Table 1: Results of seeds dataset

Algorithm	k	r	aggregation	Level of missing values	auc	stddev	Cross validation
f	 (9 F)	1 20	 A 1	l missing varaes	 0.000000	0.006444	
f	(3, 5) $(3, 5)$	2.0 5.0	A1 A1		0.986990 0.986990	0.026444 0.026444	10 10
f	(3, 5)	10.0	A1		0.986990	0.026444	10
f	(3, 5)	2.0	A1 A2		0.986990	0.026444 0.026444	10
f	(3, 5)	5.0	A2 A2		0.986990	0.026444	10
f	(3, 5)	10.0	A2		0.986990	0.026444	10
f	(3, 5)	2.0	A3		0.986990	0.026444	10
f	(3, 5)	5.0	A3		0.986990	0.026444	10
f	(3,5)	10.0	A3		0.986990	0.026444	10
f	(3, 5)	2.0	A4		0.986990	0.026444	10
f	(3, 5)	5.0	A4		0.986990	0.026444	10
f	(3,5)	10.0	A4		0.986990	0.026444	10
f	(3, 5)	2.0	A5		0.986990	0.026444	10
f	(3, 5)	5.0	A5		0.986990	0.026444	10
f	(3, 5)	10.0	A5		0.986990	0.026444	10
f	(3, 5)	2.0	A6		0.986990	0.026444	10
f	(3, 5)	5.0	A6		0.986990	0.026444	10
f	(3, 5)	10.0	A6		0.986990	0.026444	10
f	(3, 5)	2.0	A7		0.986990	0.026444	10
f	(3, 5)	5.0	A7		0.986990	0.026444	10
f	(3, 5)	10.0	A7		0.986990	0.026444	10
f	(3, 5)	2.0	A8		0.986990	0.026444	10
f	(3, 5)	5.0	A8		0.986990	0.026444	10
f	(3, 5)	10.0	A8		0.986990	0.026444	10
f	(3, 5)	2.0	A10		0.986990	0.026444	10
f	(3, 5)	5.0	A10		0.986990	0.026444	10
f	(3, 5)	10.0	A10 A10		0.986990	0.026444	10
m	(3, 5)	10.0	AIU	0.0	0.986990	0.026444	10
f	(3, 5)	2.0	A9	0.0	0.986310	0.026444	10
f	(3, 5)	5.0	A9		0.986310	0.026158	10
f	(3, 5)	10.0	A9		0.986310	0.026158	10
f	(2, 4)	2.0	A1		0.980669	0.020136	10
f	(2, 4)	5.0	A1		0.980669	0.038136	10
f	(2, 4)	10.0	A1		0.980669	0.038136	10
f	(2, 4)	2.0	A2		0.980669	0.038136	10
f	(2, 4)	5.0	A2		0.980669	0.038136	10
f	(2, 4)	10.0	A2		0.980669	0.038136	10
f	(2, 4)	2.0	A3		0.980669	0.038136	10
f	(2, 4)	5.0	A3		0.980669	0.038136	10
f	(2, 4)	10.0	A3		0.980669	0.038136	10
f	(2, 4)	2.0	A4		0.980669	0.038136	10
f	(2, 4)	5.0	A4		0.980669	0.038136	10
f	(2,4)	10.0	A4 A4		0.980669	0.038136	10
f	(2,4)	2.0	A5		0.980669	0.038136	10
f	(2,4)	5.0	A5		0.980669	0.038136	10
f	(2, 4)	10.0	A5		0.980669	0.038136	10
f	(2, 4)	2.0	A6		0.980669	0.038136	10
f	(2, 4)	5.0	A6		0.980669	0.038136	10
f	(2, 1)	10.0	A6		0.980669	0.038136	10
f	(2, 1)	2.0	A7		0.980669	0.038136	10
f	(2, 1)	5.0	A7		0.980669	0.038136	10
f	(2, 4)	10.0	A7		0.980669	0.038136	10
f	(2, 4)	2.0	A8		0.980669	0.038136	10
f	(2, 4)	5.0	A8		0.980669	0.038136	10
f	(2, 4)	10.0	A8		0.980669	0.038136	10
f	(2, 4)	2.0	A9		0.980669	0.038136	10
f	(2, 4)	5.0	A9		0.980669	0.038136	10
f	(2, 4)	10.0	A9		0.980669	0.038136	10
f	(2, 4)	2.0	A10		0.980669	0.038136	10
f	(2, 4)	5.0	A10		0.980669	0.038136	10
f	(2, 4)	10.0	A10		0.980669	0.038136	10
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Algorithm	k	r	aggregation	Level of	auc	stddev	Cross
