Table 1: Results of leaf dataset

Algorithm	k	r	aggregation	Level of missing values	auc	stddev	Cross validation
f	   (2 E)	2.0	A5	1111001118 (0111100)	0.930431	0.021398	10
f	(3, 5) $(3, 5)$	5.0	A5 A5		0.930431 $0.930431$	0.021398 $0.021398$	10
f	(3, 5)	10.0	A5		0.930431	0.021398 $0.021398$	10
f	(3, 5)	2.0	A6		0.929946	0.021336 $0.020736$	10
f	(3, 5)	5.0	A6		0.929946	0.020736	10
f	(3, 5)	10.0	A6		0.929946	0.020736	10
f	(3, 5)	2.0	A9		0.929932	0.021729	10
f	(3, 5)	5.0	A9		0.929932	0.021229	10
f	(3, 5)	10.0	A9		0.929932	0.021229	10
f	(3, 5)	2.0	A8		0.929892	0.021062	10
f	(3, 5)	5.0	A8		0.929892	0.021062	10
f	(3,5)	10.0	A8		0.929892	0.021062	10
f	(3,5)	2.0	A3		0.929879	0.021282	10
f	(3,5)	5.0	A3		0.929879	0.021282	10
f	(3,5)	10.0	A3		0.929879	0.021282	10
f	(3,5)	2.0	A10		0.929808	0.021148	10
f	(3, 5)	5.0	A10		0.929808	0.021148	10
f	(3, 5)	10.0	A10		0.929808	0.021148	10
f	(3, 5)	2.0	A4		0.929800	0.021380	10
f	(3, 5)	5.0	A4		0.929800	0.021380	10
f	(3, 5)	10.0	A4		0.929800	0.021380	10
f	(3, 5)	2.0	A1		0.929609	0.020716	10
f	(3, 5)	5.0	A1		0.929609	0.020716	10
f	(3, 5)	10.0	A1		0.929609	0.020716	10
f	(3, 5)	2.0	A2		0.929609	0.020716	10
f	(3, 5)	5.0	A2		0.929609	0.020716	10
f	(3, 5)	10.0	A2		0.929609	0.020716	10
f	(3, 5)	2.0	A7		0.929609	0.020716	10
f	(3, 5)	5.0	A7		0.929609	0.020716	10
f	(3, 5)	10.0	A7		0.929609	0.020716	10
m	(3, 5)				0.929609	0.020716	10
f	(2, 4)	2.0	A6		0.923009	0.021471	10
f	(2, 4)	5.0	A6		0.923009	0.021471	10
f	(2, 4)	10.0	A6		0.923009	0.021471	10
f	(2, 4)	2.0	A5	0.0	0.922675	0.021816	10
f	(2, 4)	5.0	A5		0.922675	0.021816	10
f	(2, 4)	10.0	A5		0.922675	0.021816	10
f	(2, 4)	2.0	A1		0.922649	0.021623	10
f	(2, 4)	5.0	A1		0.922649	0.021623	10
f	(2, 4)	10.0	A1		0.922649	0.021623	10
f	(2, 4)	2.0	A2		0.922649	0.021623	10
f	(2, 4)	5.0	A2		0.922649	0.021623	10
f	(2, 4)	10.0	A2		0.922649	0.021623	10
f	(2, 4)	2.0	A7		0.922649	0.021623	10
f	(2, 4)	5.0	A7		0.922649	0.021623	10
f	(2, 4)	10.0	A7		0.922649	0.021623	10
m	(2, 4)	0.0	A 10		0.922649	0.021623	10
f	(2, 4)	2.0	A10		0.922591	0.021512	10
f	(2, 4)	5.0	A10		0.922591	0.021512	10
f	(2, 4)	10.0	A10		0.922591	0.021512	10
f	(2, 4)	2.0	A8		0.922527	0.021610	10
f	(2, 4)	5.0	A8		0.922527	0.021610	10
f f	(2, 4)	10.0	A8		0.922527	0.021610	10
f	(2, 4)	2.0	A3		0.922485	0.021601	10
f	(2, 4)	5.0	A3		0.922485	0.021601	10
f	(2, 4)	10.0	A3		0.922485	0.021601	10
f	(2, 4)	2.0	A4		0.922485	0.021601	10
f	(2, 4)	5.0 10.0	A4 A4		0.922485 $0.922485$	$\begin{array}{c c} 0.021601 \\ 0.021601 \end{array}$	10 10
f	(2, 4) $(2, 4)$	2.0	A4 A9		0.922485 $0.922406$	0.021601 $0.021593$	10
f		5.0	A9 A9		0.922406 $0.922406$	0.021593 $0.021593$	10
1	(2, 4)	0.0	A9		0.34400	0.021090	10

Algorithm	k	r	aggregation	Level of	auc	stddev	Cross
				missing values			validation
