

1 Supplementary Tables

Supplementary Table 1: **Raw Performance Scores per Dataset for the Classification Test Benchmark.** The table presents the mean and standard deviation of the ROC AUC score across all folds per dataset for each compared method after four hours. These are the raw results used to generate our main classification results. The second column details the OpenML tasks and dataset IDs.

Dataset Name	Task (Dataset)	AutoGluon	CatBoost	KNN	LightGBM	RF	Logistic Regression	MLP	SVM	XGB	TabPFN (PHE)	TabPFN
pc4	359958 (1049)	0.9534 (± 0.0210)	0.9511 (± 0.0179)	0.8439 (± 0.0505)	0.9429 (± 0.0229)	0.9453 (± 0.0183)	0.9065 (± 0.0307)	0.9234 (± 0.0246)	0.9053 (± 0.0361)	0.9493 (± 0.0186)	0.9577 (± 0.0165)	0.9569 (± 0.0169)
pc1	359962 (1067)	0.8418 (± 0.0311)	0.8255 (± 0.0399)	0.7619 (± 0.0509)	0.8079 (± 0.0367)	0.8316 (± 0.0332)	0.7888 (± 0.0358)	0.8054 (± 0.0336)	0.7985 (± 0.0347)	0.8274 (± 0.0342)	0.8519 (± 0.0279)	0.8477 (± 0.0323)
mfeatfactors	359961 (12)	0.9996 (± 0.0005)	0.9989 (± 0.0015)	0.9969 (± 0.0027)	0.9991 (± 0.0011)	0.9986 (± 0.0015)	0.9985 (± 0.0016)	0.9988 (± 0.0014)	0.9995 (± 0.0007)	0.9991 (± 0.0011)	0.9997 (± 0.0003)	0.9998 (± 0.0003)
bloodtransfusionservicecenter	359955 (1464)	0.7590 (± 0.0456)	0.7565 (± 0.0543)	0.7292 (± 0.0595)	0.7440 (± 0.0496)	0.7346 (± 0.0513)	0.7592 (± 0.0435)	0.6790 (± 0.1092)	0.7364 (± 0.0501)	0.7528 (± 0.0487)	0.7599 (± 0.0454)	0.7575 (± 0.0411)
flrstordiertheoremproving	359969 (1475)	0.8607 (± 0.0088)	0.8519 (± 0.0088)	0.7942 (± 0.0115)	0.8525 (± 0.0097)	0.8519 (± 0.0094)	0.7997 (± 0.0129)	0.7781 (± 0.0100)	0.7607 (± 0.0270)	0.8571 (± 0.0103)	0.8618 (± 0.0088)	0.8587 (± 0.0073)
ozonelevelbfr	190137 (1487)	0.9317 (± 0.0190)	0.9293 (± 0.0195)	0.8691 (± 0.0508)	0.9217 (± 0.0169)	0.9120 (± 0.0346)	0.9152 (± 0.0289)	0.9176 (± 0.0269)	0.9212 (± 0.0264)	0.9321 (± 0.0179)	0.9343 (± 0.0179)	0.9271 (± 0.0188)
phoneme	168350 (1489)	0.9733 (± 0.0075)	0.9640 (± 0.0092)	0.9319 (± 0.0137)	0.9599 (± 0.0098)	0.9631 (± 0.0099)	0.8136 (± 0.0219)	0.8913 (± 0.0109)	0.9127 (± 0.0153)	0.9667 (± 0.0081)	0.9734 (± 0.0073)	0.9729 (± 0.0076)
quarbiodeg	359956 (1494)	0.9421 (± 0.0322)	0.9283 (± 0.0369)	0.9056 (± 0.0344)	0.9308 (± 0.0355)	0.9283 (± 0.0324)	0.9247 (± 0.0317)	0.9270 (± 0.0313)	0.9225 (± 0.0357)	0.9324 (± 0.0410)	0.9401 (± 0.0323)	0.9363 (± 0.0326)
yeast	2073 (181)	0.8638 (± 0.0352)	0.8796 (± 0.0325)	0.8441 (± 0.0252)	0.8514 (± 0.0384)	0.8866 (± 0.0342)	0.8616 (± 0.0400)	0.8651 (± 0.0410)	0.8673 (± 0.0472)	0.8762 (± 0.0303)	0.8822 (± 0.0431)	0.8819 (± 0.0443)