				missing values	<u> </u>		validation
m	(2, 4)				0.980669	0.038136	10
f	(3, 5)	5.0	A10		0.988520	0.021307	10
f	(3, 5)	2.0	A9		0.987415	0.022806	10
f	(3, 5)	5.0	A2		0.987132	0.023658	10
f	(3, 5)	2.0	A2		0.986990	0.026444	10
f f	(3, 5)	2.0	A8 A1		0.986990 0.986650	0.026444 0.034014	10 10
f	(3, 5) $(3, 5)$	10.0 10.0	A1 A2		0.986536	0.034014 0.025794	10
f	(3, 5)	5.0	A7		0.986310	0.023794 0.028147	10
f	(3, 5)	5.0	A1		0.985969	0.028029	10
f	(3, 5)	2.0	A7		0.985799	0.028649	10
f	(3, 5)	2.0	A4		0.985771	0.026372	10
f	(3,5)	10.0	A7		0.985714	0.026749	10
f	(3, 5)	10.0	A8		0.985629	0.028561	10
f	(3, 5)	5.0	A5		0.985544	0.028551	10
f	(3, 5)	2.0	A6		0.985544	0.026203	10
f	(3, 5)	5.0	A4		0.985091	0.030038	10
f	(3, 5)	5.0	A6		0.985006	0.027309	10
f	(3, 5)	2.0	A5		0.984921	0.028945	10
f	(3, 5)	5.0	A3		0.984921	0.030572	10
f f	(3, 5) $(2, 4)$	$\frac{2.0}{2.0}$	A1 A10	0.01	0.984864 0.984410	0.029722 0.031283	10 10
f	(2, 4) $(3, 5)$	10.0	A10 A10	0.01	0.984297	0.031263 0.027553	10
f	(3, 5)	10.0	A10 A3		0.983957	0.027333	10
f	(3, 5)	10.0	A6		0.983815	0.028396	10
f	(3, 5)	5.0	A9		0.983702	0.025405	10
f	(2, 4)	5.0	A3		0.983022	0.030388	10
f	(3,5)	10.0	A5		0.982993	0.027714	10
f	(3, 5)	10.0	A4		0.982738	0.026998	10
f	(2, 4)	10.0	A3		0.982710	0.035960	10
f	(2, 4)	5.0	A7		0.982681	0.033138	10
f	(2, 4)	2.0	A2		0.982511	0.035408	10
f	(3, 5)	10.0	A9		0.982313	0.032508	10
f	(2, 4)	2.0	A3		0.982029	0.036749	10
$\begin{array}{cccc} & & f \\ & f \end{array}$	(2, 4)	5.0	A5		0.982029	0.035401	10
f	(2, 4) $(2, 4)$	2.0 10.0	A8 A2		0.981491 0.981349	0.033445 0.037012	10 10
f	(2, 4) $(2, 4)$	5.0	A2 A4		0.981349 0.981207	0.037012 0.035657	10
f	(3, 5)	5.0	A8		0.981122	0.030606	10
m	(3, 5)	0.0	110		0.980811	0.037916	10
f	(3, 5)	2.0	A3		0.980811	0.029708	10
f	(2, 4)	2.0	A4		0.980584	0.035735	10
f	(2, 4)	10.0	A8		0.980499	0.034981	10
f	(2, 4)	2.0	A6		0.980471	0.040124	10
f	(2, 4)	10.0	A6		0.980159	0.040616	10
f	(3, 5)	2.0	A10		0.979932	0.035392	10
f	(2, 4)	5.0	A10		0.979932	0.038970	10
f f	(2, 4)	10.0	A4		0.979649	0.037695	10
f	(2, 4) $(2, 4)$	10.0 10.0	A5 A9		0.979478 0.979478	0.035495 0.037988	10 10
f	(2, 4) $(2, 4)$	5.0	A9 A8		0.979478	0.037988	10
f	(2, 4) $(2, 4)$	5.0	A3		0.979035	0.041309 0.039954	10
f	(2, 1)	5.0	A6		0.978968	0.037450	10
m	(2, 4)		_		0.978458	0.022053	10
f	(2,4)	5.0	A9		0.977806	0.043088	10
f	(2, 4)	10.0	A10		0.977579	0.047118	10
f	(2, 4)	10.0	A1		0.977268	0.046057	10
f	(2, 4)	2.0	A5		0.977268	0.047797	10
f	(2, 4)	2.0	A1		0.976729	0.047952	10
f	(2, 4)	10.0	A7		0.976417	0.037789	10
f f	(2, 4)	5.0	A1		0.974575 0.973384	0.045054	10
1	(2, 4)	2.0	A7		0.975384	0.048868	10

Algorithm	k	r	aggregation	Level of	auc	stddev	Cross