f	(2, 4)	10.0	A9		0.922406	0.021593	10
f	(3, 5)	10.0	A8		0.932459	0.024905	10
f	(3, 5)	10.0	A5		0.932413	0.025553	10
f f	(3, 5)	5.0 10.0	A5 A2		0.931172 $0.930445$	0.026944 $0.022340$	10 10
f	(3, 5) $(3, 5)$	10.0	A2 A4		0.930445 $0.929477$	0.022340 $0.021363$	10
f	(3, 5)	10.0	A9		0.929411	0.021303 $0.017730$	10
f	(3, 5)	10.0	A1		0.928854	0.017730	10
f	(2, 4)	10.0	A1		0.928317	0.016542	10
f	(2,4)	10.0	A5		0.928191	0.018408	10
f	(3, 5)	5.0	A2		0.926483	0.019025	10
f	(3, 5)	5.0	A6		0.925813	0.024118	10
f	(3, 5)	10.0	A6		0.925554	0.023458	10
f	(3, 5)	10.0	A10		0.925340	0.015269	10
f	(3, 5)	10.0	A3		0.925207	0.013215	10
f f	(3, 5)	10.0 5.0	A7 A4		0.925027 $0.924245$	0.017165 $0.007184$	10 10
f	(3, 5) $(3, 5)$	2.0	A4 A10		0.924245 $0.924229$	0.007184	10
f	(3, 5)	2.0	A10 A9		0.924229 $0.924215$	0.013530	10
f	(3, 5)	2.0	A7		0.924081	0.013381	10
f	(3, 5)	2.0	A4		0.923935	0.019593	10
f	(3,5)	2.0	A8		0.923882	0.022089	10
f	(2, 4)	5.0	A7		0.923833	0.025725	10
f	(2, 4)	10.0	A2		0.923054	0.020956	10
f	(3, 5)	2.0	A6		0.922582	0.028855	10
f	(3, 5)	2.0	A3		0.922193	0.021833	10
f f	(3, 5)	5.0 10.0	A8 A9		0.922073 $0.922019$	0.011287 $0.015776$	10 10
f	(2, 4) $(3, 5)$	5.0	A9 A7	0.01	0.922019 $0.921902$	0.013770 $0.021752$	10
f	(3, 5)	5.0	A9	0.01	0.921697	0.021732	10
f	(2, 4)	10.0	A10		0.920936	0.028292	10
f	(2,4)	2.0	A1		0.920824	0.020196	10
f	(3, 5)	5.0	A1		0.920766	0.013266	10
f	(3, 5)	5.0	A3		0.920682	0.014405	10
f	(2, 4)	5.0	A3		0.920198	0.022563	10
f	(2, 4)	5.0	A9		0.920136	0.021880	10
f f	(2, 4)	10.0	A6		0.919987	0.026256	10
f	(2, 4) $(2, 4)$	2.0 10.0	A10 A7		0.919505 $0.919061$	$\begin{array}{c c} 0.010120 \\ 0.014802 \end{array}$	10 10
f	(2, 4) $(2, 4)$	2.0	A2		0.919001 $0.918874$	0.014802	10
f	(2,4)	10.0	A3		0.918510	0.010400	10
f	(2, 4)	2.0	A5		0.918124	0.013443	10
f	(2, 4)	5.0	A5		0.918013	0.022310	10
f	(2, 4)	5.0	A10		0.917829	0.014543	10
f	(2, 4)	5.0	A2		0.917486	0.017510	10
f	(3, 5)	2.0	A2		0.917226	0.030801	10
f	(3, 5)	2.0	A1		0.916850	0.012327	10
f f	(2, 4)	5.0	A4		0.916701	0.018172	10
f	(2, 4) $(2, 4)$	$5.0 \\ 2.0$	A6 A4		0.916469 $0.916440$	$\begin{array}{c c} 0.025270 \\ 0.011721 \end{array}$	10 10
f	(2, 4) $(2, 4)$	2.0	A8		0.910440 $0.914247$	0.011721 $0.021723$	10
f	(2,4)	5.0	A1		0.913793	0.011725	10
f	(3, 5)	5.0	A10		0.913400	0.016561	10
f	(2, 4)	2.0	A6		0.912613	0.009792	10
f	(3, 5)	2.0	A5		0.911802	0.017513	10
f	(2, 4)	5.0	A8		0.911788	0.012494	10
f	(2, 4)	2.0	A7		0.911453	0.012818	10
f	(2, 4)	10.0	A4		0.911306	0.010494	10
f m	(2, 4)	2.0	A9		0.909632	0.017088	10 10
m f	(2, 4) $(2, 4)$	2.0	A3		0.908230 $0.908107$	0.013860 $0.009691$	10
f	(2, 4) $(2, 4)$	10.0	AS A8		0.904821	0.003031	10
1 -	(-, -)	1 -0.0	1 110	I	1 0.00 1021	1 2.2.2.2000	1 -~

Algorithm	k	r	aggregation	Level of missing values	auc	stddev	Cross validation
