prom
ecoli-0-1-3-7_vs_2-6	0.000 ± 0.000	0.000 ± 0.000	0.000 ± 0.000	0.000 ± 0.000	0.000 ± 0.000	0.000 ± 0.000	0.000 ± 0.000	0.000 ± 0.000	0.000 ± 0.000	0.000 ± 0.000	0.000 ± 0.000
glass2	0.000 ± 0.000	0.000 ± 0.000	0.000 ± 0.000	0.000 ± 0.000	0.000 ± 0.000	0.000 ± 0.000	0.000 ± 0.000	0.000 ± 0.000	0.000 ± 0.000	0.000 ± 0.000	0.000 ± 0.000
yeast-1_vs_7	0.000 ± 0.000	0.000 ± 0.000	0.000 ± 0.000	0.000 ± 0.000	0.000 ± 0.000	0.000 ± 0.000	0.000 ± 0.000	0.000 ± 0.000	0.000 ± 0.000	0.000 ± 0.000	0.000 ± 0.000
zoo-3	0.000 ± 0.000	0.000 ± 0.000	0.000 ± 0.000	0.000 ± 0.000	0.000 ± 0.000	0.000 ± 0.000	0.000 ± 0.000	0.000 ± 0.000	0.000 ± 0.000	0.000 ± 0.000	0.000 ± 0.000
vehicle3	0.000 ± 0.000	0.000 ± 0.000	0.000 ± 0.000	0.000 ± 0.000	0.000 ± 0.000	0.000 ± 0.000	0.000 ± 0.000	0.000 ± 0.000	0.000 ± 0.000	0.000 ± 0.000	0.000 ± 0.000

Table 3. SVM – BAC (SMOTE1 POP200)

Dataset name	SMOTE	polynom-fit-SMOTE	Lee	SMOBD	G-SMOTE	LVQ-SMOTE	Assembled-SMOTE	SMOTE-TomekLinks	JFOTS_pr	JFOTS_rc	JFOTS_prom
ecoli-0-1-3-7_vs_2-6	0.000 ± 0.000	0.000 ± 0.000	0.000 ± 0.000	0.000 ± 0.000	0.000 ± 0.000	0.000 ± 0.000	0.000 ± 0.000	0.000 ± 0.000	0.000 ± 0.000	0.000 ± 0.000	0.000 ± 0.000
glass2	0.000 ± 0.000	0.000 ± 0.000	0.000 ± 0.000	0.000 ± 0.000	0.000 ± 0.000	0.000 ± 0.000	0.000 ± 0.000	0.000 ± 0.000	0.000 ± 0.000	0.000 ± 0.000	0.000 ± 0.000
yeast-1_vs_7	0.000 ± 0.000	0.000 ± 0.000	0.000 ± 0.000	0.000 ± 0.000	0.000 ± 0.000	0.000 ± 0.000	0.000 ± 0.000	0.000 ± 0.000	0.000 ± 0.000	0.000 ± 0.000	0.000 ± 0.000
zoo-3	0.000 ± 0.000	0.000 ± 0.000	0.000 ± 0.000	0.000 ± 0.000	0.000 ± 0.000	0.000 ± 0.000	0.000 ± 0.000	0.000 ± 0.000	0.000 ± 0.000	0.000 ± 0.000	0.000 ± 0.000
vehicle3	0.000 ± 0.000	0.000 ± 0.000	0.000 ± 0.000	0.000 ± 0.000	0.000 ± 0.000	0.000 ± 0.000	0.000 ± 0.000	0.000 ± 0.000	0.000 ± 0.000	0.000 ± 0.000	0.000 ± 0.000

Table 4. CART – BAC (SMOTE3 POP500)

Dataset name	SMOTE	polynom-fit-SMOTE	Lee	SMOBD	G-SMOTE	LVQ-SMOTE	Assembled-SMOTE	SMOTE-TomekLinks	JFOTS_pr	JFOTS_rc	JFOTS_prom
ecoli-0-1-3-7_vs_2-6	0.000 ± 0.000	0.000 ± 0.000	0.000 ± 0.000	0.000 ± 0.000	0.000 ± 0.000	0.000 ± 0.000	0.000 ± 0.000	0.000 ± 0.000	0.000 ± 0.000	0.000 ± 0.000	0.000 ± 0.000
glass2	0.000 ± 0.000	0.000 ± 0.000	0.000 ± 0.000	0.000 ± 0.000	0.000 ± 0.000	0.000 ± 0.000	0.000 ± 0.000	0.000 ± 0.000	0.000 ± 0.000	0.000 ± 0.000	0.000 ± 0.000
yeast-1_vs_7	0.000 ± 0.000	0.000 ± 0.000	0.000 ± 0.000	0.000 ± 0.000	0.000 ± 0.000	0.000 ± 0.000	0.000 ± 0.000	0.000 ± 0.000	0.000 ± 0.000	0.000 ± 0.000	0.000 ± 0.000
zoo-3	0.000 ± 0.000	0.000 ± 0.000	0.000 ± 0.000	0.000 ± 0.000	0.000 ± 0.000	0.000 ± 0.000	0.000 ± 0.000	0.000 ± 0.000	0.000 ± 0.000	0.000 ± 0.000	0.000 ± 0.000
vehicle3	0.000 ± 0.000	0.000 ± 0.000	0.000 ± 0.000	0.000 ± 0.000	0.000 ± 0.000	0.000 ± 0.000	0.000 ± 0.000	0.000 ± 0.000	0.000 ± 0.000	0.000 ± 0.000	0.000 ± 0.000

Table 5. KNN – BAC (SMOTE3 POP500)