				missing values			validation
f	(2, 4)	2.0	A9		0.970720	0.061912	10
f	(3, 5)	5.0	A7		0.989427	0.018866	10
f	(3, 5)	5.0	A10		0.987472	0.022883	10
f	(2, 4)	10.0	A9		0.985828	0.023529	10
f f	(3, 5)	10.0	A10		0.985261	0.031201	10
f f	(3, 5)	$5.0 \\ 2.0$	A6 A3		0.985147 0.984779	0.026430 0.026512	10 10
f	(3, 5) $(2, 4)$	10.0	A3		0.984779	0.020312	10
f	(3, 5)	10.0	A9		0.984297	0.023000	10
f	(2, 4)	2.0	A7		0.984042	0.021761	10
f	(3, 5)	10.0	A4		0.983730	0.031703	10
f	(2, 4)	5.0	A3		0.983560	0.029797	10
f	(3,5)	10.0	A8		0.982880	0.030799	10
f	(3, 5)	5.0	A8		0.981973	0.028005	10
f	(3, 5)	10.0	A6		0.981689	0.033299	10
f	(3, 5)	2.0	A5		0.981406	0.034348	10
f	(3, 5)	2.0	A7		0.981378	0.030797	10
f	(2, 4)	10.0	A2		0.981009	0.037543	10
f	(3, 5)	10.0	A7		0.980074	0.026778	10
f	(3, 5)	5.0	A9		0.979960	0.031444	10
f f	(2, 4)	5.0	A2		0.979904	0.029929	10
f	(3, 5)	$2.0 \\ 2.0$	A6 A10		0.979790	0.034037 0.034702	10 10
f	(3, 5) $(2, 4)$	$\frac{2.0}{5.0}$	A10 A10		0.979734 0.979422	0.034702 0.027870	10
f	(2, 4) $(3, 5)$	10.0	A10		0.979422 0.979110	0.021810	10
f	(2, 4)	5.0	A1	0.05	0.978656	0.031040	10
f	(2, 1)	10.0	A5	0.00	0.978656	0.038185	10
f	(2, 4)	2.0	A5		0.978628	0.027708	10
f	(3,5)	2.0	A1		0.978430	0.043674	10
f	(3, 5)	2.0	A8		0.978345	0.038055	10
f	(3, 5)	2.0	A2		0.978146	0.050540	10
f	(2, 4)	5.0	A6		0.977778	0.036312	10
f	(3, 5)	2.0	A4		0.976871	0.041967	10
f	(3, 5)	5.0	A5		0.976786	0.031251	10
f	(3, 5)	2.0	A9		0.976729	0.039746	10
f	(3, 5)	5.0	A4		0.976361	0.042320	10
f f	(2, 4)	5.0	A5		0.975964	0.045246	10
f	(2, 4)	5.0 5.0	A4 A2		0.975454 0.975397	0.044911 0.032163	10 10
f	(3, 5) $(2, 4)$	5.0	A7		0.975085	0.032103 0.025792	10
f	(2,4)	2.0	A8		0.974660	0.025732	10
f	(2, 4)	10.0	A1		0.974348	0.046293	10
f	(3,5)	5.0	A1		0.974235	0.034230	10
f	(2, 4)	10.0	A10		0.974178	0.032620	10
f	(2, 4)	10.0	A8		0.973951	0.035319	10
f	(2, 4)	2.0	A1		0.973895	0.033273	10
f	(2, 4)	10.0	A7		0.973639	0.043063	10
f	(2, 4)	5.0	A9		0.971939	0.047722	10
f	(3, 5)	10.0	A5		0.971032	0.053083	10
f f	(2, 4)	2.0	A3		0.970607	0.053370	10
f	(3, 5)	10.0 2.0	A2 A10		0.969983	0.058525	10
f	(2, 4) $(2, 4)$	$\frac{2.0}{2.0}$	A10 A9		0.969161 0.969019	0.030191 0.043906	10 10
f	(2, 4) $(2, 4)$	2.0	A9 A2		0.968679	0.043900 0.043544	10
f	(3, 5)	10.0	A3		0.967517	0.045344	10
f	(3, 5)	5.0	A3		0.967489	0.044016	10
f	(2, 4)	10.0	A6		0.967432	0.041426	10
f	(2, 4)	2.0	A4		0.967092	0.054681	10
f	(2,4)	10.0	A4		0.965703	0.049388	10
f	(2, 4)	2.0	A6		0.965533	0.057516	10
f	(2, 4)	5.0	A8		0.961480	0.058420	10
m	(3, 5)				0.956406	0.049949	10
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Algorithm	k	r	aggregation	Level of missing values	auc	stddev	Cross validation