eucalyptus	359954 (188)	0.9328 (± 0.0170)	0.9159 (± 0.0191)	0.8439 (± 0.0153)	0.9130 (± 0.0180)	0.9142 (± 0.0183)	0.9138 (± 0.0178)	0.9095 (± 0.0153)	0.9067 (± 0.0128)	0.9049 (± 0.0231)	0.9361 (± 0.0151)	0.9341 (± 0.0149)
cmc	359959 (23)	0.7449 (± 0.0300)	0.7480 (± 0.0296)	0.6377 (± 0.0313)	0.7464 (± 0.0386)	0.7450 (± 0.0311)	0.7026 (± 0.0407)	0.6970 (± 0.0319)	0.6850 (± 0.0399)	0.7391 (± 0.0402)	0.7552 (± 0.0313)	0.7568 (± 0.0294)
credit	168757 (31)	0.7968 (± 0.0338)	0.7972 (± 0.0317)	0.7431 (± 0.0298)	0.7873 (± 0.0491)	0.7998 (± 0.0327)	0.7879 (± 0.0410)	0.6698 (± 0.1041)	0.7855 (± 0.0205)	0.7962 (± 0.0367)	0.7966 (± 0.0356)	0.8029 (± 0.0363)
krvsip	359965 (3)	0.9998 (± 0.0003)	0.9997 (± 0.0004)	0.9900 (± 0.0040)	0.9997 (± 0.0005)	0.9987 (± 0.0016)	0.9955 (± 0.0028)	0.9996 (± 0.0004)	0.9999 (± 0.0002)	0.9995 (± 0.0009)	0.9995 (± 0.0006)	0.9997 (± 0.0005)
winequalitywhite	359974 (40498)	0.8629 (± 0.0334)	0.8613 (± 0.0194)	0.7094 (± 0.0208)	0.8518 (± 0.0292)	0.8468 (± 0.0284)	0.7226 (± 0.0468)	0.7508 (± 0.0419)	0.8007 (± 0.0334)	0.8674 (± 0.0301)	0.9035 (± 0.0171)	0.9040 (± 0.0122)
dna	359964 (40670)	0.9956 (± 0.0025)	0.9952 (± 0.0027)	0.9642 (± 0.0067)	0.9953 (± 0.0019)	0.9935 (± 0.0034)	0.9945 (± 0.0033)	0.9915 (± 0.0035)	0.9942 (± 0.0035)	0.9952 (± 0.0025)	0.9956 (± 0.0023)	0.9954 (± 0.0024)
chum	359968 (40701)	0.9327 (± 0.0216)	0.9224 (± 0.0254)	0.8478 (± 0.0335)	0.9198 (± 0.0277)	0.9166 (± 0.0210)	0.8621 (± 0.0208)	0.9129 (± 0.0194)	0.9013 (± 0.0225)	0.9201 (± 0.0294)	0.9210 (± 0.0155)	0.9298 (± 0.0174)
Satellite	359975 (40900)	0.9961 (± 0.0036)	0.9923 (± 0.0081)	0.9275 (± 0.0581)	0.9849 (± 0.0236)	0.9828 (± 0.0257)	0.9922 (± 0.0116)	0.9944 (± 0.0059)	0.9917 (± 0.0117)	0.9872 (± 0.0164)	0.9977 (± 0.0014)	0.9963 (± 0.0048)
car	359960 (40975)	1.0000 (± 0.0000)	1.0000 (± 0.0000)	0.9927 (± 0.0032)	1.0000 (± 0.0000)	0.9993 (± 0.0005)	0.9922 (± 0.0027)	0.9998 (± 0.0003)	1.0000 (± 0.0000)	1.0000 (± 0.0000)	1.0000 (± 0.0000)	1.0000 (± 0.0000)
Australian	146818 (40981)	0.9428 (± 0.0216)	0.9466 (± 0.0223)	0.9216 (± 0.0278)	0.9413 (± 0.0204)	0.9389 (± 0.0246)	0.9309 (± 0.0244)	0.9236 (± 0.0264)	0.9299 (± 0.0185)	0.9425 (± 0.0163)	0.9456 (± 0.0203)	0.9433 (± 0.0217)
steepplatesfault	168784 (40982)	0.9716 (± 0.0038)	0.9694 (± 0.0058)	0.9245 (± 0.0126)	0.9668 (± 0.0061)	0.9640 (± 0.0051)	0.9326 (± 0.0087)	0.9433 (± 0.0089)	0.9502 (± 0.0084)	0.9691 (± 0.0035)	0.9788 (± 0.0035)	0.9785 (± 0.0032)