Dataset name	SMOTE	polynom-fit-SMOTE	Lee	SMOBD	G-SMOTE	LVQ-SMOTE	Assembled-SMOTE	SMOTE-TomekLinks	JFOTS_pr	JFOTS_rc	JFOTS_prom
ecoli-0-1-3-7_vs_2-6	**0.000 ± 0.000**	**0.000 ± 0.000**	**0.000 ± 0.000**	**0.000 ± 0.000**	**0.000 ± 0.000**	**0.000 ± 0.000**	**0.000 ± 0.000**	**0.000 ± 0.000**	**0.000 ± 0.000**	**0.000 ± 0.000**	**0.000 ± 0.000**
glass2	**0.000 ± 0.000**	**0.000 ± 0.000**	**0.000 ± 0.000**	**0.000 ± 0.000**	**0.000 ± 0.000**	**0.000 ± 0.000**	**0.000 ± 0.000**	**0.000 ± 0.000**	**0.000 ± 0.000**	**0.000 ± 0.000**	**0.000 ± 0.000**
yeast-1_vs_7	**0.000 ± 0.000**	**0.000 ± 0.000**	**0.000 ± 0.000**	**0.000 ± 0.000**	**0.000 ± 0.000**	**0.000 ± 0.000**	**0.000 ± 0.000**	**0.000 ± 0.000**	**0.000 ± 0.000**	**0.000 ± 0.000**	**0.000 ± 0.000**
zoo-3	**0.000 ± 0.000**	**0.000 ± 0.000**	**0.000 ± 0.000**	**0.000 ± 0.000**	**0.000 ± 0.000**	**0.000 ± 0.000**	**0.000 ± 0.000**	**0.000 ± 0.000**	**0.000 ± 0.000**	**0.000 ± 0.000**	**0.000 ± 0.000**
vehicle3	**0.000 ± 0.000**	**0.000 ± 0.000**	**0.000 ± 0.000**	**0.000 ± 0.000**	**0.000 ± 0.000**	**0.000 ± 0.000**	**0.000 ± 0.000**	**0.000 ± 0.000**	**0.000 ± 0.000**	**0.000 ± 0.000**	**0.000 ± 0.000**

Table 6. SVM – BAC (SMOTE3 POP500)

Dataset name	SMOTE	polynom-fit-SMOTE	Lee	SMOBD	G-SMOTE	LVQ-SMOTE	Assembled-SMOTE	SMOTE-TomekLinks	JFOTS_pr	JFOTS_rc	JFOTS_prom
ecoli-0-1-3-7_vs_2-6	**0.000 ± 0.000**	**0.000 ± 0.000**	**0.000 ± 0.000**	**0.000 ± 0.000**	**0.000 ± 0.000**	**0.000 ± 0.000**	**0.000 ± 0.000**	**0.000 ± 0.000**	**0.000 ± 0.000**	**0.000 ± 0.000**	**0.000 ± 0.000**
glass2	**0.000 ± 0.000**	**0.000 ± 0.000**	**0.000 ± 0.000**	**0.000 ± 0.000**	**0.000 ± 0.000**	**0.000 ± 0.000**	**0.000 ± 0.000**	**0.000 ± 0.000**	**0.000 ± 0.000**	**0.000 ± 0.000**	**0.000 ± 0.000**
yeast-1_vs_7	**0.000 ± 0.000**	**0.000 ± 0.000**	**0.000 ± 0.000**	**0.000 ± 0.000**	**0.000 ± 0.000**	**0.000 ± 0.000**	**0.000 ± 0.000**	**0.000 ± 0.000**	**0.000 ± 0.000**	**0.000 ± 0.000**	**0.000 ± 0.000**
zoo-3	**0.000 ± 0.000**	**0.000 ± 0.000**	**0.000 ± 0.000**	**0.000 ± 0.000**	**0.000 ± 0.000**	**0.000 ± 0.000**	**0.000 ± 0.000**	**0.000 ± 0.000**	**0.000 ± 0.000**	**0.000 ± 0.000**	**0.000 ± 0.000**
vehicle3	**0.000 ± 0.000**	**0.000 ± 0.000**	**0.000 ± 0.000**	**0.000 ± 0.000**	**0.000 ± 0.000**	**0.000 ± 0.000**	**0.000 ± 0.000**	**0.000 ± 0.000**	**0.000 ± 0.000**	**0.000 ± 0.000**	**0.000 ± 0.000**

Table 7. CART – BAC (SMOTE3 POP1000)

Dataset name	SMOTE	polynom-fit-SMOTE	Lee	SMOBD	G-SMOTE	LVQ-SMOTE	Assembled-SMOTE	SMOTE-TomekLinks	JFOTS_pr	JFOTS_rc	JFOTS_prom
ecoli-0-1-3-7_vs_2-6	0.790 ± 0.115	**0.815 ± 0.063**	0.790 ± 0.115	0.790 ± 0.115	**0.815 ± 0.063**	0.776 ± 0.100	0.790 ± 0.115	0.790 ± 0.115	0.275 ± 0.282	0.275 ± 0.282	0.275 ± 0.282
glass2	0.591 ± 0.121	0.563 ± 0.077	0.577 ± 0.111	**0.610 ± 0.101**	0.599 ± 0.108	0.582 ± 0.110	0.575 ± 0.094	0.606 ± 0.124	0.591 ± 0.092	0.543 ± 0.069	0.576 ± 0.083
yeast-1_vs_7	0.613 ± 0.057	0.623 ± 0.049	0.601 ± 0.067	0.635 ± 0.052	0.598 ± 0.055	**0.659 ± 0.038**	0.616 ± 0.048	0.609 ± 0.053	0.568 ± 0.064	0.502 ± 0.002	0.577 ± 0.059
zoo-3	0.658 ± 0.189	0.608 ± 0.123	0.665 ± 0.158	0.650 ± 0.156	0.635 ± 0.160	**0.738 ± 0.159**	0.639 ± 0.122	0.658 ± 0.189	0.000 ± 0.000	0.000 ± 0.000	0.000 ± 0.000
vehicle3	0.666 ± 0.023	**0.690 ± 0.023**	0.655 ± 0.023	0.677 ± 0.028	0.671 ± 0.019	0.685 ± 0.014	0.674 ± 0.020	0.667 ± 0.013	0.625 ± 0.023	0.668 ± 0.020	0.677 ± 0.025