		1	1	Imssing values	<u> </u>		
m	(2, 4)				0.952834	0.029949	10
f	(2, 4)	5.0	A6		0.983390	0.042431	10
f f	(3, 5)	2.0	A10		0.982370	0.030367	10
f	(3, 5)	5.0 5.0	A6 A3		0.980499 0.980215	0.032593 0.037450	10 10
f	(3, 5) $(3, 5)$	10.0	A9		0.980215 0.980215	0.037450 0.035221	10
f	(3, 3) $(2, 4)$	10.0	A10		0.980213	0.035221 0.028912	10
f	(2, 4) $(2, 4)$	10.0	A10 A5		0.976927	0.028512 0.028553	10
f	(3,5)	10.0	A1		0.975765	0.048331	10
f	(3, 5)	10.0	A8		0.975312	0.037982	10
f	(2, 4)	5.0	A4		0.974887	0.042416	10
f	(3,5)	10.0	A6		0.974773	0.027709	10
f	(3,5)	10.0	A3		0.974688	0.034342	10
f	(3, 5)	10.0	A4		0.974518	0.043732	10
f	(3, 5)	2.0	A2		0.974178	0.027964	10
f	(2, 4)	2.0	A3		0.974065	0.035613	10
f	(3, 5)	5.0	A10		0.973810	0.026092	10
f	(3, 5)	5.0	A8		0.973356	0.051012	10
f	(3, 5)	5.0	A7		0.973016	0.044182	10
f	(3, 5)	2.0	A8		0.972789	0.033643	10
f	(3, 5)	5.0	A2		0.972137	0.035883	10
f	(3, 5)	10.0	A2		0.971599	0.035448	10
f	(2, 4)	10.0	A4	0.1	0.971259	0.033021	10
f	(3, 5)	10.0	A7	0.1	0.971060	0.042770	10
f	(2, 4)	10.0	A6		0.970748	0.033974	10
f	(2, 4)	5.0	A9		0.970351	0.035443	10
f	(2, 4)	5.0	A3		0.969841	0.041479	10
f f	(3, 5)	5.0	A5		0.969161	0.034620	10 10
f	(2, 4) $(3, 5)$	10.0 2.0	A3 A6		0.969161 0.969133	$0.046246 \\ 0.041484$	10
f	(3, 5)	5.0	A0 A4		0.968906	0.041484	10
f	(2,4)	5.0	A5		0.968537	0.040120 0.038258	10
f	(3, 5)	2.0	A1		0.967999	0.029362	10
f	(3, 5)	5.0	A1		0.967999	0.051696	10
f	(2, 4)	2.0	A7		0.967800	0.032979	10
f	(3, 5)	2.0	A4		0.967772	0.032428	10
f	(2, 4)	2.0	A9		0.966893	0.034009	10
f	(2, 4)	2.0	A4		0.966383	0.041915	10
f	(2, 4)	10.0	A9		0.965675	0.033104	10
f	(2, 4)	10.0	A8		0.965618	0.036085	10
f	(3, 5)	2.0	A7		0.965306	0.052707	10
f	(3, 5)	10.0	A5		0.964824	0.047252	10
f	(3, 5)	10.0	A10		0.964654	0.041409	10
f	(3, 5)	5.0	A9		0.964569	0.057782	10
f	(2, 4)	2.0	A5		0.964569	0.051774	10
f	(3, 5)	2.0	A5		0.964456	0.061095	10
f f	(2, 4)	10.0	A2		0.964371	0.052977	10
f	(2, 4)	5.0	A1		0.964087	0.044211	10
f	(2, 4)	2.0 2.0	A10 A8		0.962982 0.962868	0.046324 0.038011	10 10
f	(2, 4) $(2, 4)$	$\frac{2.0}{2.0}$	A8 A1		0.962868 0.962613	0.038011 0.039095	10
f	(2, 4) $(2, 4)$	10.0	A1 A1		0.962018	0.039093	10
f	(2, 4) $(2, 4)$	2.0	A1 A2		0.962018 0.961650	0.048111 0.051501	10
f	(2, 4) $(3, 5)$	2.0	A2 A3		0.961593	0.031301 0.067574	10
f	(2, 4)	5.0	A7		0.961026	0.007374	10
f	(2,4)	10.0	A7		0.958617	0.047237	10
f	(2,4)	5.0	A8		0.958277	0.054562	10
f	(2, 1)	5.0	A2		0.957511	0.070038	10
f	(2, 4)	5.0	A10		0.954762	0.056281	10
f	(3, 5)	2.0	A9		0.954393	0.043983	10
m	(3,5)				0.943906	0.054975	10
f	(2, 4)	2.0	A6		0.936139	0.077712	10
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Algorithm	k	r	aggregation	Level of	auc	stddev	Cross
