

								Time				Reduction Rate			#Sufficient		#TO	
Dataset	#Classes	#Features	#Instances	Accuracy	#Trees	#Instances Selected	#Features Used	XReason	TS	TS + XReason	Total	XReason	TS + Xreason	Total	XReason	TS + XReason	XReason	TS+XReason
ad_data.csv	2	1558	3279	97.78	100	100	78.7	71.41	0.32	13.88	14.2	65.58	79.27	83.97	53	100	47	0
adult.csv	2	14	48842	87.34	100	100	14.0	92.01	0.12	88.45	88.57	26.29	27.64	38.64	34	38	66	62
allBooks_baseli	8	8266	590	87.12	800	100	315.9	100.04	7.62	51.01	58.62	61.7	76.78	79.78	0	97	100	3
anneal_2.csv	2	38	898	98.78	100	100	16.3	4.19	0.05	3.85	3.9	71.01	70.93	73.62	100	100	0	0
anneal.csv	5	38	898	99.0	500	100	19.7	4.45	0.19	5.42	5.6	72.36	72.57	73.5	100	100	0	0
appendicitis.csv	2	7	106	85.82	100	100	7.0	3.62	0.02	4.51	4.53	42.71	36.29	46.43	100	100	0	0
arcene.csv	2	10000	200	80.5	100	100	143.5	4.49	0.2	5.7	5.89	71.36	73.71	74.41	100	100	0	0
australian.csv	2	14	690	86.96	100	100	14.0	12.52	0.08	8.19	8.27	55.79	49.0	60.64	100	100	0	0
autos.csv	2	25	205	90.17	100	100	20.5	4.93	0.05	4.49	4.54	59.3	64.71	70.08	100	100	0	0
backache.csv	2	32	180	83.89	100	100	20.4	4.25	0.06	4.49	4.55	56.47	58.27	67.25	100	100	0	0
balance.csv	2	4	625	92.95	100	100	4.0	5.28	0.03	5.72	5.74	33.75	36.75	37.75	100	100	0	0
bank_marketing	2	16	45211	90.65	100	100	16.0	99.97	0.14	97.58	97.72	44.69	51.81	60.0	3	16	97	84
bank.csv	2	20	41188	91.5	100	100	20.0	100.0	0.16	92.69	92.85	54.9	53.95	63.2	1	30	99	70
banknote.csv	2	4	1372	99.64	100	100	4.0	3.43	0.01	3.4	3.41	51.0	50.75	51.75	100	100	0	0
biodegradation.c	2	41	1055	86.55	100	100	34.5	29.09	0.17	23.81	23.98	34.81	39.13	47.04	98	97	2	3
biomed.csv	2	8	209	90.93	100	100	8.0	3.57	0.02	4.84	4.87	48.88	48.5	54.62	100	100	0	0
breast_cancer.cs	2	9	286	68.89	100	100	9.0	9.59	0.05	8.14	8.19	40.67	23.67	43.56	100	100	0	0
bupa.csv	2	6	345	72.23	100	100	6.0	7.71	0.03	7.3	7.33	26.0	11.0	27.67	100	100	0	0
car.csv	2	6	1728	100.0	100	100	6.0	4.67	0.04	5.39	5.42	73.83	66.33	75.5	100	100	0	0
cars.csv	2	8	406	95.32	100	100	8.0	3.99	0.02	4.99	5.02	76.0	70.88	79.12	100	100	0	0
christine.csv	2	1636	5418	73.81	100	100	1272.2	100.02	6.13	94.42	100.55	51.7	77.29	77.39	0	0	100	100
cleveland_nomir	2	13	303	80.87	100	100	13.0	5.95	0.06	5.73	5.79	48.15	43.0	54.85	100	100	0	0
cleveland_nomir	5	7	303	56.4	500	100	7.0	22.07	0.27	18.98	19.25	33.71	16.14	35.86	100	100	0	0
cnae.csv	9	856	1079	91.48	900	100	132.3	89.0	5.65	49.57	55.23	52.14	62.25	66.98	50	97	50	3