Table 8. KNN – BAC (SMOTE3 POP1000)

Dataset name	SMOTE	polynom-fit-SMOTE	Lee	SMOBD	G-SMOTE	LVQ-SMOTE	Assembled-SMOTE	SMOTE-TomekLinks	JFOTS_pr	JFOTS_rc	JFOTS_prom
ecoli-0-1-3-7_vs_2-6	0.834 ± 0.075	**0.835 ± 0.076**	0.834 ± 0.074	0.833 ± 0.074	**0.835 ± 0.076**	0.833 ± 0.076	0.834 ± 0.075	0.834 ± 0.075	0.373 ± 0.377	0.373 ± 0.377	0.373 ± 0.377
glass2	0.630 ± 0.134	0.633 ± 0.137	0.637 ± 0.151	0.644 ± 0.141	0.630 ± 0.135	0.627 ± 0.112	0.635 ± 0.145	0.628 ± 0.133	**0.665 ± 0.113**	0.564 ± 0.110	0.650 ± 0.138
yeast-1_vs_7	0.723 ± 0.036	0.723 ± 0.042	0.726 ± 0.035	**0.732 ± 0.042**	0.702 ± 0.055	0.690 ± 0.033	0.701 ± 0.051	0.722 ± 0.035	0.625 ± 0.060	0.499 ± 0.002	0.551 ± 0.057
zoo-3	**0.827 ± 0.157**	**0.827 ± 0.157**	**0.827 ± 0.157**	0.717 ± 0.191	**0.827 ± 0.157**	0.692 ± 0.167	**0.827 ± 0.157**	**0.827 ± 0.157**	0.000 ± 0.000	0.000 ± 0.000	0.000 ± 0.000
vehicle3	0.708 ± 0.018	0.700 ± 0.029	0.712 ± 0.019	**0.718 ± 0.025**	0.710 ± 0.017	0.692 ± 0.023	0.712 ± 0.020	0.706 ± 0.020	0.650 ± 0.015	0.697 ± 0.020	0.711 ± 0.020

Table 9. SVM – BAC (SMOTE3 POP1000)

Dataset name	SMOTE	polynom-fit-SMOTE	Lee	SMOBD	G-SMOTE	LVQ-SMOTE	Assembled-SMOTE	SMOTE-TomekLinks	JFOTS_pr	JFOTS_rc	JFOTS_prom
ecoli-0-1-3-7_vs_2-6	0.845 ± 0.075	**0.847 ± 0.078**	0.838 ± 0.074	0.842 ± 0.076	0.845 ± 0.079	0.828 ± 0.078	0.844 ± 0.075	0.845 ± 0.075	0.373 ± 0.377	0.373 ± 0.377	0.373 ± 0.377
glass2	0.642 ± 0.143	0.638 ± 0.134	0.648 ± 0.140	0.637 ± 0.137	0.651 ± 0.137	**0.677 ± 0.158**	0.648 ± 0.146	0.641 ± 0.143	0.637 ± 0.133	0.573 ± 0.111	0.664 ± 0.097
yeast-1_vs_7	0.690 ± 0.041	0.671 ± 0.046	0.691 ± 0.039	**0.692 ± 0.043**	0.664 ± 0.066	0.686 ± 0.064	0.683 ± 0.040	0.689 ± 0.041	0.632 ± 0.058	0.502 ± 0.002	0.589 ± 0.057
zoo-3	**0.611 ± 0.162**	**0.611 ± 0.162**	**0.611 ± 0.162**	0.597 ± 0.163	**0.611 ± 0.162**	0.595 ± 0.161	**0.611 ± 0.162**	**0.611 ± 0.162**	0.000 ± 0.000	0.000 ± 0.000	0.000 ± 0.000
vehicle3	0.789 ± 0.022	0.734 ± 0.017	0.790 ± 0.018	0.797 ± 0.026	0.790 ± 0.016	0.789 ± 0.023	0.789 ± 0.018	0.790 ± 0.021	0.661 ± 0.040	**0.797 ± 0.016**	0.761 ± 0.027

Table 10. CART – BAC (SMOTE5 POP200)

Dataset name	SMOTE	polynom-fit-SMOTE	Lee	SMOBD	G-SMOTE	LVQ-SMOTE	Assembled-SMOTE	SMOTE-TomekLinks	JFOTS_pr	JFOTS_rc	JFOTS_prom
ecoli-0-1-3-7_vs_2-6	0.790 ± 0.115	**0.815 ± 0.063**	0.790 ± 0.115	0.790 ± 0.115	**0.815 ± 0.063**	0.776 ± 0.100	0.790 ± 0.115	0.790 ± 0.115	0.000 ± 0.000	0.000 ± 0.000	0.000 ± 0.000
glass2	**0.000 ± 0.000**	**0.000 ± 0.000**	**0.000 ± 0.000**	**0.000 ± 0.000**	**0.000 ± 0.000**	**0.000 ± 0.000**	**0.000 ± 0.000**	**0.000 ± 0.000**	**0.000 ± 0.000**	**0.000 ± 0.000**	**0.000 ± 0.000**
yeast-1_vs_7	**0.000 ± 0.000**	**0.000 ± 0.000**	**0.000 ± 0.000**	**0.000 ± 0.000**	**0.000 ± 0.000**	**0.000 ± 0.000**	**0.000 ± 0.000**	**0.000 ± 0.000**	**0.000 ± 0.000**	**0.000 ± 0.000**	**0.000 ± 0.000**
zoo-3	0.658 ± 0.189	0.608 ± 0.123	0.665 ± 0.158	0.650 ± 0.156	0.635 ± 0.160	**0.738 ± 0.159**	0.639 ± 0.122	0.658 ± 0.189	0.000 ± 0.000	0.000 ± 0.000	0.000 ± 0.000
vehicle3	**0.000 ± 0.000**	**0.000 ± 0.000**	**0.000 ± 0.000**	**0.000 ± 0.000**	**0.000 ± 0.000**	**0.000 ± 0.000**	**0.000 ± 0.000**	**0.000 ± 0.000**	**0.000 ± 0.000**	**0.000 ± 0.000**	**0.000 ± 0.000**