				missing values			validation
m	(2, 4)				0.928628	0.061753	10
f	(3, 5)	5.0	A7		0.978571	0.024107	10
f	(3, 5)	10.0	A7		0.972959	0.033923	10
f	(3, 5)	5.0	A6		0.972166	0.040336	10
f f	(3, 5)	5.0	A5		0.971655	0.037099	10 10
f	(3, 5) $(3, 5)$	5.0 2.0	A8 A5		0.969813 0.968991	$0.033296 \\ 0.032026$	10
f	(3, 5)	10.0	AS A8		0.968991	0.032020	10
f	(3, 5)	5.0	A3		0.968764	0.042053	10
f	(3,5)	10.0	A4		0.968311	0.042880	10
f	(2, 4)	10.0	A2		0.966950	0.043231	10
f	(3,5)	10.0	A9		0.966553	0.028303	10
f	(3,5)	10.0	A3		0.966270	0.048062	10
f	(2, 4)	5.0	A7		0.965420	0.041307	10
f	(3, 5)	10.0	A1		0.965306	0.054629	10
f	(3, 5)	10.0	A10		0.965249	0.046336	10
f	(2, 4)	2.0	A2		0.965079	0.044932	10
f	(2, 4)	10.0	A9		0.965023	0.047279	10
f	(2, 4)	10.0	A1		0.964966	0.060883	10
f	(3, 5)	10.0	A6		0.964569	0.036032	10
f f	(2, 4)	2.0	A4		0.963832	0.037710	10
f	(2, 4)	10.0 10.0	A6 A4	0.2	0.963832 0.963492	$0.043026 \\ 0.054774$	10 10
f	(2, 4) $(2, 4)$	5.0	A4 A10	0.2	0.963492 0.963435	0.054774 0.063650	10
f	(2, 4) $(2, 4)$	5.0	A10 A2		0.963433 0.961791	0.065294	10
f	(2,4)	10.0	A3		0.961565	0.058942	10
f	(2, 1)	10.0	A5		0.960828	0.049518	10
f	(3, 5)	10.0	A2		0.960714	0.034849	10
f	(3,5)	2.0	A8		0.960402	0.048142	10
f	(2, 4)	2.0	A8		0.959949	0.051370	10
f	(2, 4)	10.0	A7		0.959892	0.060314	10
f	(3, 5)	5.0	A9		0.959836	0.043523	10
f	(2, 4)	2.0	A3		0.959694	0.045345	10
f	(3, 5)	10.0	A5		0.959354	0.066307	10
f	(2, 4)	5.0	A6		0.959014	0.046488	10
f	(3, 5)	5.0	A4		0.958844	0.061234	10
f f	(3, 5)	2.0	A7		0.958503	0.052487	10
f	(2, 4) $(2, 4)$	10.0 10.0	A10 A8		0.958107 0.957029	0.050519 0.042826	10 10
f	(2, 4) $(2, 4)$	5.0	A6 A4		0.957029 0.956349	0.042820	10
f	(2,4)	5.0	A5		0.955244	0.005450 0.035687	10
f	(3, 5)	2.0	A6		0.954734	0.057884	10
f	(2, 4)	2.0	A9		0.953741	0.058841	10
f	(3,5)	2.0	A2		0.953685	0.049810	10
f	(2,4)	2.0	A1		0.953231	0.038241	10
f	(3, 5)	5.0	A10		0.952948	0.045521	10
f	(3, 5)	5.0	A1		0.952693	0.065888	10
f	(2, 4)	2.0	A10		0.952438	0.056500	10
f	(2, 4)	5.0	A8		0.952211	0.042780	10
f	(2, 4)	5.0	A9		0.952069	0.056408	10
f f	(3, 5)	5.0	A2		0.950340	0.037670	10
f	(2, 4)	5.0 2.0	A3 A4		0.949546 0.949150	0.059934 0.038502	10 10
f	(3, 5) $(3, 5)$	$\frac{2.0}{2.0}$	A4 A3		0.949150 0.948271	0.038502 0.089194	10
f	(3, 3) $(2, 4)$	2.0	A5		0.946271 0.946655	0.089194 0.072810	10
f	(3, 5)	2.0	A10		0.944926	0.072310 0.075712	10
f	(2, 4)	5.0	A1		0.942999	0.065880	10
f	(3, 5)	2.0	A1		0.942234	0.058721	10
f	(2, 4)	2.0	A6		0.941071	0.063976	10
m	(3,5)				0.927976	0.037061	10
f	(3, 5)	2.0	A9		0.927154	0.099874	10
f	(2, 4)	2.0	A7		0.926927	0.064304	10

Algorithm	k	r	aggregation	Level of	auc	stddev	Cross
