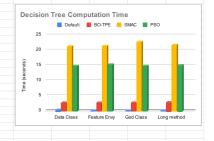
	DT-BO Total	RF-BO Total	DT-PSO Total	RF-PSO Total	DT-SMAC Total	RF-SMAC Total	DT-Default	RF-Default
	3.15557	37.75236	15.55283	221.81337	19.74108	57.33717	1.79297	2.3247
	2.93859	31.57942	16.62157	223.72289	22.27623	53.20128	0.24275	2.2495
	3.03399	36.83109	14.49545	295.21447	20.32296	57.21165	0.23859	2.1978
88	3.18144	28.47215	17.69390	268.29248	19.93975	56.19764	0.21698	2.1846
5	3.03591	36.72615	14.19899	232.80677	20.98392	60.84337	1.64434	2.3610
Data Class	2.67326	36.06058	16.25810	204.86237	21.92199	55.72201	0.23882	2.6061
_	2.65297	38.91168	11.34072	197.28114	23.64506	59.40085	0.23902	2.5650
	2.66053	36.92383	13.04750	301.93647	20.86248	61.31723	0.23909	2.5852
	2.64125	32.06941	15.52148	263.72931	23.63122	66.41798	0.25686	2.5510
	2.62324	42.97763	14.56770	191.49459	20.21448	60.87269	0.25121	2.6649
Avg	2.85968	35.83043	14.92982	240.11539	21.35392	58.85219	0.53606	2.4290
	DT-BO Total	RF-BO Total	DT-PSO Total	RF-PSO Total	DT-SMAC Total	RF-SMAC Total	DT-Default	RF-Default
	2.84119	34.63078	18 62291	191.09408	20.93669	55.51922	0.23179	2.4612
	3.20826	31.93264	18.74139	195.09464	21.85082	54.58912		2.4612
	3.12762	28.40021	17.71940	194.03469	18.36193	58.05316		2.2705
Ş	3.07842	35.03540	16.56819	204.87596	20.05050	58.66432	0.23309	2.2749
ū	2.65562	36.68331	10.93431	242.84366	22.02323	57.25059	0.26250	2.7312
Feature Envy	2.60949	40.13483	11.04200	198.91985	23.05437	62.71987	0.25501	2.6253
Ē	2.54270	37.15166	16.91295	178.07070	21.20610	66.53212		2.7131
	2.64829	35.57789	16.29898	245.33753	24.66759	64.11801	0.24495	2.6512
	2.78604	34.75690	11.30893	211.09780	19.86299	61.19361	0.24847	2.6699
	2.59257	33.74685	15.90478	315.58823	23.01128	60.57165	0.25604	2.7369
Avg	2.80902	34.80505	15.40538	217.69572	21.50255	59.92117	0.24394	2.5421
	DT-BO Total	RF-BO Total	DT-PSO Total	RF-PSO Total	DT-SMAC Total	RF-SMAC Total	DT-Default	RF-Default
	3.15149	31.85665	15.03155	218.35058	21.11890	54.13863	0.21497	2.1908
	3.15149 3.02520	31.85665 31.91106	15.03155 16.98505	218.35058 205.68172	21.11890 22.28117	54.13863 50.43768	0.21497 0.22867	2.1908 2.1587
8	3.15149 3.02520 3.02694	31.85665 31.91106 34.61244	15.03155 16.98505 20.86720	218.35058 205.68172 205.37771	21.11890 22.28117 21.14670	54.13863 50.43768 53.22921	0.21497 0.22867 0.22692	2.1908 2.1587 2.1928
Class	3.15149 3.02520 3.02694 3.18268	31.85665 31.91106 34.61244 29.17542	15.03155 16.98505 20.86720 12.85558	218.35058 205.68172 205.37771 244.69593	21.11890 22.28117 21.14670 21.39683	54.13863 50.43768 53.22921 63.51807	0.21497 0.22867 0.22692 0.21186	2.1908 2.1587 2.1928 2.2008
od Class	3.15149 3.02520 3.02694	31.85665 31.91106 34.61244	15.03155 16.98505 20.86720	218.35058 205.68172 205.37771	21.11890 22.28117 21.14670	54.13863 50.43768 53.22921	0.21497 0.22867 0.22692 0.21186 0.23586	2.1908 2.1587 2.1928