Table 11. KNN – BAC (SMOTE5 POP200)

Dataset name	SMOTE	polynom-fit-SMOTE	Lee	SMOBD	G-SMOTE	LVQ-SMOTE	Assembled-SMOTE	SMOTE-TomekLinks	JFOTS_pr	JFOTS_rc	JFOTS_prom
ecoli-0-1-3-7_vs_2-6	0.834 ± 0.075	**0.835 ± 0.076**	0.834 ± 0.074	0.833 ± 0.074	**0.835 ± 0.076**	0.833 ± 0.076	0.834 ± 0.075	0.834 ± 0.075	0.000 ± 0.000	0.000 ± 0.000	0.000 ± 0.000
glass2	**0.000 ± 0.000**	**0.000 ± 0.000**	**0.000 ± 0.000**	**0.000 ± 0.000**	**0.000 ± 0.000**	**0.000 ± 0.000**	**0.000 ± 0.000**	**0.000 ± 0.000**	**0.000 ± 0.000**	**0.000 ± 0.000**	**0.000 ± 0.000**
yeast-1_vs_7	**0.000 ± 0.000**	**0.000 ± 0.000**	**0.000 ± 0.000**	**0.000 ± 0.000**	**0.000 ± 0.000**	**0.000 ± 0.000**	**0.000 ± 0.000**	**0.000 ± 0.000**	**0.000 ± 0.000**	**0.000 ± 0.000**	**0.000 ± 0.000**
zoo-3	**0.827 ± 0.157**	**0.827 ± 0.157**	**0.827 ± 0.157**	0.717 ± 0.191	**0.827 ± 0.157**	0.692 ± 0.167	**0.827 ± 0.157**	**0.827 ± 0.157**	0.000 ± 0.000	0.000 ± 0.000	0.000 ± 0.000
vehicle3	**0.000 ± 0.000**	**0.000 ± 0.000**	**0.000 ± 0.000**	**0.000 ± 0.000**	**0.000 ± 0.000**	**0.000 ± 0.000**	**0.000 ± 0.000**	**0.000 ± 0.000**	**0.000 ± 0.000**	**0.000 ± 0.000**	**0.000 ± 0.000**

Table 12. SVM – BAC (SMOTE5 POP200)

Dataset name	SMOTE	polynom-fit-SMOTE	Lee	SMOBD	G-SMOTE	LVQ-SMOTE	Assembled-SMOTE	SMOTE-TomekLinks	JFOTS_pr	JFOTS_rc	JFOTS_prom
ecoli-0-1-3-7_vs_2-6	**0.000 ± 0.000**	**0.000 ± 0.000**	**0.000 ± 0.000**	**0.000 ± 0.000**	**0.000 ± 0.000**	**0.000 ± 0.000**	**0.000 ± 0.000**	**0.000 ± 0.000**	**0.000 ± 0.000**	**0.000 ± 0.000**	**0.000 ± 0.000**
glass2	**0.000 ± 0.000**	**0.000 ± 0.000**	**0.000 ± 0.000**	**0.000 ± 0.000**	**0.000 ± 0.000**	**0.000 ± 0.000**	**0.000 ± 0.000**	**0.000 ± 0.000**	**0.000 ± 0.000**	**0.000 ± 0.000**	**0.000 ± 0.000**
yeast-1_vs_7	**0.000 ± 0.000**	**0.000 ± 0.000**	**0.000 ± 0.000**	**0.000 ± 0.000**	**0.000 ± 0.000**	**0.000 ± 0.000**	**0.000 ± 0.000**	**0.000 ± 0.000**	**0.000 ± 0.000**	**0.000 ± 0.000**	**0.000 ± 0.000**
zoo-3	**0.611 ± 0.162**	**0.611 ± 0.162**	**0.611 ± 0.162**	0.597 ± 0.163	**0.611 ± 0.162**	0.595 ± 0.161	**0.611 ± 0.162**	**0.611 ± 0.162**	0.000 ± 0.000	0.000 ± 0.000	0.000 ± 0.000
vehicle3	**0.000 ± 0.000**	**0.000 ± 0.000**	**0.000 ± 0.000**	**0.000 ± 0.000**	**0.000 ± 0.000**	**0.000 ± 0.000**	**0.000 ± 0.000**	**0.000 ± 0.000**	**0.000 ± 0.000**	**0.000 ± 0.000**	**0.000 ± 0.000**

Table 13. CART – BAC (SMOTE3 POP500 CV5x2)

