

Linear SVM			Prec						Recall						F <sub>1</sub>						ROC AUC																
			Sample		Ranking		Baseline		Weights		SMOTE		MSMOTE		MetaCost		Ranking		Baseline		Weights		SMOTE		MSMOTE		MetaCost		Ranking		Baseline		Weights		SMOTE		MSMOTE
sonar			0.760	0.740	0.735	0.740	0.742	0.732	0.734	0.719	0.741	0.719	0.727	0.741	0.723	0.734	0.370	0.366	0.724	0.725	0.375	0.366	0.823	0.826	0.823	0.823	0.816	0.816									
breast-cancer-wisconsin			0.935	0.954	0.947	0.948	0.948	0.947	0.982	0.952	0.962	0.961	0.959	0.957	0.953	0.954	0.459	0.459	0.459	0.458	0.462	0.457	0.994	0.994	0.994	0.994	0.994	0.994									
german			0.529	0.667	0.537	0.550	0.552	0.634	0.750	0.497	0.742	0.703	0.568	0.618	0.598	0.334	0.336	0.616	0.617	0.598	0.334	0.808	0.809	0.806	0.804	0.808	0.808										
haberman			0.428	0.555	0.477	0.447	0.422	0.594	0.581	0.119	0.491	0.548	0.542	0.485	0.469	0.253	0.280	0.138	0.272	0.278	0.273	0.168	0.685	0.689	0.690	0.677	0.668	0.688									
transfusion			0.417	0.656	0.402	0.395	0.400	0.603	0.694	0.089	0.770	0.759	0.755	0.104	0.516	0.154	0.298	0.294	0.296	0.131	0.758	0.758	0.757	0.753	0.752	0.758											
vehicle-van			0.940	0.932	0.901	0.908	0.909	0.900	0.936	0.949	0.963	0.959	0.961	0.958	0.937	0.940	0.409	0.409	0.408	0.408	0.409	0.409	0.995	0.995	0.994	0.994	0.994	0.994									
CTG			0.923	0.947	0.873	0.879	0.887	0.931	0.927	0.915	0.962	0.960	0.955	0.938	0.917	0.919	0.398	0.398	0.398	0.398	0.395	0.395	0.993	0.993	0.992	0.992	0.993	0.993									
hepatitis			0.615	0.664	0.584	0.583	0.584	0.610	0.696	0.579	0.762	0.721	0.721	0.634	0.606	0.651	0.630	0.648	0.632	0.632	0.632	0.311	0.288	0.323	0.314	0.318	0.318	0.882	0.882	0.871	0.881						
segment-1			0.986	0.994	0.988	0.991	0.990	0.993	0.986	0.988	0.989	0.989	0.991	0.987	0.986	0.991	0.990	0.990	0.990	0.990	0.990	0.347	0.348	0.348	0.347	0.348	0.348	0.998	0.998	0.998	0.999						
winequality-red-7,8			0.432	0.559	0.345	0.350	0.360	0.565	0.655	0.145	0.785	0.780	0.776	0.254	0.517	0.228	0.479	0.482	0.491	0.346	0.256	0.264	0.265	0.266	0.266	0.858	0.858	0.856	0.850	0.855	0.855						
vowel-1			0.364	0.511	0.299	0.293	0.309	0.413	0.632	0.114	0.882	0.915	0.694	0.211	0.457	0.180	0.445	0.442	0.421	0.273	0.214	0.090	0.240	0.242	0.217	0.892	0.884	0.893	0.887	0.850	0.870						
abalone-9vs18			0.708	0.712	0.340	0.364	0.402	0.718	0.631	0.409	0.800	0.797	0.716	0.597	0.652	0.502	0.473	0.493	0.500	0.632	0.177	0.139	0.193	0.193	0.184	0.171	0.948	0.952	0.950	0.950							
glass-6			0.787	0.000	0.154	0.153	0.149	0.008	0.675	0.000	0.637	0.662	0.625	0.013	0.695	0.000	0.234	0.236	0.226	0.010	0.161	0.000	0.138	0.142	0.136	0.004	0.984	0.507	0.763	0.752	0.761	0.436					
car-good			0.353	0.210	0.268	0.281	0.273	0.434	0.755	0.039	1.000	0.998	0.738	0.218	0.476	0.064	0.422	0.438	0.391	0.274	0.165	0.026	0.185	0.186	0.159	0.087	0.959	0.958	0.941	0.955	0.955	0.955					
yeast-ME1			0.494	0.699	0.389	0.395	0.453	0.520	0.831	0.442	0.986	0.986	0.833	0.650	0.612	0.523	0.556	0.562	0.564	0.571	0.153	0.112	0.166	0.166	0.152	0.135	0.986	0.986	0.985	0.984	0.986	0.986					
Average			0.645	0.653	0.549	0.552	0.559	0.640	0.764	0.464	0.832	0.831	0.779	0.538	0.681	0.503	0.627	0.628	0.624	0.554	0.289	0.221	0.293	0.293	0.287	0.240	0.905	0.872	0.890	0.887	0.881	0.865					
Winner			33%	73%	0%	0%	0%	33%	0%	73%	46%	26%	13%	80%	20%	6%	66%	40%	26%	20%	26%	20%	40%	6%	66%	73%	13%	20%	46%	46%	46%						