wilt	146820 (40983)	0.9955 (± 0.0065)	0.9930 (± 0.0079)	0.9539 (± 0.0447)	0.9922 (± 0.0083)	0.9877 (± 0.0137)	0.9751 (± 0.0111)	0.9410 (± 0.0346)	0.9937 (± 0.0050)	0.9909 (± 0.0103)	0.9947 (± 0.0088)	0.9948 (± 0.0086)
segment	359963 (40984)	0.9968 (± 0.0012)	0.9961 (± 0.0017)	0.9867 (± 0.0037)	0.9956 (± 0.0022)	0.9956 (± 0.0014)	0.9851 (± 0.0046)	0.9916 (± 0.0033)	0.9912 (± 0.0033)	0.9916 (± 0.0015)	0.9972 (± 0.0012)	0.9974 (± 0.0012)
jasmine	168911 (41143)	0.8873 (± 0.0165)	0.8825 (± 0.0213)	0.8519 (± 0.0257)	0.8894 (± 0.0169)	0.8821 (± 0.0141)	0.8496 (± 0.0160)	0.8355 (± 0.0295)	0.8584 (± 0.0197)	0.8855 (± 0.0180)	0.8913 (± 0.0140)	0.8879 (± 0.0163)
madeline	190392 (41144)	0.9478 (± 0.0085)	0.9382 (± 0.0073)	0.6981 (± 0.0307)	0.9304 (± 0.0121)	0.8721 (± 0.0150)	0.6454 (± 0.0298)	0.7127 (± 0.0319)	0.7015 (± 0.0285)	0.9431 (± 0.0090)	0.9750 (± 0.0048)	0.9748 (± 0.0048)
philippine	190410 (41145)	0.8799 (± 0.0135)	0.8681 (± 0.0158)	0.7735 (± 0.0120)	0.8678 (± 0.0154)	0.8441 (± 0.0161)	0.8018 (± 0.0218)	0.8025 (± 0.0188)	0.7973 (± 0.0205)	0.8747 (± 0.0133)	0.9751 (± 0.0050)	0.9724 (± 0.0049)
sylvine	359972 (41146)	0.9926 (± 0.0035)	0.9885 (± 0.0044)	0.8931 (± 0.0096)	0.9885 (± 0.0044)	0.9822 (± 0.0046)	0.9640 (± 0.0063)	0.9745 (± 0.0057)	0.9731 (± 0.0065)	0.9802 (± 0.0032)	0.9972 (± 0.0017)	0.9964 (± 0.0025)
ada	190411 (41156)	0.9220 (± 0.0171)	0.9199 (± 0.0173)	0.8721 (± 0.0207)	0.9190 (± 0.0177)	0.9142 (± 0.0173)	0.9065 (± 0.0209)	0.8956 (± 0.0216)	0.8994 (± 0.0203)	0.9230 (± 0.0188)	0.9182 (± 0.0184)	0.9172 (± 0.0190)
GesturePhaseSegmentationProcessed	359970 (4538)	0.9448 (± 0.0070)	0.9200 (± 0.0074)	0.8380 (± 0.0108)	0.9168 (± 0.0070)	0.8978 (± 0.0083)	0.7617 (± 0.0090)	0.7825 (± 0.0110)	0.7941 (± 0.0041)	0.9210 (± 0.0073)	0.9493 (± 0.0054)	0.9437 (± 0.0047)
vehicle	190146 (54)	0.9756 (± 0.0063)	0.9376 (± 0.0137)	0.9031 (± 0.0122)	0.9322 (± 0.0105)	0.9315 (± 0.0125)	0.9486 (± 0.0121)	0.9340 (± 0.0196)	0.9664 (± 0.0101)	0.9400 (± 0.0106)	0.9738 (± 0.0052)	0.9732 (± 0.0068)

Supplementary Table 2: **Raw Performance Scores per Dataset for the Regression Test Benchmark.** The table presents the mean and standard deviation of the negative RMSE across all folds per dataset for each compared method after four hours. These are the raw results used to generate our main regression results. The second column details the OpenML tasks and dataset IDs.