Dataset name	SMOTE	polynom-fit-SMOTE	Lee	SMOBD	G-SMOTE	LVQ-SMOTE	Assembled-SMOTE	SMOTE-TomekLinks	JFOTS_pr	JFOTS_rc	JFOTS_prom
ecoli-0-1-3-7_vs_2-6	0.790 ± 0.115	**0.815 ± 0.063**	0.790 ± 0.115	0.790 ± 0.115	**0.815 ± 0.063**	0.776 ± 0.100	0.790 ± 0.115	0.790 ± 0.115	0.000 ± 0.000	0.000 ± 0.000	0.000 ± 0.000
glass2	0.591 ± 0.121	0.563 ± 0.077	0.577 ± 0.111	**0.610 ± 0.101**	0.599 ± 0.108	0.582 ± 0.110	0.575 ± 0.094	0.606 ± 0.124	0.551 ± 0.044	0.551 ± 0.044	0.551 ± 0.044
yeast-1_vs_7	0.613 ± 0.057	0.623 ± 0.049	0.601 ± 0.067	0.635 ± 0.052	0.598 ± 0.055	**0.659 ± 0.038**	0.616 ± 0.048	0.609 ± 0.053	0.564 ± 0.030	0.502 ± 0.002	0.582 ± 0.077
zoo-3	0.658 ± 0.189	0.608 ± 0.123	0.665 ± 0.158	0.650 ± 0.156	0.635 ± 0.160	**0.738 ± 0.159**	0.639 ± 0.122	0.658 ± 0.189	0.000 ± 0.000	0.000 ± 0.000	0.000 ± 0.000
vehicle3	0.666 ± 0.023	**0.690 ± 0.023**	0.655 ± 0.023	0.677 ± 0.028	0.671 ± 0.019	0.685 ± 0.014	0.674 ± 0.020	0.667 ± 0.013	0.664 ± 0.022	0.666 ± 0.025	0.664 ± 0.022

Table 14. KNN – BAC (SMOTE3 POP500 CV5x2)

Dataset name	SMOTE	polynom-fit-SMOTE	Lee	SMOBD	G-SMOTE	LVQ-SMOTE	Assembled-SMOTE	SMOTE-TomekLinks	JFOTS_pr	JFOTS_rc	JFOTS_prom
ecoli-0-1-3-7_vs_2-6	0.834 ± 0.075	**0.835 ± 0.076**	0.834 ± 0.074	0.833 ± 0.074	**0.835 ± 0.076**	0.833 ± 0.076	0.834 ± 0.075	0.834 ± 0.075	0.000 ± 0.000	0.000 ± 0.000	0.000 ± 0.000
glass2	0.630 ± 0.134	0.633 ± 0.137	0.637 ± 0.151	**0.644 ± 0.141**	0.630 ± 0.135	0.627 ± 0.112	0.635 ± 0.145	0.628 ± 0.133	0.580 ± 0.092	0.580 ± 0.092	0.580 ± 0.092
yeast-1_vs_7	0.723 ± 0.036	0.723 ± 0.042	0.726 ± 0.035	**0.732 ± 0.042**	0.702 ± 0.055	0.690 ± 0.033	0.701 ± 0.051	0.722 ± 0.035	0.581 ± 0.046	0.499 ± 0.002	0.553 ± 0.084
zoo-3	**0.827 ± 0.157**	**0.827 ± 0.157**	**0.827 ± 0.157**	0.717 ± 0.191	**0.827 ± 0.157**	0.692 ± 0.167	**0.827 ± 0.157**	**0.827 ± 0.157**	0.000 ± 0.000	0.000 ± 0.000	0.000 ± 0.000
vehicle3	0.708 ± 0.018	0.700 ± 0.029	0.712 ± 0.019	0.718 ± 0.025	0.710 ± 0.017	0.692 ± 0.023	0.712 ± 0.020	0.706 ± 0.020	0.696 ± 0.037	**0.723 ± 0.026**	0.700 ± 0.016

Table 15. SVM – BAC (SMOTE3 POP500 CV5x2)

Dataset name	SMOTE	polynom-fit-SMOTE	Lee	SMOBD	G-SMOTE	LVQ-SMOTE	Assembled-SMOTE	SMOTE-TomekLinks	JFOTS_pr	JFOTS_rc	JFOTS_prom
ecoli-0-1-3-7_vs_2-6	0.845 ± 0.075	**0.847 ± 0.078**	0.838 ± 0.074	0.842 ± 0.076	0.845 ± 0.079	0.828 ± 0.078	0.844 ± 0.075	0.845 ± 0.075	0.000 ± 0.000	0.000 ± 0.000	0.000 ± 0.000
glass2	0.642 ± 0.143	0.638 ± 0.134	0.648 ± 0.140	0.637 ± 0.137	0.651 ± 0.137	**0.677 ± 0.158**	0.648 ± 0.146	0.641 ± 0.143	0.591 ± 0.057	0.591 ± 0.057	0.591 ± 0.057
yeast-1_vs_7	0.690 ± 0.041	0.671 ± 0.046	0.691 ± 0.039	**0.692 ± 0.043**	0.664 ± 0.066	0.686 ± 0.064	0.683 ± 0.040	0.689 ± 0.041	0.575 ± 0.048	0.502 ± 0.002	0.569 ± 0.065
zoo-3	**0.611 ± 0.162**	**0.611 ± 0.162**	**0.611 ± 0.162**	0.597 ± 0.163	**0.611 ± 0.162**	0.595 ± 0.161	**0.611 ± 0.162**	**0.611 ± 0.162**	0.000 ± 0.000	0.000 ± 0.000	0.000 ± 0.000
vehicle3	0.789 ± 0.022	0.734 ± 0.017	0.790 ± 0.018	**0.797 ± 0.026**	0.790 ± 0.016	0.789 ± 0.023	0.789 ± 0.018	0.790 ± 0.021	0.713 ± 0.050	0.794 ± 0.017	0.764 ± 0.019