1	(2 =)	<u> </u>	1	Imssing values			<u> </u>
m	(3, 5)	10.0	1.0		0.903331	0.003487	10
f f	(2, 4)	10.0	A9		0.909996	0.010219	10 10
f	(3, 5)	5.0 10.0	A9 A9		0.908874 0.908823	0.007632 $0.016121$	10
f	(3, 5) $(3, 5)$	5.0	A9 A4		0.906425	0.010121 $0.021687$	10
f	(3, 5)	2.0	A5		0.90425	0.021037 $0.030127$	10
f	(2, 4)	5.0	A1		0.903834	0.009745	10
f	(3, 5)	2.0	A1		0.902541	0.018458	10
f	(3, 5)	10.0	A6		0.899637	0.010999	10
f	(3,5)	5.0	A5		0.899347	0.012939	10
f	(3,5)	5.0	A2		0.898447	0.000642	10
f	(2, 4)	10.0	A8		0.896507	0.008251	10
f	(2, 4)	5.0	A9		0.895749	0.012020	10
f	(2, 4)	10.0	A3		0.894761	0.006188	10
f	(3, 5)	5.0	A10		0.894568	0.003805	10
f	(3, 5)	10.0	A3		0.893736	0.016569	10
f	(3, 5)	2.0	A8		0.891757	0.019408	10
f	(3, 5)	5.0	A7		0.891370	0.032301	10
f f	(2, 4)	5.0 10.0	A4 A2		0.890633 0.890487	0.026183 $0.021924$	10 10
f	(2, 4)	5.0	A2 A7		0.890487	0.021924 $0.009954$	10
f	(2, 4) $(3, 5)$	10.0	A7		0.890001 $0.889917$	0.009954 $0.015007$	10
f	(2,4)	5.0	A5		0.889093	0.013007 $0.021759$	10
f	(3, 5)	10.0	A5		0.888684	0.014931	10
f	(3, 5)	10.0	A10		0.887577	0.002149	10
f	(2, 4)	2.0	A7	0.05	0.887086	0.030614	10
f	(3,5)	10.0	A1		0.887034	0.001768	10
f	(3, 5)	2.0	A3		0.885261	0.012609	10
f	(2, 4)	2.0	A1		0.884373	0.006715	10
f	(2, 4)	10.0	A1		0.884076	0.015996	10
f	(2, 4)	10.0	A7		0.883636	0.018402	10
f	(3, 5)	5.0	A3		0.882196	0.006290	10
f	(2, 4)	2.0	A5		0.881876	0.015350	10
f	(3, 5)	10.0	A8		0.881217	0.023190	10
f f	(2, 4)	5.0 2.0	A10 A10		$0.880860 \\ 0.880172$	$\begin{array}{c c} 0.011018 \\ 0.015102 \end{array}$	10 10
f	(2, 4) $(2, 4)$	5.0	A10 A2		0.879258	0.013102 $0.009696$	10
f	(2, 4) $(3, 5)$	5.0	A2 A1		0.877637	0.009090	10
f	(2, 4)	5.0	A6		0.874888	0.009670	10
f	(3, 5)	2.0	A6		0.874772	0.017462	10
f	(2, 4)	10.0	A4		0.874284	0.030669	10
f	(3,5)	10.0	A2		0.873278	0.004874	10
f	(3, 5)	5.0	A6		0.872756	0.023840	10
f	(2, 4)	10.0	A10		0.872750	0.011476	10
f	(3, 5)	2.0	A7		0.870365	0.029262	10
f	(3, 5)	2.0	A9		0.870118	0.000754	10
f	(2, 4)	10.0	A6		0.869515	0.009312	10
f	(2, 4)	5.0	A8		0.869506	0.030200	10
f	(3, 5)	2.0	A10		0.867011	0.000426	10
f	(3, 5)	5.0	A8		0.867003	0.000722	10
f f	(2, 4)	5.0 10.0	A3 A5		$\begin{array}{ c c c c c c }\hline 0.866231 \\ 0.866224 \\ \hline \end{array}$	0.021549 $0.004953$	10 10
f	(2, 4) $(2, 4)$	2.0	A5 A4		0.866224 $0.863202$	0.004953 $0.042111$	10
f	(2, 4) $(3, 5)$	2.0	A4 A2		0.860092	0.042111 $0.001127$	10
f	(3, 5)	10.0	A4		0.859384	0.001127	10
f	(2, 4)	2.0	A6		0.859113	0.005545	10
f	(3, 5)	2.0	A4		0.859054	0.001960	10
f	(2, 4)	2.0	A2		0.855500	0.002826	10
f	(2,4)	2.0	A8		0.850269	0.002097	10
f	(2, 4)	2.0	A9		0.828237	0.025767	10
m	(3, 5)				0.827081	0.014684	10
f	(2, 4)	2.0	A3		0.826875	0.031105	10
•		•	•	•	•	•	•

Algorithm	k	r	aggregation	Level of	auc	stddev	Cross validation