God Class	3.15149 3.02520 3.02694 3.18268 2.55977 2.54338	31.85665 31.91106 34.61244 29.17542 38.60162 35.23946	15.03155 16.98505 20.86720 12.85558 12.32662 14.74079	218.35058 205.68172 205.37771 244.69593 226.60923 195.51740	21.11890 22.28117 21.14670 21.39683 22.57413 24.79340	54.13863 50.43768 53.22921 63.51807 55.35571 59.37792	0.21497 0.22867 0.22692 0.21186 0.23586 0.27477	2.1908 2.1587 2.1928 2.2008 2.4933 2.5139
God Class	3.15149 3.02520 3.02694 3.18268 2.55977 2.54338 2.49743	31.85665 31.91106 34.61244 29.17542 38.60162 35.23946 28.81113	15.03155 16.98505 20.86720 12.85558 12.32662 14.74079 15.17144	218.35058 205.68172 205.37771 244.69593 226.60923 195.51740 208.69515	21.11890 22.28117 21.14670 21.39683 22.57413 24.79340 24.14165	54.13863 50.43768 53.22921 63.51807 55.35571 59.37792 66.88846	0.21497 0.22867 0.22692 0.21186 0.23586 0.27477 0.22979	2.1908 2.1587 2.1928 2.2008 2.4933 2.5139 2.5349
God Class	3.15149 3.02520 3.02694 3.18268 2.55977 2.54338	31.85665 31.91106 34.61244 29.17542 38.60162 35.23946	15.03155 16.98505 20.86720 12.85558 12.32662 14.74079	218.35058 205.68172 205.37771 244.69593 226.60923 195.51740	21.11890 22.28117 21.14670 21.39683 22.57413 24.79340	54.13863 50.43768 53.22921 63.51807 55.35571 59.37792	0.21497 0.22867 0.22692 0.21186 0.23586 0.27477	2.1908 2.1587 2.1928 2.2008 2.4933 2.5139
God Class	3.15149 3.02520 3.02694 3.18268 2.55977 2.54338 2.49743 2.52635	31.85665 31.91106 34.61244 29.17542 38.60162 35.23946 28.81113 38.53058	15.03155 16.98505 20.86720 12.85558 12.32662 14.74079 15.17144 13.33043	218.35058 205.68172 205.37771 244.69593 226.60923 195.51740 208.69515 237.78168	21.11890 22.28117 21.14670 21.39683 22.57413 24.79340 24.14165 23.05051	54.13863 50.43768 53.22921 63.51807 55.35571 59.37792 66.88846 60.79267	0.21497 0.22867 0.22692 0.21186 0.23586 0.27477 0.22979 0.23784	2.1908 2.1587 2.1928 2.2008 2.4933 2.5139 2.5349 2.4740
God Class	3.15149 3.02520 3.02694 3.18268 2.55977 2.54338 2.49743 2.52635 2.54577	31.85665 31.91106 34.61244 29.17542 38.60162 35.23946 28.81113 38.53058 35.96724	15.03155 16.98505 20.86720 12.85558 12.32662 14.74079 15.17144 13.33043 11.92969	218.35058 205.68172 205.37771 244.69593 226.60923 195.51740 208.69515 237.78168 200.92156	21.11890 22.28117 21.14670 21.39683 22.57413 24.79340 24.14165 23.05051 26.34123	54.13863 50.43768 53.22921 63.51807 55.35775 59.37792 66.88846 60.79267 65.46722	0.21497 0.22867 0.22692 0.21186 0.23586 0.27477 0.22979 0.23784 0.23846	2.1908 2.1587 2.1928 2.2008 2.4933 2.5139 2.5349 2.4740 2.5148