Table 16. CART – BAC

Dataset name	SMOTE	polynom-fit-SMOTE	Lee	SMOBD	G-SMOTE	LVQ-SMOTE	Assembled-SMOTE	SMOTE-TomekLinks	JFOTS_pr	JFOTS_rc	JFOTS_prom
ecoli-0-1-3-7_vs_2-6	0.790 ± 0.115	**0.815 ± 0.063**	0.790 ± 0.115	0.790 ± 0.115	**0.815 ± 0.063**	0.776 ± 0.100	0.790 ± 0.115	0.790 ± 0.115	0.000 ± 0.000	0.000 ± 0.000	0.000 ± 0.000
glass2	0.591 ± 0.121	0.563 ± 0.077	0.577 ± 0.111	**0.610 ± 0.101**	0.599 ± 0.108	0.582 ± 0.110	0.575 ± 0.094	0.606 ± 0.124	0.610 ± 0.060	0.610 ± 0.060	0.610 ± 0.060
yeast-1_vs_7	0.613 ± 0.057	0.623 ± 0.049	0.601 ± 0.067	0.635 ± 0.052	0.598 ± 0.055	**0.659 ± 0.038**	0.616 ± 0.048	0.609 ± 0.053	0.605 ± 0.042	0.502 ± 0.002	0.593 ± 0.037
zoo-3	0.658 ± 0.189	0.608 ± 0.123	0.665 ± 0.158	0.650 ± 0.156	0.635 ± 0.160	**0.738 ± 0.159**	0.639 ± 0.122	0.658 ± 0.189	0.000 ± 0.000	0.000 ± 0.000	0.000 ± 0.000
vehicle3	0.666 ± 0.023	**0.690 ± 0.023**	0.655 ± 0.023	0.677 ± 0.028	0.671 ± 0.019	0.685 ± 0.014	0.674 ± 0.020	0.667 ± 0.013	0.660 ± 0.034	0.656 ± 0.023	0.681 ± 0.030

Table 17. KNN – BAC

Dataset name	SMOTE	polynom-fit-SMOTE	Lee	SMOBD	G-SMOTE	LVQ-SMOTE	Assembled-SMOTE	SMOTE-TomekLinks	JFOTS_pr	JFOTS_rc	JFOTS_prom
ecoli-0-1-3-7_vs_2-6	0.834 ± 0.075	**0.835 ± 0.076**	0.834 ± 0.074	0.833 ± 0.074	**0.835 ± 0.076**	0.833 ± 0.076	0.834 ± 0.075	0.834 ± 0.075	0.000 ± 0.000	0.000 ± 0.000	0.000 ± 0.000
glass2	0.630 ± 0.134	0.633 ± 0.137	0.637 ± 0.151	0.644 ± 0.141	0.630 ± 0.135	0.627 ± 0.112	0.635 ± 0.145	0.628 ± 0.133	**0.665 ± 0.121**	**0.665 ± 0.121**	**0.665 ± 0.121**
yeast-1_vs_7	0.723 ± 0.036	0.723 ± 0.042	0.726 ± 0.035	**0.732 ± 0.042**	0.702 ± 0.055	0.690 ± 0.033	0.701 ± 0.051	0.722 ± 0.035	0.657 ± 0.075	0.499 ± 0.002	0.595 ± 0.073
zoo-3	**0.827 ± 0.157**	**0.827 ± 0.157**	**0.827 ± 0.157**	0.717 ± 0.191	**0.827 ± 0.157**	0.692 ± 0.167	**0.827 ± 0.157**	**0.827 ± 0.157**	0.000 ± 0.000	0.000 ± 0.000	0.000 ± 0.000
vehicle3	0.708 ± 0.018	0.700 ± 0.029	0.712 ± 0.019	**0.718 ± 0.025**	0.710 ± 0.017	0.692 ± 0.023	0.712 ± 0.020	0.706 ± 0.020	0.672 ± 0.035	0.699 ± 0.029	0.710 ± 0.032

Table 18. SVM – BAC

Dataset name	SMOTE	polynom-fit-SMOTE	Lee	SMOBD	G-SMOTE	LVQ-SMOTE	Assembled-SMOTE	SMOTE-TomekLinks	JFOTS_pr	JFOTS_rc	JFOTS_prom
ecoli-0-1-3-7_vs_2-6	0.845 ± 0.075	**0.847 ± 0.078**	0.838 ± 0.074	0.842 ± 0.076	0.845 ± 0.079	0.828 ± 0.078	0.844 ± 0.075	0.845 ± 0.075	0.000 ± 0.000	0.000 ± 0.000	0.000 ± 0.000
glass2	0.642 ± 0.143	0.638 ± 0.134	0.648 ± 0.140	0.637 ± 0.137	0.651 ± 0.137	**0.677 ± 0.158**	0.648 ± 0.146	0.641 ± 0.143	0.614 ± 0.117	0.614 ± 0.117	0.614 ± 0.117
yeast-1_vs_7	0.690 ± 0.041	0.671 ± 0.046	0.691 ± 0.039	**0.692 ± 0.043**	0.664 ± 0.066	0.686 ± 0.064	0.683 ± 0.040	0.689 ± 0.041	0.643 ± 0.082	0.502 ± 0.002	0.592 ± 0.054
zoo-3	**0.611 ± 0.162**	**0.611 ± 0.162**	**0.611 ± 0.162**	0.597 ± 0.163	**0.611 ± 0.162**	0.595 ± 0.161	**0.611 ± 0.162**	**0.611 ± 0.162**	0.000 ± 0.000	0.000 ± 0.000	0.000 ± 0.000
vehicle3	0.789 ± 0.022	0.734 ± 0.017	0.790 ± 0.018	**0.797 ± 0.026**	0.790 ± 0.016	0.789 ± 0.023	0.789 ± 0.018	0.790 ± 0.021	0.687 ± 0.040	0.789 ± 0.020	0.769 ± 0.020

Table 19. CART – BAC (ROS POP200)