Dataset Name	Task (Dataset)	AutoGluon	CatBoost	KNN	LightGBM	RF	Linear Regression	MLP	SVM	XGB	TabPFN (PHE)	TabPFN
Moneyball	16720 (41021)	-21.0021 (± 0.0042)	-21.8862 (± 0.0489)	-43.7007 (± 3.9935)	-22.2264 (± 1.3133)	-24.4470 (± 1.4166)	-21.1843 (± 0.7380)	-21.5401 (± 0.8635)	-22.4235 (± 1.0117)	-22.4135 (± 1.0351)	-20.7921 (± 0.7502)	-20.9335 (± 0.6911)
ymrp_4_1	39946 (416)	-0.9277 (± 0.0049)	-0.0280 (± 0.0048)	-0.0287 (± 0.0047)	-0.0281 (± 0.0048)	-0.0278 (± 0.0048)	-0.0286 (± 0.0048)	-0.0288 (± 0.0121)	-0.1389 (± 0.3048)	-0.0278 (± 0.0048)	-0.0280 (± 0.0048)	-0.0281 (± 0.0048)
SAT10Mdrumtimeregression	39946 (4180)	-187.5117 (± 87.3189)	-1087.0711 (± 55.5539)	-1441.0111 (± 73.3988)	-629.4891 (± 63.0088)	-1103.3541 (± 55.5084)	-1512.0941 (± 41.7046)	-1140.7848 (± 40.7484)	-1814.0961 (± 56.7046)	-1006.4162 (± 56.5274)	-1052.4170 (± 53.5446)	-1052.4170 (± 53.5446)
task_2_1	39949 (422)	-0.0281 (± 0.0048)	-0.0283 (± 0.0048)	-0.0283 (± 0.0048)	-0.0283 (± 0.0048)	-0.0283 (± 0.0048)	-0.0286 (± 0.0048)	-0.0288 (± 0.0048)	-0.0282 (± 0.0048)	-0.0282 (± 0.0048)	-0.0282 (± 0.0048)	-0.0282 (± 0.0048)
financial_grade_returnal	39949 (4238)	-2991.8375 (± 963.7239)	-24766.8884 (± 7624.4787)	-41172.4324 (± 723.9488)	-39001.7792 (± 618.382257)	-29216.8865 (± 9002.8551)	-31863.3206 (± 11057.7958)	-35394.7618 (± 10984.9774)	-72992.1848 (± 6884.7809)	-36488.5096 (± 7807.0299)	-21826.5499 (± 6841.8495)	-2394.6341 (± 984.7589)
Newsclike_Rate_Creational_Manufacturing	23221 (42570)	-4.7564 (± 1.0832)	-8.2710 (± 1.1026)	-9.2702 (± 0.9814)	-4.1343 (± 1.0381)	-8.4403 (± 1.0371)	-8.5241 (± 1.0662)	-6.1680 (± 1.0508)	-6.8570 (± 1.0961)	-1.1670 (± 1.1739)	-8.2135 (± 1.0933)	-8.2414 (± 1.0802)
autism	39944 (42726)	-0.1321 (± 0.0051)	-0.1378 (± 0.0052)	-0.1493 (± 0.0059)	-0.1396 (± 0.0058)	-0.1453 (± 0.0053)	-0.1465 (± 0.0055)	-0.1399 (± 0.0124)	-0.1359 (± 0.0057)	-0.1489 (± 0.0049)	-0.1357 (± 0.0045)	-0.1359 (± 0.0049)
colleges	39944 (42727)	-0.1354 (± 0.0050)	-0.1394 (± 0.0054)	-0.1454 (± 0.0114)	-0.1305 (± 0.0053)	-0.1346 (± 0.0074)	-0.1363 (± 0.0055)	-0.1351 (± 0.0057)	-0.1359 (± 0.0071)	-0.1361 (± 0.0049)	-0.1353 (± 0.0052)	-0.1365 (± 0.0048)
us_cities	39946 (43071)	-20560.6384 (± 546.554)	-21449.0103 (± 3612.2797)	-25057.1756 (± 2570.8231)	-20583.3742 (± 439.9461)	-22929.1425 (± 2192.7170)	-21580.3342 (± 1686.8821)	-24861.1096 (± 2376.9443)	-31791.5722 (± 2143.6984)	-20818.3065 (± 2174.7616)	-19738.0181 (± 2092.4651)	-20277.5602 (± 2195.3658)