	<u> </u>	<u> </u>		missing values			
m	(2, 4)	40.0	1.2		0.810356	0.010351	10
f f	(3, 5)	10.0 5.0	A5 A7		0.849841 $0.827062$	0.022888 $0.019278$	10 10
f	(2, 4) $(2, 4)$	10.0	A10		0.827002	0.019278 $0.001959$	10
f	(2, 4) $(2, 4)$	2.0	A10 A5		0.819301	0.001939 $0.015913$	10
f	(3, 5)	10.0	A3		0.816649	0.013313 $0.034307$	10
f	(3, 5)	2.0	A1		0.814872	0.007662	10
f	(2, 4)	5.0	A6		0.811967	0.001466	10
f	(3,5)	10.0	A4		0.809102	0.033613	10
f	(2,4)	10.0	A3		0.808953	0.022163	10
f	(3, 5)	10.0	A7		0.807806	0.005233	10
f	(2, 4)	5.0	A1		0.806779	0.003356	10
f	(3, 5)	5.0	A1		0.805250	0.002478	10
f	(3, 5)	5.0	A4		0.803149	0.030822	10
f	(2, 4)	5.0	A9		0.802181	0.033722	10
f	(2, 4)	10.0	A1		0.801600	0.029335	10
f	(3, 5)	2.0	A9		0.801520	0.030950	10
f	(3, 5)	2.0	A4		0.801221	0.043684	10
f f	(3, 5)	10.0	A6		0.801189	$0.021162 \\ 0.014426$	10
f	(3, 5) $(2, 4)$	5.0 5.0	A3 A5		0.798461 $0.797693$	0.014426 $0.009771$	10 10
f	(2, 4) $(2, 4)$	10.0	A5		0.796973	0.009771	10
f	(3, 5)	5.0	A2		0.796523	0.021400 $0.028157$	10
f	(3, 5)	10.0	A9		0.796121	0.034406	10
f	(3, 5)	2.0	A8		0.796108	0.072851	10
f	(2, 4)	2.0	A9		0.793282	0.027936	10
f	(2, 4)	10.0	A6		0.792419	0.007011	10
f	(3,5)	5.0	A6		0.792029	0.020157	10
f	(3, 5)	5.0	A8		0.790779	0.014743	10
f	(2, 4)	10.0	A2		0.788992	0.022751	10
f	(3, 5)	5.0	A10		0.788683	0.006971	10
f	(2, 4)	5.0	A3	0.1	0.788275	0.061147	10
f	(3, 5)	2.0	A3	0.1	0.787006	0.001668	10
f	(3, 5)	10.0	A10		0.783184	0.038563	10
f c	(3, 5)	5.0	A5		0.783004	0.040517	10
f f	(2, 4)	5.0 10.0	A10 A2		0.782921 $0.781392$	0.002671 $0.035178$	10 10
f	(3, 5) $(3, 5)$	5.0	A2 A7		0.781392	0.035178 $0.017551$	10
f	(2, 4)	2.0	A8		0.781120	0.017331	10
f	(3, 5)	2.0	A2		0.778436	0.013515	10
f	(3, 5)	2.0	A10		0.778098	0.029083	10
f	(2,4)	5.0	A4		0.777582	0.005062	10
f	(2, 4)	5.0	A2		0.776026	0.048744	10
f	(2, 4)	5.0	A8		0.775432	0.029757	10
f	(3, 5)	10.0	A1		0.772878	0.059376	10
f	(2, 4)	10.0	A9		0.772687	0.046112	10
f	(3, 5)	10.0	A8		0.772506	0.017203	10
f	(3, 5)	2.0	A6		0.770357	0.044734	10
f	(2, 4)	2.0	A3		0.769899	0.008099	10
f f	(2, 4)	10.0	A4		0.768897	0.022142	10
f	(3, 5)	5.0	A9 A7		0.768844 $0.767983$	$\begin{array}{c} 0.014022 \\ 0.005290 \end{array}$	10 10
f	(2, 4)	2.0 2.0	A6		0.765664	0.005290 $0.021310$	10
f	(2, 4) $(2, 4)$	2.0	A0 A2		0.765504 $0.765512$	0.021310	10
f	(2, 4) $(2, 4)$	2.0	A10		0.763512 $0.763537$	0.034083	10
f	(2, 4)	10.0	A8		0.762165	0.040331 $0.005525$	10
f	(2, 1)	2.0	A1		0.760442	0.010317	10
f	(3, 5)	2.0	A7		0.756999	0.025814	10
f	(2, 4)	10.0	A7		0.755242	0.049589	10
f	(3,5)	2.0	A5		0.751039	0.011443	10
f	(2, 4)	2.0	A4		0.744506	0.061089	10
m	(3, 5)				0.739695	0.008646	10

Algorithm	k	r	aggregation	Level of missing values	auc	stddev	Cross validation
	()	1		illissing values	<u> </u>		