	<u> </u>	<u> </u>		missing values	<u> </u>	<u> </u>	validation
m	(2, 4)		_		0.855385	0.053525	10
f	(2, 4)	5.0	A6		0.969841	0.029774	10
f f	(3, 5)	10.0	A6		0.966893	0.028467	10
f f	(2, 4)	5.0 10.0	A3 A5		0.963662 0.963549	$\begin{array}{c} 0.034190 \\ 0.050022 \end{array}$	10 10
f	(3, 5) $(2, 4)$	10.0	A10		0.965549 0.961848	0.030022	10
f	(3, 5)	10.0	A10 A10		0.961281	0.035003	10
f	(3, 5)	5.0	A5		0.961111	0.030230	10
f	(3, 5)	10.0	A9		0.958787	0.032491	10
f	(3, 5)	5.0	A6		0.958617	0.043694	10
f	(2, 4)	5.0	A10		0.957313	0.058609	10
f	(2,4)	10.0	A4		0.956406	0.050242	10
f	(3, 5)	2.0	A7		0.955726	0.037007	10
f	(3, 5)	10.0	A4		0.953175	0.050691	10
f	(2, 4)	5.0	A4		0.951984	0.057774	10
f	(2, 4)	5.0	A7		0.951871	0.038947	10
f	(3, 5)	5.0	A2		0.950964	0.048871	10
f	(2, 4)	10.0	A2		0.949943	0.058580	10
f	(2, 4)	10.0	A3		0.949830	0.044948	10
f	(3, 5)	10.0	A8		0.949263	0.048638	10
f f	(3, 5)	10.0 5.0	A2 A3		0.948696 0.948639	0.035147 0.067314	10 10
f	(3, 5) $(3, 5)$	10.0	A5 A7		0.948039	0.067314	10
f	(3, 5)	10.0	A1		0.947279	0.000178	10
f	(2, 4)	10.0	A1		0.947213 0.947222	0.033333	10
f	(3, 5)	2.0	A8		0.946372	0.059063	10
f	(3, 5)	10.0	A3		0.945465	0.068966	10
f	(2, 4)	2.0	A10		0.944359	0.058937	10
f	(2, 4)	2.0	A2	0.3	0.943141	0.082306	10
f	(2, 4)	5.0	A8		0.942744	0.055951	10
f	(2, 4)	10.0	A7		0.941440	0.071295	10
f	(3, 5)	2.0	A1		0.940420	0.059004	10
f	(2, 4)	2.0	A4		0.939512	0.042048	10
f	(2, 4)	5.0	A2		0.939427	0.068753	10
f	(3, 5)	2.0	A2		0.939286	0.074049	10
f	(2, 4)	2.0	A7		0.938974	0.059207	10
f f	(3, 5)	5.0 5.0	A1 A10		$\begin{array}{c} 0.937160 \\ 0.936054 \end{array}$	0.076489 0.074637	10 10
f	(3, 5) $(3, 5)$	2.0	A10 A4		0.930034 0.933844	0.074657	10
f	(3, 5)	2.0	A10		0.932596	0.045800 0.055192	10
f	(3, 5)	2.0	A5		0.930272	0.068521	10
f	(2, 4)	5.0	A1		0.929053	0.067524	10
f	(2,4)	10.0	A8		0.927693	0.073675	10
f	(3, 5)	5.0	A8		0.927636	0.053820	10
f	(2, 4)	10.0	A5		0.925964	0.091362	10
f	(3, 5)	2.0	A9		0.925170	0.075714	10
f	(3, 5)	5.0	A4		0.925142	0.071537	10
f	(2, 4)	5.0	A5		0.921882	0.100731	10
f	(3, 5)	5.0	A9		0.920975	0.054493	10
f	(3, 5)	5.0	A7		0.920635	0.050787	10
f f	(2, 4)	2.0	A8		0.920096	0.073812	10
f	(2, 4)	2.0 2.0	A3 A6		0.919473 0.914116	$0.093980 \\ 0.083402$	10 10
f	(3, 5) $(2, 4)$	$\frac{2.0}{2.0}$	A6 A5		0.914110 0.913350	0.083402 0.082588	10
f	(2, 4) $(2, 4)$	2.0	A6		0.913330	0.032333	10
f	(2, 4)	10.0	A9		0.911301 0.905244	0.073001	10
f	(2, 4)	2.0	A9		0.902664	0.065363	10
f	(2, 4)	10.0	A6		0.901332	0.042793	10
f	(2, 4)	5.0	A9		0.900454	0.103928	10
f	(3,5)	2.0	A3		0.899943	0.074151	10
m	(3, 5)				0.858277	0.059075	10
m	(2, 4)				0.840561	0.041753	10

Algorithm	k	r	aggregation	Level of missing values	auc	stddev	Cross validation