MPD10regression	36125 (44057)	-3.0061 (± 0.1326)	-3.0053 (± 0.1700)	-2.5344 (± 0.2080)	-3.3636 (± 0.1095)	-3.4729 (± 0.1864)	-4.8325 (± 0.2062)	-4.4807 (± 0.8650)	-3.2002 (± 0.3348)	-3.2002 (± 0.3348)	-0.9748 (± 0.1355)	-0.8598 (± 0.1254)
airbnb_self_noise	36125 (44058)	-241.2312 (± 56.4365)	-511.0889 (± 64.1043)	-3383.0746 (± 529.2227)	-398.1578 (± 62.2005)	-751.3872 (± 117.8477)	-6185.0761 (± 356.1370)	-2902.3171 (± 773.6211)	-5465.7424 (± 293.8870)	-341.1392 (± 72.5863)	-377.8745 (± 47.3536)	-397.0643 (± 62.2035)
auction_verification	36127 (44059)	-3.6002 (± 0.7055)	-3.6890 (± 0.6452)	-9.0353 (± 0.8600)	-3.6126 (± 0.6121)	-4.8460 (± 0.6867)	-10.4521 (± 0.5211)	-7.8272 (± 1.0742)	-6.2522 (± 0.5851)	-3.8371 (± 0.7216)	-3.4952 (± 0.6653)	-3.6055 (± 0.6147)
concrete_compressive_strength	36128 (44060)	-0.8606 (± 0.0663)	-0.2617 (± 0.0730)	-2.6296 (± 0.1971)	-0.3143 (± 0.0634)	-0.4585 (± 0.0816)	-2.9420 (± 0.2486)	-2.9727 (± 0.2978)	-1.9502 (± 0.1881)	-0.2784 (± 0.0659)	-0.3722 (± 0.0688)	-0.3563 (± 0.0642)
energy_efficiency	36128 (44061)	-14.8767 (± 1.0502)	-15.2125 (± 1.7538)	-16.0880 (± 1.5809)	-15.5384 (± 1.5841)	-15.8007 (± 1.6311)	-16.6821 (± 1.7083)	-17.6265 (± 1.5558)	-15.7064 (± 1.8221)	-15.7386 (± 1.5773)	-14.3053 (± 0.9277)	-14.4734 (± 1.0351)
geographical_origin_of_music	36128 (44062)	-2.6533 (± 0.5596)	-2.0968 (± 0.5447)	-2.8884 (± 0.5625)	-2.8883 (± 0.4981)	-2.8743 (± 0.5245)	-2.7338 (± 0.4983)	-2.7606 (± 0.4923)	-2.7300 (± 0.5743)	-2.6564 (± 0.5078)	-2.6362 (± 0.5268)	-2.6372 (± 0.5281)
student_performance_for	36128 (44070)	-0.8706 (± 0.0680)	-0.8706 (± 0.0638)	-0.8898 (± 0.0592)	-0.8609 (± 0.0717)	-0.8637 (± 0.0647)	-0.8523 (± 0.0888)	-0.8442 (± 0.0848)	-0.8602 (± 0.0598)	-0.8602 (± 0.0598)	-0.8476 (± 0.0622)	-0.8560 (± 0.0680)
QAR_RLI_tauscy	36125 (44073)	-0.0041 (± 0.0003)	-0.0064 (± 0.0002)	-0.0165 (± 0.0005)	-0.0072 (± 0.0001)	-0.0117 (± 0.0003)	-0.0220 (± 0.0007)	-0.0169 (± 0.0019)	-0.0369 (± 0.0008)	-0.0097 (± 0.0004)	-0.0047 (± 0.0003)	-0.0047 (± 0.0003)
cpu_activity	36126 (44078)	-2.0480 (± 0.0877)	-2.1148 (± 0.1343)	-2.8326 (± 0.1109)	-2.1421 (± 0.2845)	-2.4535 (± 0.1803)	-4.4821 (± 0.4848)	-2.5601 (± 0.1384)	-2.1289 (± 0.1571)	-2.1289 (± 0.1571)	-2.0097 (± 0.0964)	-2.0452 (± 0.1366)