m	(2, 4)		A =		0.725134	0.004731	10
f f	(3, 5)	5.0	A7 A4		0.676604 0.661415	0.036310	10 10
f	(3, 5)	10.0 5.0	A4 A10		0.601415 $0.646354$	0.048663 $0.032056$	10
f	(2, 4) $(3, 5)$	2.0	A10 A10		0.643567	0.032030 $0.011339$	10
f	(3, 5)	5.0	A10		0.643507 $0.643522$	0.011333	10
f	(3, 5)	5.0	A3		0.643322 $0.642354$	0.011001 $0.021482$	10
f	(3, 5)	10.0	A5		0.642302	0.045345	10
f	(3, 5)	10.0	A1		0.639429	0.019277	10
f	(3, 5)	10.0	A8		0.639347	0.028309	10
m	(2, 4)				0.637823	0.018715	10
f	(3, 5)	5.0	A6		0.636738	0.015518	10
m	(3, 5)				0.634704	0.004943	10
f	(2, 4)	10.0	A4		0.632086	0.017494	10
f	(3, 5)	5.0	A8		0.631972	0.025172	10
f	(3, 5)	10.0	A10		0.629972	0.017408	10
f	(2, 4)	5.0	A9		0.628730	0.048959	10
f	(2, 4)	10.0	A6		0.625020	0.009683	10
f	(3, 5)	2.0	A9		0.624136	0.034387	10
f	(3, 5)	2.0	A1		0.622206	0.023343	10
f f	(3, 5)	2.0	A2		0.622163	0.024134	10
f	(3, 5) $(3, 5)$	10.0	A3 A9		$\begin{array}{c c} 0.617192 \\ 0.616908 \end{array}$	0.020524 $0.034834$	10 10
f	(3, 3) $(2, 4)$	10.0 5.0	A9 A1		0.616396	0.034834 $0.022235$	10
f	(2, 4) $(2, 4)$	2.0	A1 A4		0.616171	0.022233	10
f	(2, 4) $(2, 4)$	5.0	A8		0.615171 $0.615232$	0.029409 $0.007228$	10
f	(3, 5)	2.0	A8		0.614557	0.007228	10
f	(2, 4)	2.0	A7		0.614404	0.039800	10
f	(2, 4)	2.0	A2		0.613494	0.008846	10
f	(2, 4)	2.0	A3		0.612273	0.002324	10
f	(3,5)	5.0	A10		0.611505	0.003773	10
f	(2, 4)	2.0	A8		0.611112	0.014024	10
f	(3, 5)	10.0	A7		0.610016	0.001079	10
f	(2, 4)	5.0	A3		0.609837	0.007561	10
f	(2, 4)	2.0	A10		0.609430	0.018627	10
f	(2, 4)	5.0	A5	0.2	0.609310	0.016500	10
f	(2, 4)	10.0	A10		0.609270	0.029542	10
f	(3, 5)	5.0	A5		0.608512	0.020670	10
f	(2, 4)	5.0	A7		0.608417	0.005905	10
f	(3, 5)	2.0	A7		0.606598	0.008940	10
f	(2, 4)	2.0	A6		0.605479	0.023163	10
f f	(2, 4)	10.0	A9		0.605431	0.013985	10
f	(3, 5) $(3, 5)$	$\frac{2.0}{2.0}$	A6 A4		0.603646 0.603359	0.028471 $0.009204$	10 10
f	(3, 5) $(2, 4)$	$\frac{2.0}{10.0}$	A4 A3		0.603359 $0.603122$	0.009204	10
f	(2, 4) $(3, 5)$	10.0	A6		0.603122 $0.603105$	0.003113	10
f	(3, 3) $(2, 4)$	2.0	A5		0.602968	0.015112 $0.005074$	10
f	(2,4)	10.0	A7		0.601997	0.000074	10
f	(2, 1)	10.0	A5		0.599925	0.030915	10
f	(2, 4)	10.0	A1		0.594645	0.001412	10
f	(3, 5)	5.0	A9		0.594258	0.010798	10
f	(2, 4)	2.0	A9		0.594242	0.001512	10
f	(3, 5)	2.0	A3		0.593341	0.024223	10
f	(3, 5)	2.0	A5		0.590889	0.029395	10
f	(2, 4)	10.0	A2		0.587511	0.013384	10
f	(3, 5)	5.0	A4		0.586953	0.021047	10
f	(2, 4)	5.0	A2		0.586122	0.019876	10
f	(2, 4)	5.0	A4		0.585695	0.000601	10
f	(2, 4)	2.0	A1		0.585430	0.001966	10
f	(2, 4)	5.0	A6		0.584906	0.000085	10
f	(3, 5)	5.0	A2		0.584158	0.018104	10
f	(3, 5)	10.0	A2		0.583321	0.034816	10

Algorithm	k	r	aggregation	Level of missing values	auc	stddev	Cross validation
