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)			13.82		
						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	0	0	0
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	0	0	0
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	0	0	0
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	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
6	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
7	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
8	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
9	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
10	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
11	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
12	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
13	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
14	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
15	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
16	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
17	robert	multiclass	7200	10000	0.443	0.24	0.241	0.243	0.189	0.227	0.246	0.268	0.334	0.388	0	0	0
18	dilbert	multiclass	2000	10000	0.973	0.737	0.837	0.892	0.535	0.618	0.693	0.739	0.856	0.923	0	0	0
18	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
20	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
21	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	0	0	0
22	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
23	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
24	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
25	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
26	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
27	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
28	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
29	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
30	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
					geomean	0.64			0.05			0.88			13.82		
Time taken for evaluating feature importance (seconds)					average	10.93			0.47			16.25			1167.51		