kindness	36128 (44080)	-0.0626 (± 0.0035)	-0.0901 (± 0.0030)	-0.1152 (± 0.0025)	-0.1060 (± 0.0024)	-0.1191 (± 0.0037)	-0.2010 (± 0.0036)	-0.1064 (± 0.0037)	-0.0772 (± 0.0020)	-0.0660 (± 0.0021)	-0.0661 (± 0.0024)	-0.0661 (± 0.0024)
primary32oh	36129 (44081)	-0.0200 (± 0.0007)	-0.0211 (± 0.0007)	-0.0336 (± 0.0015)	-0.0217 (± 0.0007)	-0.0216 (± 0.0008)	-0.0304 (± 0.0013)	-0.0304 (± 0.0013)	-0.0212 (± 0.0007)	-0.0212 (± 0.0007)	-0.0206 (± 0.0007)	-0.0207 (± 0.0007)
cars	36132 (44094)	-2080.9364 (± 881.5753)	-2080.9364 (± 881.5753)	-2346.9766 (± 946.4228)	-2244.484 (± 221.2622)	-2211.995 (± 107.8628)	-2941.786 (± 117.5040)	-2168.871 (± 135.3099)	-5481.2717 (± 137.1842)	-2115.3212 (± 238.9058)	-1981.8809 (± 188.1298)	-2023.9613 (± 274.0420)
taxi	39934 (505)	-0.4625 (± 0.1370)	-1.3548 (± 0.4763)	-4.7739 (± 1.2720)	-1.7078 (± 0.5883)	-1.1940 (± 0.2233)	-0.8371 (± 0.3156)	-11.0025 (± 7.4151)	-1.3185 (± 0.6353)	-0.9272 (± 0.2468)	-0.4612 (± 0.1411)	-0.4453 (± 0.1322)
taxi_ga	39935 (507)	-0.9923 (± 0.0181)	-0.1216 (± 0.0184)	-0.1216 (± 0.0184)	-0.1091 (± 0.0181)	-0.1104 (± 0.0211)	-1.108 (± 0.0389)	-0.1051 (± 0.0148)	-0.1091 (± 0.0148)	-0.1091 (± 0.0148)	-0.9913 (± 0.0181)	-0.9913 (± 0.0181)
houston	39950 (1331)	-2.7009 (± 0.7868)	-2.8746 (± 0.9943)	-4.9966 (± 1.2450)	-3.1347 (± 0.9418)	-3.2555 (± 1.0082)	-4.7527 (± 1.1546)	-3.4995 (± 1.2043)	-2.9128 (± 0.7930)	-2.9128 (± 0.7930)	-2.5158 (± 0.7181)	-2.5000 (± 0.7348)
sanctus	39952 (1441)	-11.8004 (± 0.7059)	-15.1792 (± 1.1268)	-17.4632 (± 3.0051)	-14.5792 (± 3.8946)	-18.5558 (± 3.2461)	-24.6218 (± 19.2844)	-21.6415 (± 19.2844)	-23.5444 (± 4.4016)	-11.1491 (± 0.4771)	-10.8460 (± 4.4118)	-10.8460 (± 4.4118)
senary	39983 (1540)	-0.6813 (± 0.0610)	-0.7324 (± 0.0487)	-0.7476 (± 0.0721)	-0.6854 (± 0.0623)	-0.6955 (± 0.0631)	-0.7844 (± 0.0745)	-0.7576 (± 0.0728)	-0.7103 (± 0.0570)	-0.6871 (± 0.0570)	-0.6832 (± 0.0637)	-0.6839 (± 0.0582)
uske	39980 (1545)	-0.1882 (± 0.0097)	-0.1884 (± 0.0102)	-0.1930 (± 0.0075)	-0.1895 (± 0.0104)	-0.1885 (± 0.0094)	-0.1889 (± 0.0103)	-0.1890 (± 0.0110)	-0.1903 (± 0.0110)	-0.1893 (± 0.0094)	-0.1889 (± 0.0102)	-0.1902 (± 0.0112)

Supplementary Table 3: **Raw Performance Scores per Dataset for the Grinsztajn Medium-Sized Benchmark.** The table presents the mean and standard deviation of the ROC AUC score across all folds per dataset for each compared method after four hours. The second column details the OpenML tasks and dataset IDs.