f	(2, 4)	10.0	A8	<u>                                     </u>	0.582187	0.021329	10
f	(3, 5)	5.0	A6		0.629618	0.021323	10
f	(3, 5)	5.0	A2		0.609603	0.008145	10
f	(2,4)	5.0	A2		0.603960	0.020073	10
m	(2, 4)				0.599423	0.038320	10
f	(3, 5)	10.0	A4		0.599036	0.010526	10
f	(3, 5)	10.0	A10		0.598444	0.049103	10
f	(3, 5)	10.0	A7		0.593901	0.005441	10
f	(2, 4)	10.0	A9		0.593207	0.026745	10
m	(3, 5)	100			0.590771	0.001297	10
f	(3, 5)	10.0	A3		0.590323	0.020931	10
f f	(3, 5)	10.0	A8		0.590154	0.024496	10
f	(3, 5)	5.0	A7		0.589724	0.033370	10 10
f	(3, 5) $(2, 4)$	5.0 5.0	A3 A6		0.586294 $0.583384$	0.016082 $0.008741$	10
f	(2, 4) $(3, 5)$	5.0	A0 A4		0.583364	0.008741 $0.035159$	10
f	(3, 5)	10.0	A1		0.581101	0.033133	10
f	(3, 5)	5.0	A1		0.577467	0.015200 $0.025684$	10
f	(2, 4)	10.0	A1		0.576515	0.025034 0.005772	10
f	(2, 4)	5.0	A5		0.576332	0.032601	10
f	(3, 5)	10.0	A2		0.576082	0.024532	10
f	(3,5)	2.0	A3		0.575809	0.001943	10
f	(3, 5)	5.0	A5		0.575342	0.022408	10
f	(2, 4)	10.0	A3		0.575284	0.001498	10
f	(2, 4)	10.0	A7		0.575020	0.004405	10
f	(2, 4)	10.0	A4		0.574893	0.005193	10
f	(2, 4)	2.0	A1		0.573391	0.006573	10
f	(2, 4)	10.0	A2		0.572315	0.028583	10
f	(2, 4)	5.0	A10	0.0	0.571858	0.012834	10
f	(3, 5)	2.0	A4	0.3	0.571185	0.013156	10
f f	(3, 5)	10.0	A6		0.568598	0.004171	10
f	(3, 5) $(3, 5)$	10.0 5.0	A5 A10		0.568078 $0.566348$	0.009741 $0.018160$	10 10
f	(3, 3) $(2, 4)$	2.0	A10 A8		0.566096	0.013100	10
f	(2, 4) $(2, 4)$	2.0	A6		0.566054	0.042001 $0.009183$	10
f	(3, 5)	2.0	A7		0.565346	0.003103	10
f	(3, 5)	2.0	A2		0.564851	0.014762	10
f	(2, 4)	5.0	A9		0.564808	0.001441	10
f	(2, 4)	5.0	A8		0.564457	0.059589	10
f	(2, 4)	5.0	A7		0.564318	0.014105	10
f	(2, 4)	5.0	A4		0.561994	0.025352	10
f	(3, 5)	5.0	A8		0.561811	0.020058	10
f	(3, 5)	2.0	A5		0.560391	0.008285	10
f	(2, 4)	10.0	A10		0.560124	0.026988	10
f	(2, 4)	5.0	A3		0.559631	0.005721	10
f	(2, 4)	10.0	A5		0.559388	0.029162	10
f f	(2, 4)	5.0	A1		0.556659	0.012348	10
f	(3, 5)	2.0	A8		0.555806	0.001308	10 10
f	(2, 4) $(2, 4)$	2.0 2.0	A4 A9		0.555339 $0.553298$	$0.011260 \\ 0.004966$	10
f	(2, 4) $(3, 5)$	$\frac{2.0}{2.0}$	A10		0.555298 $0.552773$	0.004900 $0.012122$	10
f	(3, 5)	2.0	A10 A6		0.552113	0.012122 $0.012192$	10
f	(3, 5)	2.0	A9		0.551533	0.012132	10
f	(2, 4)	2.0	A5		0.549405	0.002216	10
f	(3, 5)	10.0	A9		0.546839	0.017011	10
f	(2, 4)	10.0	A6		0.545467	0.002013	10
f	(2,4)	2.0	A2		0.544907	0.003550	10
f	(2, 4)	2.0	A7		0.544519	0.009761	10
f	(2, 4)	2.0	A10		0.540713	0.009778	10
f	(3, 5)	5.0	A9		0.537158	0.005351	10
f	(2, 4)	10.0	A8		0.534126	0.031923	10
f	(3, 5)	2.0	A1		0.532848	0.005179	10

Algorithm	k	r	aggregation	Level of missing values	auc	stddev	Cross validation
f	   (9, 4)	2.0	A3	l missing varies	   0 533530	0.013332	10
f	(2, 4) $(2, 4)$	10.0	A8		$\begin{array}{c} 0.532539 \\ 0.587126 \end{array}$	0.013532	10