colic.csv	2	22	368	83.68	100	100	21.2	8.01	0.09	6.01	6.09	51.18	51.69	61.66	100	100	0	0
compas.csv	2	11	6172	67.86	100	100	11.0	21.58	0.07	16.26	16.33	53.73	31.36	57.18	100	100	0	0
contraceptive.cs	3	9	1473	53.23	300	100	9.0	99.72	0.27	93.5	93.77	22.33	22.89	40.11	8	59	92	41
corral.csv	2	6	160	100.0	100	100	5.6	3.28	0.01	4.31	4.32	64.0	64.0	64.0	100	100	0	0
Default_payeme	2	11	1200	72.33	100	100	11.0	33.61	0.07	29.76	29.83	39.82	26.0	40.82	95	96	5	4
dermatology.csv	2	34	366	99.73	100	100	10.0	3.34	0.01	4.71	4.72	78.97	79.13	79.22	100	100	0	0
dexter.csv	2	20000	600	91.83	100	100	104.5	11.25	0.3	6.75	7.05	70.68	77.31	80.05	100	100	0	0
divorce.csv	2	54	170	97.65	100	100	13.8	3.66	0.01	3.57	3.58	75.13	82.08	82.08	100	100	0	0
dorothea.csv	2	100000	1150	93.91	100	100	222.2	17.28	0.68	11.5	12.17	52.84	59.48	62.12	100	100	0	0
ecoli.csv	2	7	336	96.12	100	100	5.0	3.49	0.01	4.34	4.35	48.6	37.8	49.4	100	100	0	0
farm-ads.csv	2	54876	4143	90.27	100	100	714.1	100.05	2.86	97.91	100.77	65.37	70.6	72.36	0	7	100	93
fetal_health.csv	3	21	2126	95.44	300	100	20.0	85.71	0.41	62.6	63.02	44.0	42.9	55.6	63	88	37	12
german_number	3	24	1000	93.5	300	100	22.9	14.3	0.27	9.09	9.35	77.04	77.14	81.6	100	100	0	0
german.csv	2	20	1000	75.3	100	100	20.0	55.34	0.12	37.84	37.96	37.65	34.1	49.15	80	95	20	5
gina_agnostic.cs	2	970	3468	95.13	100	100	477.9	100.02	1.8	95.92	97.72	62.78	74.64	76.77	0	34	100	66
gina_prior.csv	2	784	3468	95.73	100	100	340.9	100.02	1.29	95.39	96.68	56.61	67.02	70.12	0	43	100	57
gina.csv	2	970	3153	95.18	100	100	467.7	100.03	1.7	87.95	89.64	65.11	75.37	77.41	0	87	100	13
gisette.csv	2	5000	7000	97.83	100	100	783.6	100.03	2.95	90.59	93.54	71.02	81.14	82.34	0	77	100	23
glass.csv	6	9	214	77.55	600	100	9.0	9.5	0.15	8.0	8.15	28.89	29.33	35.0	100	100	0	0
madelon.csv	2	500	2600	81.42	100	100	474.6	100.02	1.96	98.62	100.57	44.22	66.68	67.69	0	0	100	100
malware.csv	2	1084	6248	99.46	100	100	88.6	8.34	0.22	5.79	6.01	83.4	84.63	85.9	100	100	0	0
mnist38.csv	2	784	13966	99.23	100	100	332.2	100.02	1.33	96.22	97.55	58.16	71.5	74.67	0	31	100	69
mnist49.csv	2	784	13782	98.88	100	100	304.2	100.03	1.27	98.89	100.17	54.61	70.9	73.93	0	5	100	95
pd_speech_feat	2	754	756	91.13	100	100	265.7	17.29	0.61	10.03	10.65	75.2	76.7	78.1	100	100	0	0
spambase.csv	2	57	4601	95.41	100	100	50.7	47.31	0.24	30.56	30.8	41.4	38.87	47.83	99	100	1	0
yeast.csv	2	116	2417	98.59	100	100	93.6	6.47	0.2	5.48	5.68	87.87	89.58	90.76	100	100	0	0