_	3.15149 3.02520 3.02694 3.18268 2.55977 2.54338 2.49743 2.52635 2.54577 2.79711	31.85665 31.91106 34.61244 29.17542 38.60162 35.23946 28.81113 38.53058 35.96724 31.92431 33.66299	15.03155 16.98505 20.86720 12.85558 12.32662 14.74079 15.17144 13.33043 11.92969 15.72339	218.35058 205.68172 205.37771 244.69593 226.60923 195.51740 208.69515 237.78168 200.92156 199.57402 214.32050	21.11890 22.28117 21.14670 21.39683 22.57413 24.79340 24.14165 23.05051 26.34123 22.04322 22.88877	54.13863 50.43768 53.22921 63.51807 55.35571 59.37792 66.88846 60.79267 65.46722 54.89679 58.41023	0.21497 0.22867 0.22692 0.21186 0.23586 0.27477 0.22979 0.23784 0.23846 0.22344	2.1908 2.1587 2.1928 2.2008 2.4933 2.5139 2.5349 2.4740 2.5148 2.3394 2.3613
_	3.15149 3.02520 3.02694 3.18268 2.55977 2.54338 2.49743 2.52643 2.52645 2.54577 2.79711	31.85665 31.91106 34.61244 29.17542 38.60162 35.23946 28.81113 38.53058 35.96724 31.92431	15.03155 16.98505 20.86720 12.85558 12.32662 14.74079 15.17144 13.33043 11.92969 15.72339	218.35058 205.68172 205.37771 244.69593 226.60923 195.51740 208.69515 237.78168 200.92156	21.11890 22.28117 21.14670 21.39683 22.57413 24.79340 24.14165 23.05051 26.34123 22.04322	54.13863 50.43768 53.22921 63.51807 55.35571 59.37792 66.88846 60.79267 65.46722 54.89679	0.21497 0.22867 0.22692 0.21186 0.23586 0.27477 0.22979 0.23784 0.23846	2.1908 2.1587 2.1928 2.2008 2.4933 2.5139 2.5349 2.4740 2.5148 2.3394
_	3.15149 3.02520 3.02694 3.18268 2.55977 2.54338 2.49743 2.52635 2.54577 2.79711 2.78561	31.85665 31.91106 34.61244 29.17542 38.60162 35.23946 28.81113 38.53058 35.96724 31.92431 33.66299	15.03155 16.98505 20.86720 12.88558 12.32662 14.74079 15.17144 13.33043 11.92969 15.72339 14.89617	218.35058 205.68172 205.37771 244.69593 226.60923 195.51740 208.69515 237.78168 200.92156 199.57402 214.32050	21.11890 22.28117 21.14670 21.39683 22.57413 24.79340 24.14165 23.05051 26.34123 22.04322 22.88877	54.13863 50.43768 53.22921 63.51807 55.35571 59.37792 66.88846 60.79267 65.46722 54.89679 58.41023	0.21497 0.22867 0.22692 0.21186 0.23586 0.27477 0.22979 0.23784 0.23846 0.22344 0.23226	2.1908 2.1587 2.1928 2.2008 2.4933 2.5139 2.5349 2.4740 2.5148 2.3394 2.3613
Avg	3.15149 3.02520 3.02694 3.18268 2.55977 2.54338 2.49743 2.52635 2.54577 2.79711 2.78561 DT-BO Total 3.17234	31.85665 31.91106 34.61244 29.17542 38.60162 35.23946 28.81113 38.53058 35.96724 31.92431 33.66299 RF-BO Total 25.37631	15.03155 16.98505 20.88720 12.85558 12.32662 14.74079 15.17144 13.33043 11.92969 15.72339 14.89617 DT-PSO Total	218.35058 205.68172 205.37771 244.69593 226.60923 195.51740 208.69515 237.78168 200.92156 199.57402 214.32050 RF-PSO Total 214.38126	21.11890 22.28117 21.14670 21.39683 22.57413 24.79340 24.14165 23.05051 26.34123 22.04322 22.88877 DT-SMAC Total	54.13863 50.43768 53.22921 63.51807 55.35571 59.37792 66.88846 60.79267 65.46722 54.89679 58.41023 RF-SMAC Total	0.21497 0.22867 0.22692 0.21186 0.23586 0.27477 0.22979 0.23784 0.23846 0.22344 0.23226 DT-Default 0.24530	2.1908 2.1587 2.1928 2.2008 2.4933 2.5139 2.5349 2.4740 2.5148 2.3394 2.3613 RF-Default 2.2162