f	(3, 5)	10.0	A3		0.576326	0.012580	10
f	(3, 5)	10.0	A9		0.575664	0.028674	10
f	(2, 4)	10.0	A7		0.575582	0.018825	10
f	(2, 4)	10.0	A4		0.574615	0.000412	10
m	(3,5)				0.574042	0.006078	10
f	(3,5)	2.0	A5		0.572302	0.025611	10
f	(3, 5)	5.0	A2		0.569744	0.028659	10
f	(3, 5)	5.0	A6		0.568930	0.024055	10
f	(2, 4)	10.0	A3		0.568294	0.004621	10
f	(2, 4)	10.0	A1		0.567243	0.014352	10
f	(3, 5)	10.0	A7		0.563896	0.016365	10
f	(2, 4)	5.0	A2		0.560449	0.022877	10
f	(2, 4)	5.0	A1		0.559874	0.008212	10
m	(2, 4)	0.0	4.0		0.559314	0.010667	10
f f	(3, 5)	2.0 10.0	A9 A1		0.559135 $0.558374$	0.007394 $0.013917$	10 10
f	(3, 5) $(2, 4)$	2.0	A1 A4		0.558574 $0.557320$	0.013917	10
f	(3, 5)	5.0	A4 A4		0.557320 $0.557060$	0.000313	10
f	(3, 5)	10.0	A5		0.556529	0.014438 $0.022087$	10
f	(3, 5)	10.0	A10		0.556492	0.022037 $0.020252$	10
f	(3, 5)	5.0	A10		0.554526	0.026985	10
f	(2, 4)	5.0	A6		0.553373	0.021877	10
f	(2,4)	5.0	A5		0.552202	0.016167	10
f	(2, 4)	10.0	A9		0.551684	0.000286	10
f	(2, 4)	10.0	A6		0.551429	0.009158	10
f	(2, 4)	2.0	A7		0.550952	0.008966	10
f	(3, 5)	2.0	A10	0.4	0.550325	0.009795	10
f	(3, 5)	5.0	A8		0.550145	0.051782	10
f	(2, 4)	10.0	A5		0.549605	0.000740	10
f	(3, 5)	2.0	A6		0.548908	0.015115	10
f	(3, 5)	2.0	A1		0.548430	0.007205	10
f	(2, 4)	5.0	A3		0.546628	0.022237	10
f f	(2, 4)	5.0	A8		0.545920	0.021804	10
f	(3, 5) $(3, 5)$	10.0 10.0	A3 A6		0.545804 $0.543753$	0.036766 0.014846	10 10
f	(2, 4)	5.0	A10		0.541401	0.014840 $0.025911$	10
f	(2,4)	5.0	A4		0.540967	0.023311 $0.053230$	10
f	(3, 5)	10.0	A4		0.540235	0.010691	10
f	(2, 4)	2.0	A9		0.539586	0.008339	10
f	(3,5)	5.0	A5		0.539574	0.034712	10
f	(3, 5)	2.0	A2		0.539383	0.018690	10
f	(2, 4)	10.0	A2		0.539352	0.020340	10
f	(3, 5)	10.0	A8		0.538929	0.033957	10
f	(3, 5)	5.0	A3		0.538789	0.009339	10
f	(3, 5)	5.0	A1		0.538020	0.019249	10
f	(2, 4)	10.0	A10		0.536634	0.003432	10
f	(2, 4)	5.0	A9		0.535379	0.045057	10
f f	(3, 5)	5.0	A7		0.534847	0.013267	10
f	(3, 5)	2.0	A7		0.534211	0.000229	10
f	(2, 4) $(2, 4)$	2.0 2.0	A8 A6		$0.534160 \\ 0.533356$	0.017653 $0.010843$	10 10
f	(2, 4) $(2, 4)$	2.0	A0 A3		0.532766	0.010843	10
f	(2, 4) $(2, 4)$	2.0	A10		0.532700	0.010139	10
f	(2, 4)	2.0	A1		0.529352	0.005351	10
f	(2, 4)	5.0	A7		0.528659	0.003331	10
f	(3, 5)	2.0	A4		0.528012	0.001333	10
f	(2, 4)	2.0	A2		0.527015	0.007363	10
f	(3,5)	5.0	A9		0.525251	0.030412	10
f	(3, 5)	2.0	A3		0.524227	0.006021	10
f	(2, 4)	2.0	A5		0.520010	0.002110	10
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Algorithm	k	r	aggregation	Level of	auc	stddev	Cross
				missing values			validation
f	(3, 5)	2.0	A8		0.516472	0.015541	10
f	(3, 5)	5.0	A5		0.579166	0.026003	10
f	(3, 5)	10.0	A6		0.570152	0.021628	10
f f	(2, 4)	5.0 10.0	A6 A5		0.562198 $0.560882$	0.000471 $0.032939$	10 10