Dataset Name	Task (Dataset)	AutoGluon	CatBoost	KNN	LightGBM	RF	Logistic Regression	MLP	SVM	XGB	TabPFN (PHE)	TabPFN
credit	361055 (44089)	0.8578 (± 0.0069)	0.8578 (± 0.0073)	0.6975 (± 0.0105)	0.8561 (± 0.0079)	0.8545 (± 0.0073)	0.7987 (± 0.0121)	0.8239 (± 0.0111)	0.8131 (± 0.0116)	0.8573 (± 0.0078)	0.8582 (± 0.0071)	0.8575 (± 0.0070)
california	361056 (44090)	0.9712 (± 0.0036)	0.9673 (± 0.0041)	0.9172 (± 0.0063)	0.9665 (± 0.0039)	0.9576 (± 0.0052)	0.9068 (± 0.0082)	0.9208 (± 0.0091)	0.9319 (± 0.0087)	0.9671 (± 0.0041)	0.9757 (± 0.0032)	0.9745 (± 0.0033)
wine	361057 (44091)	0.9191 (± 0.0145)	0.9077 (± 0.0227)	0.8326 (± 0.0160)	0.9052 (± 0.0167)	0.9072 (± 0.0225)	0.8090 (± 0.0259)	0.8391 (± 0.0259)	0.8556 (± 0.0208)	0.9171 (± 0.0167)	0.9107 (± 0.0204)	0.9083 (± 0.0190)
electricity	361060 (44120)	0.9492 (± 0.0037)	0.9402 (± 0.0049)	0.8283 (± 0.0068)	0.9394 (± 0.0039)	0.9279 (± 0.0038)	0.8187 (± 0.0062)	0.8406 (± 0.0071)	0.8649 (± 0.0066)	0.9419 (± 0.0038)	0.9572 (± 0.0027)	0.9541 (± 0.0032)
covertype	361061 (44121)	0.9228 (± 0.0018)	0.8998 (± 0.0009)	0.8520 (± 0.0026)	0.9008 (± 0.0015)	0.8924 (± 0.0017)	0.6629 (± 0.0036)	0.8407 (± 0.0007)	0.8497 (± 0.0018)	0.9045 (± 0.0011)	0.9390 (± 0.0016)	0.9356 (± 0.0027)
pol	361062 (44122)	0.9997 (± 0.0002)	0.9995 (± 0.0003)	0.9932 (± 0.0019)	0.9993 (± 0.0003)	0.9989 (± 0.0005)	0.9416 (± 0.0050)	0.9992 (± 0.0004)	0.9990 (± 0.0006)	0.9994 (± 0.0003)	0.9997 (± 0.0001)	0.9997 (± 0.0001)
house_16H	361063 (44123)	0.9575 (± 0.0028)	0.9559 (± 0.0037)	0.9063 (± 0.0055)	0.9538 (± 0.0038)	0.9486 (± 0.0043)	0.8912 (± 0.0082)	0.9383 (± 0.0048)	0.9346 (± 0.0040)	0.9554 (± 0.0039)	0.9590 (± 0.0033)	0.9582 (± 0.0030)
kdd_ipums_la_97small	361064 (44124)	0.9488 (± 0.0099)	0.9493 (± 0.0096)	0.9031 (± 0.0086)	0.9491 (± 0.0102)	0.9487 (± 0.0093)	0.9278 (± 0.0126)	0.9398 (± 0.0095)	0.9262 (± 0.0126)	0.9492 (± 0.0110)	0.9496 (± 0.0103)	0.9489 (± 0.0107)
MagTelescope	361065 (44125)	0.9457 (± 0.0063)	0.9378 (± 0.0076)	0.8968 (± 0.0076)	0.9351 (± 0.0067)	0.9335 (± 0.0058)	0.8426 (± 0.0088)	0.9179 (± 0.0095)	0.9213 (± 0.0070)	0.9374 (± 0.0073)	0.9479 (± 0.0055)	0.9477 (± 0.0054)