Avg	3.15149 3.02520 3.02694 3.18288 2.5977 2.54338 2.49743 2.52635 2.54577 2.79711 2.78561 DT-BO Total 3.17234 3.16571 3.16415	31.85665 31.91106 34.61244 29.17542 38.60162 35.23946 28.81113 38.53058 35.96724 31.92431 33.66299 RF-BO Total 26.26195 27.69692	15.03155 16.98505 20.86720 12.85558 12.32662 14.74079 15.17144 13.33043 11.92969 15.72339 14.89617 DT-PSO Total 19.52845 18.30546 16.13532	218.35058 205.68172 205.37771 244.69593 226.60923 195.51740 208.69515 237.78168 200.92156 199.57402 214.32050 RF-PSO Total 214.38126 169.77348 170.52108	21.11890 22.28117 21.14670 21.39683 22.57413 24.7940 24.14165 23.05061 26.34123 22.04322 22.88877 DT-SMAC Total 23.74914 18.29861 19.41825	54.13863 50.43768 53.2221 63.51807 55.35571 69.37792 66.88846 60.79267 65.46722 54.89679 58.41023 RF-SMAC Total 69.94441 55.65387	0.21497 0.22867 0.22692 0.21186 0.23586 0.27477 0.22979 0.23784 0.23846 0.22344 0.23226 DT-Default 0.24530 0.24667 0.22459	2.1908 2.1587 2.1928 2.2008 2.4933 2.5139 2.5349 2.4740 2.5148 2.3394 2.3613 RF-Default 2.2162 2.2319
Avg	3.15149 3.02520 3.02694 3.18268 2.55977 2.54338 2.49743 2.52635 2.54577 2.79711 2.78561 DT-BO Total 3.17234 3.18571	31.85665 31.91106 34.61244 29.17542 38.60162 35.23946 28.81113 38.53058 35.96724 31.92431 33.66299 RF-BO Total 25.37631 26.26195	15.03155 16.98505 20.86720 12.85558 12.32662 14.74079 15.17144 13.33043 11.92969 15.72339 14.89617 DT-PSO Total 19.52845 18.30546	218.35058 205.68172 205.37771 244.69593 226.60923 195.51740 208.69515 237.78168 200.92156 199.57402 214.32050 RF-PSO Total 214.38126 169.77348	21.11890 22.28117 21.14670 21.39683 22.57413 24.79340 24.14165 23.05051 26.34123 22.04322 22.88877 DT-SMAC Total 23.74914 18.29861	54.13863 50.43768 53.22921 63.51807 55.35571 59.37782 66.88846 60.79267 65.4722 54.89679 58.41023 RF-SMAC Total 59.93041	0.21497 0.22867 0.22692 0.21186 0.23586 0.27477 0.22979 0.23784 0.23846 0.22344 0.23226 DT-Default 0.24530 0.24667	2.1908 2.1587 2.1928 2.2008 2.4933 2.5139 2.5349 2.4740 2.5148 2.3394 2.3613 RF-Default 2.2162 2.2319
Avg	3.15149 3.02520 3.02694 3.16288 2.55977 2.54338 2.49743 2.52635 2.54577 2.79711 2.78561 DT-BO Total 3.16275 3.16275 3.16475 3.16475 3.16475	31.85665 31.91106 34.61244 29.17542 38.60162 35.23946 28.81113 38.53058 35.96724 31.92431 33.66299 RF-BO Total 25.37631 26.26195 27.69602 29.25963	15.03155 16.98505 20.86720 12.85558 12.32662 14.74079 15.17144 13.33043 11.9269 15.72339 14.89617 DT-PSO Total 19.52845 18.30546 16.13532 13.03717	218.35058 205.68172 205.37771 244.69593 226.60923 195.51740 208.69515 237.78168 200.92156 199.57402 214.32050 RF-PSO Total 214.38126 169.77348 170.52108 240.05354	21.11890 22.28117 21.14670 21.30683 24.79340 24.14165 23.05061 26.34123 22.08322 22.8877 DT-SMAC Total 23.74914 18.29861 19.41825 22.40335	54.13863 50.43768 53.22921 63.51807 59.337792 66.88846 60.79267 65.46722 54.89679 58.41023 RF-SMAC Total 60.94440 59.93041 59.93041	0.21497 0.22867 0.22692 0.21186 0.23588 0.27477 0.22979 0.23784 0.23244 0.23246 DT-Default 0.24530 0.24667 0.22459 0.22654	2.1908 2.1587 2.1928 2.2008 2.4933 2.5139 2.5349 2.4740 2.31613 RF-Default 2.2162 2.2319 2.2320 2.2320 2.2320 2.2320