<u> </u>	(9.4)	2.0	A1	l missing varaes	0.707676	0.070605	
$\frac{f}{f}$	(2, 4) $(2, 4)$	5.0	A1 A9		$\begin{array}{c} 0.797676 \\ 0.926757 \end{array}$	0.079625 0.047418	10
f	(3, 5)	5.0	A1		0.92279	0.047418	10
f	(2, 4)	5.0	A5		0.922166	0.060257	10
f	(3, 5)	10.0	A5		0.917234	0.064623	10
f	(2, 4)	5.0	A8		0.914909	0.071161	10
f	(2,4)	10.0	A2		0.913577	0.070588	10
f	(3,5)	5.0	A8		0.909694	0.057592	10
f	(2, 4)	5.0	A4		0.907795	0.068377	10
f	(2, 4)	2.0	A1		0.907625	0.052492	10
f	(2, 4)	5.0	A6		0.903968	0.052517	10
f	(2, 4)	10.0	A8		0.900057	0.079983	10
f	(2, 4)	10.0	A10		0.899887	0.055012	10
f	(3, 5)	10.0	A1		0.897080	0.058475	10
f	(3, 5)	2.0	A4		0.895975	0.068175	10
f	(2, 4)	5.0	A7		0.890420	0.085356	10
f	(3, 5)	10.0	A9		0.890023	0.047375	10
f f	(3, 5)	10.0	A2		0.889002	0.055321	10
f	(3, 5) $(2, 4)$	5.0 2.0	A7 A6		0.887698 0.885374	0.066014 0.068292	10 10
f	(2, 4) $(2, 4)$	10.0	A0 A4		0.879875	0.008292 0.045526	10
f	(2, 4) $(2, 4)$	2.0	A4 A8		0.879280	0.045520 0.085081	10
f	(3, 5)	2.0	A8		0.876531	0.067606	10
f	(3, 5)	5.0	A10		0.875680	0.057334	10
f	(2, 4)	10.0	A7		0.874490	0.053497	10
f	(2, 4)	10.0	A3		0.873413	0.059861	10
f	(3,5)	5.0	A2		0.871854	0.060061	10
m	(2, 4)			0.4	0.871712	0.087018	10
f	(2, 4)	10.0	A5		0.870408	0.058425	10
f	(2, 4)	10.0	A6		0.867120	0.062968	10
f	(3, 5)	5.0	A6		0.866327	0.057551	10
f	(2, 4)	5.0	A3		0.865873	0.078478	10
f	(3, 5)	10.0	A3		0.865476	0.041258	10
f	(3, 5)	10.0	A6		0.865023	0.078870	10
f	(3, 5)	2.0	A3		0.855471	0.079936	10
f f	(2, 4)	5.0	A10		0.854535	0.072142	10
f	(2, 4) $(2, 4)$	2.0 5.0	A10 A2		0.850255 0.849745	0.085218 0.048342	10 10
f	(2, 4) $(2, 4)$	10.0	A2 A1		0.846542	0.048342 0.062264	10
f	(2,4)	2.0	A5		0.843311	0.002204	10
f	(3, 5)	5.0	A3		0.842290	0.040957	10
f	(2, 4)	2.0	A2		0.841412	0.089227	10
f	(3,5)	10.0	A4		0.840476	0.059385	10
f	(3,5)	5.0	A9		0.838209	0.054304	10
f	(3, 5)	2.0	A2		0.830669	0.081155	10
f	(3, 5)	5.0	A4		0.830244	0.088165	10
f	(3, 5)	2.0	A10		0.826077	0.064577	10
f	(3, 5)	2.0	A7		0.825765	0.037209	10
f	(3, 5)	10.0	A8		0.817630	0.058020	10
f	(2, 4)	10.0	A9		0.817574	0.040639	10
f	(3, 5)	5.0	A5		0.816610	0.043339	10
f f	(3, 5)	2.0	A1		0.814654	0.064820	10
f	(2, 4)	2.0 2.0	A3 A5		0.814371 0.806406	0.058307 0.061500	10 10
f	(3, 5) $(2, 4)$	5.0	A5 A1		0.805045	0.063093	10
f	(2, 4) $(2, 4)$	2.0	A7		0.805045 0.792574	0.003093	10
f	(3, 5)	2.0	A6		0.790788	0.054036	10
f	(3, 5)	10.0	A7		0.783844	0.034030	10
f	(3, 5)	10.0	A10		0.772166	0.075769	10
f	(3, 5)	2.0	A9		0.754252	0.067683	10
f	(2, 4)	2.0	A4		0.744416	0.058478	10
m	(3,5)				0.734552	0.064133	10
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Algorithm	k	r	aggregation	Level of missing values	auc	stddev	Cross validation