f	(3, 5) $(2, 4)$	10.0	A5 A7		0.500862 $0.555434$	0.032939 $0.006934$	10
m	(2, 4) $(2, 4)$	10.0	Ai		0.553434 $0.553748$	0.000934 $0.004373$	10
f	(3, 5)	5.0	A2		0.553427	0.009130	10
f	(3, 5)	5.0	A6		0.552585	0.021882	10
m	(3,5)				0.551379	0.006685	10
f	(3, 5)	5.0	A4		0.550014	0.012068	10
f	(3, 5)	10.0	A4		0.546287	0.002526	10
f	(3, 5)	10.0	A8		0.546210	0.018230	10
f	(2, 4)	10.0	A8		0.544205	0.010127	10
f	(2, 4)	2.0	A9		0.543236	0.011119	10
f f	(3, 5)	2.0 5.0	A3 A8		0.541396 $0.540886$	0.012141 $0.006881$	10 10
f	(3, 5) $(3, 5)$	5.0	A10		0.540880 $0.540731$	0.00681 $0.006906$	10
f	(3, 5)	2.0	A10 A2		0.540668	0.010365	10
f	(3, 5)	10.0	A9		0.540582	0.000075	10
f	(3, 5)	10.0	A3		0.540286	0.006324	10
f	(2, 4)	2.0	A7		0.539757	0.005328	10
f	(3, 5)	5.0	A9		0.538213	0.027916	10
f	(2, 4)	5.0	A2		0.538009	0.006397	10
f	(3, 5)	10.0	A1		0.537822	0.000670	10
f	(2, 4)	2.0	A10		0.537218	0.034145	10
f f	(3, 5)	2.0 2.0	A9 A6		0.536638 $0.536611$	$\begin{array}{c} 0.027848 \\ 0.004615 \end{array}$	10 10
f	(3, 5) $(2, 4)$	10.0	A0 A3		0.535011 $0.535709$	0.004613 $0.000692$	10
f	(2,4)	5.0	A1		0.535432	0.000032 $0.019431$	10
f	(2, 4)	10.0	A5		0.534963	0.033978	10
f	(2,4)	10.0	A9	0.5	0.530810	0.048026	10
f	(2, 4)	10.0	A10		0.530490	0.000906	10
f	(3, 5)	2.0	A10		0.530384	0.009223	10
f	(3, 5)	5.0	A3		0.530013	0.023329	10
f	(3, 5)	10.0	A7		0.529347	0.017254	10
f f	(2, 4)	2.0 10.0	A4 A4		0.529048 $0.528485$	0.019653 $0.006351$	10 10
f	(2, 4) $(2, 4)$	10.0	A4 A6		0.526465 $0.526771$	0.000351 $0.015255$	10
f	(2,4)	5.0	A3		0.525771 $0.525877$	0.015255 $0.007126$	10
f	(3, 5)	5.0	A7		0.525523	0.012396	10
f	(2, 4)	5.0	A5		0.525309	0.005166	10
f	(3, 5)	2.0	A5		0.525121	0.015940	10
f	(2, 4)	5.0	A7		0.525106	0.006199	10
f	(2, 4)	10.0	A2		0.523993	0.017484	10
f	(2, 4)	10.0	A1		0.523791	0.023338	10
f f	(3, 5)	2.0	A4		0.523560	0.006276	10
f	(3, 5) $(3, 5)$	5.0 10.0	A1 A10		$\begin{array}{c} 0.523501 \\ 0.522726 \end{array}$	0.005491 $0.022735$	10 10
f	(2, 4)	2.0	A10 A6		0.522120 $0.522630$	0.022733 $0.029767$	10
f	(2, 1)	5.0	A10		0.522394	0.005914	10
f	(2,4)	2.0	A8		0.522374	0.023538	10
f	(2, 4)	5.0	A4		0.522248	0.003531	10
f	(2, 4)	2.0	A2		0.521508	0.003443	10
f	(2, 4)	5.0	A8		0.521014	0.005269	10
f	(3, 5)	2.0	A8		0.518802	0.014249	10
f	(3, 5)	10.0	A2		0.518762	0.012303	10
f f	(3, 5)	2.0	A1		0.517993	0.002444	10
f	(3, 5) $(2, 4)$	$\frac{2.0}{2.0}$	A7 A5		$\begin{array}{c} 0.512866 \\ 0.512332 \end{array}$	0.001299 $0.007330$	10 10
f	(2, 4) $(2, 4)$	5.0	A9		0.512532 $0.511690$	0.007330 $0.018293$	10
f	(2, 1)	2.0	A1		0.509971	0.010235 $0.002175$	10
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Algorithm	k	r	aggregation	Level of missing values	auc	$\operatorname{stddev}$	Cross validation
f	(2, 4)	2.0	A3		0.509058	0.012037	10