_	3.15149 3.02520 3.02694 3.18288 2.59377 2.54338 2.49743 2.52635 2.54577 2.79711 2.78561 DT-BO Total 3.17234 3.18571 3.16415 3.26508 2.66759	31.85665 31.91106 34.61244 29.17542 38.60162 35.23946 28.81113 38.53058 35.96724 31.92431 33.66299 RF-BO Total 25.276962 27.69662 29.25963 28.66305	15.03155 16.98505 20.88720 12.85558 12.25662 14.74079 15.17144 13.33043 11.92969 15.72339 14.89617 DT-PSO Total 19.52845 18.30546 16.13532 13.03747 13.49668	218.35058 205.68172 205.37771 244.69593 226.60923 195.51740 208.69515 237.78168 200.92156 199.57402 214.32050 RF-PSO Total 214.38126 169.77348 170.52108 240.05364 254.20513	21.11890 22.28117 21.14670 21.39683 22.57413 24.79340 24.14165 23.05061 26.34123 22.04322 22.88877 DT-SMAC Total 23.74914 18.29861 19.41825 22.40335 21.50750	54.13863 50.43768 53.2221 63.51807 55.35571 66.8846 60.79267 58.41023 RF-SMAC Total 60.94440 59.93041 55.65387 58.34347 66.15258	0.21497 0.22867 0.22862 0.21186 0.23586 0.227477 0.22979 0.23784 0.23344 0.233226 DT-Default 0.24530 0.24667 0.22459 0.22654 0.23753	2.1908 2.1587 2.1028 2.2008 2.4933 2.5349 2.4740 2.3394 2.3394 2.3613 RF-Default 2.2162 2.2319 2.2320 2.25666 2.23112 2.2320 2.25666
Avg	3.15149 3.02529 3.02694 3.18288 2.59577 2.59438 2.49743 2.26253 2.4577 2.79711 2.78561 DT-BO Total 3.17234 3.18571 3.16151 3.26508 2.69759	31.85665 31.91106 34.91244 29.17542 38.00162 38.3523946 28.81113 38.5058 35.96724 31.92431 25.37631 26.26195 27.69692 22.26963 28.66305 28.66305 28.66305	15.03155 16.98505 20.98720 12.85588 12.36629 14.74079 15.17144 11.32690 14.7879 15.77349 15.72339 14.98671 19.52845 18.30546 16.15823 13.03717 13.49668 11.78688	218.35058 205.88172 205.37771 244.69593 226.69623 2185.51740 208.69515 237.78168 219.57402 214.32059 RF-PSO Total 214.38126 199.75402 214.38126 219.752108 219.752108 219.752108	21.11890 22.28117 21.14670 21.39683 22.57413 24.79340 24.14165 23.05051 26.34123 22.4325 22.88877 DT-SMAC Total 18.29861 19.41825 22.40335 21.50750 26.19977	54.13863 50.43768 53.22921 63.51807 55.35571 59.37792 66.88846 60.79267 65.46722 54.88679 56.41023 RF-SMAC Total 60.94440 59.93041 56.6387 68.34347 66.15258 66.48322	0.21497 0.2267 0.22692 0.2188 0.23586 0.2747 0.22979 0.23846 0.23444 0.23246 0.24570 0.24667 0.24667 0.22569 0.22563 0.24667	2.1908 2.1587 2.1088 2.2080 2.4933 2.5139 2.5149 2.3394 2.3394 2.3613 RF-Default 2.2192 2.2202 2.2566 2.2522