f	(2, 4)	2.0	A9	<u> </u>	0.701559	0.078614	10
f	(3, 5)	5.0	A2		0.895295	0.053827	10
f	(3,5)	10.0	A3		0.889172	0.064794	10
f	(3, 5)	5.0	A6		0.878798	0.080396	10
f	(3, 5)	10.0	A10		0.865023	0.076478	10
f	(3, 5)	5.0	A3		0.862982	0.057027	10
f	(3, 5)	2.0	A4		0.854308	0.068413	10
f	(3, 5)	10.0	A4		0.853401	0.070431	10
m	(3, 5)	2.0			0.853175	0.042551	10
f	(3, 5)	2.0	A7		0.851871	0.066872	10
f f	(3, 5)	10.0 5.0	A5 A7		0.848299 0.843651	0.067709 0.083403	10 10
f	(3, 5) $(2, 4)$	5.0	A5		0.838719	0.068099	10
f	(2,4)	10.0	A7		0.836593	0.088987	10
f	(3, 5)	5.0	A10		0.835204	0.065261	10
f	(2, 4)	10.0	A4		0.831576	0.063600	10
f	(3,5)	10.0	A9		0.830556	0.055455	10
f	(3,5)	2.0	A9		0.830215	0.058045	10
f	(2, 4)	5.0	A7		0.829875	0.076164	10
f	(3,5)	2.0	A6		0.826304	0.066908	10
f	(3, 5)	2.0	A2		0.825539	0.074415	10
f	(3, 5)	10.0	A6		0.820011	0.092093	10
f	(2, 4)	2.0	A9		0.819274	0.072232	10
f	(2, 4)	10.0	A10		0.818141	0.043442	10
f	(2, 4)	10.0	A1		0.813832	0.067405	10
f	(3, 5)	10.0	A8		0.798696	0.042634	10
f f	(3, 5)	5.0	A4		0.798129	0.058886	10 10
f	(3, 5) $(3, 5)$	2.0 10.0	A8 A7		0.797477 0.791525	0.076336 0.083849	10
f	(2, 4)	10.0	A9		0.791323	0.063649 0.073451	10
f	(2, 1)	5.0	A4		0.789002	0.100471	10
f	(2, 4)	2.0	A7		0.786820	0.077285	10
f	(3,5)	5.0	A5		0.785941	0.040725	10
f	(3,5)	10.0	A1		0.784184	0.070031	10
f	(3, 5)	2.0	A10	0.5	0.781179	0.091302	10
f	(2, 4)	5.0	A8		0.780896	0.073301	10
f	(3, 5)	2.0	A1		0.780357	0.077206	10
f	(2, 4)	2.0	A8		0.779989	0.065404	10
f	(2, 4)	10.0	A8		0.778458	0.048642	10
f	(2, 4)	2.0	A3		0.777834	0.082319	10
f f	(2, 4)	5.0	A2		0.776389	0.122448	10
f	(3, 5) $(3, 5)$	2.0 5.0	A3 A9		0.769615	0.038525 0.070386	10 10
f	(3, 3) $(2, 4)$	5.0	A6		0.762783	0.070380	10
f	(2, 4)	10.0	A5		0.760601	0.074035	10
f	(2, 4)	10.0	A3		0.760204	0.090504	10
f	(2, 4)	5.0	A10		0.753912	0.085434	10
f	(3, 5)	10.0	A2		0.752041	0.052705	10
f	(2,4)	5.0	A1		0.749121	0.107838	10
f	(3,5)	5.0	A1		0.747336	0.080964	10
f	(2, 4)	5.0	A3		0.739116	0.092427	10
f	(3, 5)	2.0	A5		0.735544	0.125759	10
f	(2, 4)	5.0	A9		0.715873	0.064678	10
f	(2, 4)	2.0	A6		0.711678	0.110033	10
f c	(2, 4)	2.0	A5		0.710686	0.120189	10
f	(2, 4)	10.0	A6		0.707370	0.077662	10
m f	(2, 4)	2.0	A4		0.706434 0.704960	0.070493 0.068225	10 10
f	(2, 4) $(2, 4)$	$\frac{2.0}{2.0}$	A4 A10		0.704960	0.008225 0.111559	10
f	(2, 4) $(3, 5)$	5.0	A10 A8		0.676020	0.111339 0.085776	10
f	(2,4)	2.0	A2		0.659977	0.003770	10
f	(2, 4)	2.0	A1		0.656576	0.125973	10
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Algorithm	k	r	aggregation	Level of missing values	auc	stddev	Cross validation
f	(2, 4)	10.0	A2		0.589286	0.099322	10