Dataset name	SMOTE	polynom-fit-SMOTE	Lee	SMOBD	G-SMOTE	LVQ-SMOTE	Assembled-SMOTE	SMOTE-TomekLinks	JFOTS_pr	JFOTS_rc	JFOTS_prom
ecoli-0-1-3-7_vs_2-6	0.790 ± 0.115	**0.815 ± 0.063**	0.790 ± 0.115	0.790 ± 0.115	**0.815 ± 0.063**	0.776 ± 0.100	0.790 ± 0.115	0.790 ± 0.115	0.691 ± 0.117	0.608 ± 0.059	0.650 ± 0.145
glass2	0.591 ± 0.121	0.563 ± 0.077	0.577 ± 0.111	**0.610 ± 0.101**	0.599 ± 0.108	0.582 ± 0.110	0.575 ± 0.094	0.606 ± 0.124	0.560 ± 0.106	0.516 ± 0.071	0.533 ± 0.063
yeast-1_vs_7	0.613 ± 0.057	0.623 ± 0.049	0.601 ± 0.067	0.635 ± 0.052	0.598 ± 0.055	**0.659 ± 0.038**	0.616 ± 0.048	0.609 ± 0.053	0.558 ± 0.061	0.513 ± 0.034	0.568 ± 0.046
zoo-3	0.658 ± 0.189	0.608 ± 0.123	0.665 ± 0.158	0.650 ± 0.156	0.635 ± 0.160	0.738 ± 0.159	0.639 ± 0.122	0.658 ± 0.189	0.770 ± 0.080	**0.797 ± 0.108**	0.744 ± 0.116
vehicle3	0.666 ± 0.023	**0.690 ± 0.023**	0.655 ± 0.023	0.677 ± 0.028	0.671 ± 0.019	0.685 ± 0.014	0.674 ± 0.020	0.667 ± 0.013	0.647 ± 0.025	0.665 ± 0.022	0.658 ± 0.030

Table 20. KNN – BAC (ROS POP200)

Dataset name	SMOTE	polynom-fit-SMOTE	Lee	SMOBD	G-SMOTE	LVQ-SMOTE	Assembled-SMOTE	SMOTE-TomekLinks	JFOTS_pr	JFOTS_rc	JFOTS_prom
ecoli-0-1-3-7_vs_2-6	0.834 ± 0.075	**0.835 ± 0.076**	0.834 ± 0.074	0.833 ± 0.074	**0.835 ± 0.076**	0.833 ± 0.076	0.834 ± 0.075	0.834 ± 0.075	0.699 ± 0.117	0.694 ± 0.104	0.738 ± 0.117
glass2	0.630 ± 0.134	0.633 ± 0.137	0.637 ± 0.151	**0.644 ± 0.141**	0.630 ± 0.135	0.627 ± 0.112	0.635 ± 0.145	0.628 ± 0.133	0.589 ± 0.128	0.564 ± 0.075	0.584 ± 0.110
yeast-1_vs_7	0.723 ± 0.036	0.723 ± 0.042	0.726 ± 0.035	**0.732 ± 0.042**	0.702 ± 0.055	0.690 ± 0.033	0.701 ± 0.051	0.722 ± 0.035	0.586 ± 0.031	0.499 ± 0.002	0.586 ± 0.072
zoo-3	**0.827 ± 0.157**	**0.827 ± 0.157**	**0.827 ± 0.157**	0.717 ± 0.191	**0.827 ± 0.157**	0.692 ± 0.167	**0.827 ± 0.157**	**0.827 ± 0.157**	0.772 ± 0.147	0.748 ± 0.132	0.722 ± 0.146
vehicle3	0.708 ± 0.018	0.700 ± 0.029	0.712 ± 0.019	**0.718 ± 0.025**	0.710 ± 0.017	0.692 ± 0.023	0.712 ± 0.020	0.706 ± 0.020	0.643 ± 0.024	0.682 ± 0.031	0.671 ± 0.030

Table 21. SVM – BAC (ROS POP200)

Dataset name	SMOTE	polynom-fit-SMOTE	Lee	SMOBD	G-SMOTE	LVQ-SMOTE	Assembled-SMOTE	SMOTE-TomekLinks	JFOTS_pr	JFOTS_rc	JFOTS_prom
ecoli-0-1-3-7_vs_2-6	0.845 ± 0.075	**0.847 ± 0.078**	0.838 ± 0.074	0.842 ± 0.076	0.845 ± 0.079	0.828 ± 0.078	0.844 ± 0.075	0.845 ± 0.075	0.777 ± 0.112	0.762 ± 0.124	0.774 ± 0.103
glass2	0.642 ± 0.143	0.638 ± 0.134	0.648 ± 0.140	0.637 ± 0.137	0.651 ± 0.137	**0.677 ± 0.158**	0.648 ± 0.146	0.641 ± 0.143	0.650 ± 0.100	0.608 ± 0.102	0.619 ± 0.133
yeast-1_vs_7	0.690 ± 0.041	0.671 ± 0.046	0.691 ± 0.039	**0.692 ± 0.043**	0.664 ± 0.066	0.686 ± 0.064	0.683 ± 0.040	0.689 ± 0.041	0.584 ± 0.044	0.510 ± 0.024	0.614 ± 0.062
zoo-3	0.611 ± 0.162	0.611 ± 0.162	0.611 ± 0.162	0.597 ± 0.163	0.611 ± 0.162	0.595 ± 0.161	0.611 ± 0.162	0.611 ± 0.162	0.751 ± 0.120	**0.752 ± 0.126**	0.726 ± 0.142
vehicle3	0.789 ± 0.022	0.734 ± 0.017	0.790 ± 0.018	**0.797 ± 0.026**	0.790 ± 0.016	0.789 ± 0.023	0.789 ± 0.018	0.790 ± 0.021	0.671 ± 0.031	0.792 ± 0.017	0.742 ± 0.041

Table 22. CART – BAC (ROS POP1000)