Avg	3.15149 3.02520 3.02694 3.19268 2.56937 2.54338 2.49743 2.52635 2.4977 2.79711 2.78561 3.17234 3.18571 3.16415 3.26569 2.66759 2.56434	31.85665 31.91106 34.91244 29.17842 38.60162 38.8506724 31.92431 33.6506724 31.92431 26.26195 27.66963 28.66305 28.66305 28.66305 28.66305 28.66305 28.66305 28.66305	15.03155 16.98505 20.98720 12.8558 1.3.2662 13.3063 14.74079 15.17144 13.3043 11.9266 15.7233 14.89611 19.52845 18.30546 16.15322 13.03717 13.49688 11.78692 14.89611	218.35058 205.88172 205.37771 244.69593 226.69623 215.51740 208.69515 237.78168 207.9215 214.32050 214.320	21.11890 22.28117 21.14670 21.39663 22.57413 24.79340 24.14165 23.05051 26.34123 22.4322 22.88877 DT-SMAC Total 23.74914 18.29861 19.41825 22.4335 21.50750 21.50750	54.13863 50.43768 53.22921 63.51807 55.35571 99.37792 66.88846 00.79267 65.46722 54.86792 58.41023 87.5486722 54.8672 59.9041 60.94440 69.93041 66.15256 66.48322 57.27581	0.21497 0.22867 0.22892 0.21188 0.23586 0.22747 0.22979 0.23784 0.23246 0.23245 0.23246 0.23454 0.23246 0.23452 0.24667 0.2459 0.22656 0.23753	2.1908 2.1587 2.1587 2.1587 2.1587 2.2008 2.4933 2.5139 2.5349 2.3549 2.3549 2.3549 2.3549 2.2549 2.2520 2.2569 2.2525 2.2569 2.2525 2.2542 2.25542 2.
Avg	3.15149 3.02520 3.02694 3.18268 2.59377 2.54338 2.49743 2.52635 2.54577 2.79711 2.78561 DT-BO Total 3.17234 3.16571 3.16415 3.26508 2.66799 2.56434 2.76892 2.71987	31.85665 31.91106 31.91106 31.91106 31.91106 31.917542	15.03155 19.98505 29.98720 12.98620 14.28558 14.74079 15.17144 13.30434 11.92696 15.72339 14.98617 DT-PSO Total 19.52845 14.30513 13.30488 17.78692 14.80513 14.80513	218.35058 205.88172 205.37771 244.85693 295.87671 248.85693 195.51740 208.89515 237.77188 209.257602 241.32059 RF-PSO Total 179.55700 240.05354 240.05354 252.45051 263.68812 253.44058	21.11890 22.28117 21.14870 21.39883 22.57413 24.73340 24.14105 26.34123 22.3622 22.88877 DT-SMAC Total 18.29861 19.41625 22.40335 21.50750 26.19977 23.75461	54.13863 50.43768 53.22921 63.51807 55.35571 59.37792 66.88846 60.79267 65.46722 54.89679 58.41023 RF-SMAC Total 60.94440 55.65387 58.34347 66.15256 66.48322 57.27581 65.92673	0.21497 0.2267 0.22692 0.2188 0.27477 0.22599 0.23744 0.23846 0.23444 0.23246 0.24667 0.24697 0.22654 0.22654 0.22644 0.22644 0.24647 0.24697	2.1908 2.1587 2.1928 2.2008 2.4933 2.51399 2.4740 2.3613 RF-Default 2.2162 2.2319 2.2506 2.5212 2.5627 2.5627 2.5627 2.5632 2.5633 2.5633 2.5633

	Decision Tree Total Computation Time (second)							
	Default	BO-TPE	SMAC	PSO PSO				
Data Class	0.54	2.86	21.35	14.93				
Feature Envy	0.24	2.81	21.50	15.41				
God Class	0.23	2.79	22.89	14.90				
Long method	0.24	2.92	21.91	15.13				



Random Forest Total Computation Time (second)						
	Default	BO-TPE	SMAC	PSO		
Data Class	2.43	35.83	58.85	240.12		
Feature Envy	2.54	34.81	59.92	217.70		
God Class	2.36	33.66	58.41	214.32		
Long method	2.42	28.81	61.69	209.73		

