S. no	Dataset	ML task	# Features	# Datapoints	F1/R2: No feature selection	F1/R2: KGFarm feature selection			F1/R2: Filter method (ANOVA-test)			F1/R2: Embedded method (tree-based)			F1/R2: Wrapper method (RFE)		
						K = 5	K = 10	K = 20	K = 5	K = 10	K = 20	K = 5	K = 10	K = 20	K = 5	K = 10	K = 20
1	OVA_Breast	binary	10936	1545	0.95	0.942	0.947	0.949	0.94	0.949	0.948	0.944	0.958	0.95	time out	time out	time out
2	riccardo	binary	4296	20000	0.621	0.585	0.613	0.614	0.505	0.607	0.601	0.502	0.613	0.614	time out	time out	time out
3	guillermo	binary	4296	20000	0.792	0.815	0.81	0.815	0.815	0.816	0.817	0.816	0.816	0.818	time out	time out	time out
4	christine	binary	1636	5418	0.726	0.698	0.722	0.73	0.678	0.694	0.712	0.671	0.725	0.733	0.615	0.627	0.638
5	jasmine	binary	144	2984	0.812	0.692	0.717	0.763	0.739	0.776	0.813	0.779	0.803	0.812	0.595	0.656	0.741
6	nomao	binary	118	34465	0.827	0.789	0.813	0.817	0.707	0.767	0.817	0.778	0.817	0.823	0.727	0.798	0.811
7	Hill_Valley_with_noise	binary	100	1212	0.558	0.549	0.579	0.592	0.487	0.484	0.469	0.527	0.577	0.604	0.544	0.544	0.553
8	Hill_Valley_without_noise	binary	100	1212	0.605	0.631	0.633	0.64	0.526	0.546	0.566	0.611	0.633	0.63	0.574	0.593	0.584
9	ozone-level-8hr	binary	72	2534	0.565	0.554	0.562	0.549	0.512	0.515	0.552	0.554	0.563	0.555	0.544	0.569	0.547
10	spambase	binary	57	4601	0.501	0.476	0.479	0.495	0.469	0.487	0.495	0.477	0.496	0.501	0.387	0.483	0.493
11	MiniBooNE	binary	50	130064	0.515	0.502	0.51	0.515	0.492	0.503	0.512	0.501	0.511	0.515	0.482	0.498	0.505
12	ailerons	binary	40	13750	0.863	0.665	0.721	0.842	0.798	0.792	0.832	0.872	0.875	0.869	0.631	0.653	0.868
13	waveform-5000	binary	40	5000	0.876	0.683	0.724	0.716	0.816	0.849	0.879	0.833	0.865	0.871	0.591	0.843	0.875
14	mc1	binary	38	9466	0.73	0.764	0.819	0.769	0.747	0.733	0.73	0.718	0.779	0.769	0.699	0.715	0.726
15	pc4	binary	37	1458	0.711	0.73	0.731	0.733	0.707	0.73	0.722	0.725	0.739	0.713	0.59	0.591	0.71
16	ionosphere	binary	34	351	0.886	0.816	0.816	0.881	0.807	0.835	0.843	0.801	0.823	0.844	0.755	0.809	0.903
17	puma32H_752	binary	32	8192	0.882	0.876	0.877	0.881	0.627	0.883	0.883	0.878	0.892	0.885	0.633	0.642	0.885
18	bank32nh_833	binary	32	8192	0.758	0.76	0.764	0.769	0.758	0.765	0.763	0.754	0.762	0.762	0.576	0.722	0.758
19	breast_cancer_wisconsin	binary	30	569	0.94	0.946	0.938	0.942	0.927	0.939	0.953	0.915	0.957	0.957	0.937	0.951	0.94
20	robert	multiclass	7200	10000	0.443	0.24	0.241	0.243	0.189	0.227	0.246	0.268	0.334	0.388	time out	time out	time out
21	dilbert	multiclass	2000	10000	0.973	0.737	0.837	0.892	0.535	0.618	0.693	0.739	0.856	0.923	time out	time out	time out
22	cnae-9	multiclass	856	1080	0.923	0.487	0.669	0.761	0.342	0.432	0.773	0.471	0.707	0.831	0.022	0.119	0.132
23	fabert	multiclass	800	8237	0.68	0.173	0.197	0.294	0.161	0.212	0.283	0.152	0.211	0.301	0.097	0.12	0.173
24	Fashion-MNIST	multiclass	784	70000	0.883	0.59	0.733	0.802	0.349	0.482	0.566	0.596	0.751	0.816	time out	time out	time out
25	mnist_784	multiclass	784	70000	0.969	0.293	0.395	0.445	0.39	0.642	0.774	0.466	0.769	0.896	0.292	0.351	0.631
26	volkert	multiclass	180	58310	0.597	0.367	0.486	0.594	0.268	0.312	0.381	0.371	0.533	0.604	0.421	0.452	0.478
27	optdigits	multiclass	64	5620	0.978	0.71	0.88	0.981	0.701	0.907	0.964	0.684	0.924	0.968	0.544	0.821	0.916
28	covertype	multiclass	54	581012	0.654	0.502	0.503	0.627	0.371	0.419	0.537	0.505	0.536	0.646	0.348	0.45	0.591
29	jannis	multiclass	54	83733	0.52	0.474	0.519	0.522	0.414	0.486	0.526	0.444	0.529	0.535	0.386	0.479	0.51
30	connect-4	multiclass	42	67557	0.508	0.366	0.443	0.481	0.355	0.427	0.477	0.301	0.453	0.498	0.338	0.389	0.507
31	satimage	multiclass	36	6430	0.9	0.845	0.889	0.896	0.814	0.852	0.889	0.813	0.882	0.896	0.81	0.871	0.893
32	pol	regression	48	15000	0.988	0.593	0.943	0.988	0.251	0.915	0.983	0.913	0.987	0.988	0.036	0.115	0.83
33	bank32nh_558	regression	32	8192	0.506	0.452	0.474	0.496	0.45	0.468	0.489	0.464	0.497	0.504	-0.054	0.373	0.506
34	puma32H_308	regression	32	8192	0.933	0.913	0.931	0.931	0.147	0.172	0.188	0.913	0.937	0.934	0.158	0.173	0.935
Time taken for evaluating feature importance (seconds)					geomean	0.64			0.05			0.88			13.82		
					average	10.93			0.47			16.25			1167.51		