Dataset name	SMOTE	polynom-fit-SMOTE	Lee	SMOBD	G-SMOTE	LVQ-SMOTE	Assembled-SMOTE	SMOTE-TomekLinks	JFOTS_pr	JFOTS_rc	JFOTS_prom
ecoli-0-1-3-7_vs_2-6	0.790 ± 0.115	**0.815 ± 0.063**	0.790 ± 0.115	0.790 ± 0.115	**0.815 ± 0.063**	0.776 ± 0.100	0.790 ± 0.115	0.790 ± 0.115	0.658 ± 0.121	0.608 ± 0.059	0.688 ± 0.148
glass2	0.591 ± 0.121	0.563 ± 0.077	0.577 ± 0.111	**0.610 ± 0.101**	0.599 ± 0.108	0.582 ± 0.110	0.575 ± 0.094	0.606 ± 0.124	0.579 ± 0.096	0.521 ± 0.071	0.544 ± 0.064
yeast-1_vs_7	0.613 ± 0.057	0.623 ± 0.049	0.601 ± 0.067	0.635 ± 0.052	0.598 ± 0.055	**0.659 ± 0.038**	0.616 ± 0.048	0.609 ± 0.053	0.548 ± 0.043	0.511 ± 0.029	0.585 ± 0.048
zoo-3	0.658 ± 0.189	0.608 ± 0.123	0.665 ± 0.158	0.650 ± 0.156	0.635 ± 0.160	0.738 ± 0.159	0.639 ± 0.122	0.658 ± 0.189	0.766 ± 0.115	**0.768 ± 0.119**	0.766 ± 0.115
vehicle3	0.666 ± 0.023	**0.690 ± 0.023**	0.655 ± 0.023	0.677 ± 0.028	0.671 ± 0.019	0.685 ± 0.014	0.674 ± 0.020	0.667 ± 0.013	0.642 ± 0.020	0.656 ± 0.018	0.657 ± 0.024

Table 23. KNN – BAC (ROS POP1000)

Dataset name	SMOTE	polynom-fit-SMOTE	Lee	SMOBD	G-SMOTE	LVQ-SMOTE	Assembled-SMOTE	SMOTE-TomekLinks	JFOTS_pr	JFOTS_rc	JFOTS_prom
ecoli-0-1-3-7_vs_2-6	0.834 ± 0.075	**0.835 ± 0.076**	0.834 ± 0.074	0.833 ± 0.074	**0.835 ± 0.076**	0.833 ± 0.076	0.834 ± 0.075	0.834 ± 0.075	0.699 ± 0.117	0.694 ± 0.104	0.726 ± 0.123
glass2	0.630 ± 0.134	0.633 ± 0.137	0.637 ± 0.151	**0.644 ± 0.141**	0.630 ± 0.135	0.627 ± 0.112	0.635 ± 0.145	0.628 ± 0.133	0.591 ± 0.123	0.547 ± 0.069	0.601 ± 0.129
yeast-1_vs_7	0.723 ± 0.036	0.723 ± 0.042	0.726 ± 0.035	**0.732 ± 0.042**	0.702 ± 0.055	0.690 ± 0.033	0.701 ± 0.051	0.722 ± 0.035	0.590 ± 0.044	0.499 ± 0.002	0.593 ± 0.069
zoo-3	**0.827 ± 0.157**	**0.827 ± 0.157**	**0.827 ± 0.157**	0.717 ± 0.191	**0.827 ± 0.157**	0.692 ± 0.167	**0.827 ± 0.157**	**0.827 ± 0.157**	0.747 ± 0.134	0.748 ± 0.133	0.747 ± 0.134
vehicle3	0.708 ± 0.018	0.700 ± 0.029	0.712 ± 0.019	**0.718 ± 0.025**	0.710 ± 0.017	0.692 ± 0.023	0.712 ± 0.020	0.706 ± 0.020	0.641 ± 0.024	0.677 ± 0.022	0.686 ± 0.035

Table 24. SVM – BAC (ROS POP1000)

Dataset_name	SMOTE	polynom-fit-SMOTE	Lee	SMOBD	G-SMOTE	LVQ-SMOTE	Assembled-SMOTE	SMOTE-TomekLinks	JFOTS_pr	JFOTS_rc	JFOTS_prom
ecoli-0-1-3-7_vs_2-6	0.845 ± 0.075	**0.847 ± 0.078**	0.838 ± 0.074	0.842 ± 0.076	0.845 ± 0.079	0.828 ± 0.078	0.844 ± 0.075	0.845 ± 0.075	0.777 ± 0.112	0.762 ± 0.124	0.755 ± 0.117
glass2	0.642 ± 0.143	0.638 ± 0.134	0.648 ± 0.140	0.637 ± 0.137	0.651 ± 0.137	**0.677 ± 0.158**	0.648 ± 0.146	0.641 ± 0.143	0.647 ± 0.102	0.592 ± 0.092	0.623 ± 0.120
yeast-1_vs_7	0.690 ± 0.041	0.671 ± 0.046	0.691 ± 0.039	**0.692 ± 0.043**	0.664 ± 0.066	0.686 ± 0.064	0.683 ± 0.040	0.689 ± 0.041	0.582 ± 0.045	0.510 ± 0.024	0.625 ± 0.055
zoo-3	0.611 ± 0.162	0.611 ± 0.162	0.611 ± 0.162	0.597 ± 0.163	0.611 ± 0.162	0.595 ± 0.161	0.611 ± 0.162	0.611 ± 0.162	0.701 ± 0.138	**0.726 ± 0.160**	0.701 ± 0.138
vehicle3	0.789 ± 0.022	0.734 ± 0.017	0.790 ± 0.018	**0.797 ± 0.026**	0.790 ± 0.016	0.789 ± 0.023	0.789 ± 0.018	0.790 ± 0.021	0.669 ± 0.026	0.788 ± 0.019	0.755 ± 0.031