bankmarketing	361066 (44126)	0.8894 (± 0.0064)	0.8874 (± 0.0067)	0.8583 (± 0.0102)	0.8877 (± 0.0060)	0.8825 (± 0.0065)	0.8316 (± 0.0083)	0.8697 (± 0.0075)	0.8690 (± 0.0061)	0.8877 (± 0.0060)	0.8915 (± 0.0068)	0.8896 (± 0.0068)
phoneme	361067 (44127)	0.9616 (± 0.0076)	0.9557 (± 0.0092)	0.9212 (± 0.0147)	0.9527 (± 0.0060)	0.9565 (± 0.0092)	0.8111 (± 0.0338)	0.8747 (± 0.0246)	0.9200 (± 0.0124)	0.9590 (± 0.0082)	0.9633 (± 0.0085)	0.9627 (± 0.0087)
MimboNE	361068 (44128)	0.9847 (± 0.0014)	0.9826 (± 0.0014)	0.9319 (± 0.0035)	0.9819 (± 0.0015)	0.9748 (± 0.0016)	0.9074 (± 0.0045)	0.8988 (± 0.0039)	0.9647 (± 0.0021)	0.9828 (± 0.0014)	0.9844 (± 0.0014)	0.9837 (± 0.0013)
Higgs	361069 (44129)	0.7982 (± 0.0113)	0.7910 (± 0.0113)	0.5605 (± 0.0136)	0.7893 (± 0.0141)	0.7780 (± 0.0141)	0.6791 (± 0.0115)	0.7281 (± 0.0311)	0.6925 (± 0.0025)	0.7925 (± 0.0115)	0.8014 (± 0.0014)	0.7996 (± 0.0020)
eye_movements	361070 (44130)	0.8165 (± 0.0143)	0.7556 (± 0.0176)	0.5935 (± 0.0156)	0.7623 (± 0.0175)	0.7066 (± 0.0134)	0.5857 (± 0.0152)	0.6382 (± 0.0174)	0.6336 (± 0.0152)	0.7770 (± 0.0175)	0.8958 (± 0.0135)	0.8616 (± 0.0151)
jannis	361071 (44131)	0.8651 (± 0.0032)	0.8579 (± 0.0042)	0.7583 (± 0.0065)	0.8547 (± 0.0038)	0.8461 (± 0.0035)	0.8038 (± 0.0040)	0.8261 (± 0.0032)	0.8170 (± 0.0023)	0.8600 (± 0.0035)	0.8712 (± 0.0025)	0.8704 (± 0.0030)
electricity	361110 (44156)	0.9638 (± 0.0033)	0.9496 (± 0.0039)	0.8138 (± 0.0075)	0.9559 (± 0.0036)	0.9409 (± 0.0037)	0.8270 (± 0.0060)	0.8599 (± 0.0060)	0.8695 (± 0.0052)	0.9611 (± 0.0025)	0.9735 (± 0.0021)	0.9742 (± 0.0022)
eye_movements	361111 (44157)	0.8288 (± 0.0128)	0.7633 (± 0.0179)	0.6192 (± 0.0205)	0.7732 (± 0.0080)	0.7174 (± 0.0115)	0.5999 (± 0.0181)	0.6442 (± 0.0136)	0.6505 (± 0.0119)	0.7817 (± 0.0164)	0.8888 (± 0.0163)	0.8307 (± 0.0267)
KDDCup09_upselling	361112 (44158)	0.9059 (± 0.0133)	0.9064 (± 0.0142)	0.7703 (± 0.0134)	0.9069 (± 0.0148)	0.8994 (± 0.0166)	0.8396 (± 0.0170)	0.8381 (± 0.0112)	0.8372 (± 0.0163)	0.9044 (± 0.0154)	0.9088 (± 0.0129)	0.9077 (± 0.0125)
covertype	361113 (44159)	0.9586 (± 0.0009)	0.9388 (± 0.0014)	0.8970 (± 0.0032)	0.9360 (± 0.0019)	0.9267 (± 0.0010)	0.8475 (± 0.0015)	0.8679 (± 0.0026)	0.8696 (± 0.0013)	0.9397 (± 0.0016)	0.9644 (± 0.0015)	0.9615 (± 0.0019)
ri	361114 (44160)	0.9214 (± 0.0143)	0.8965 (± 0.0166)	0.7339 (± 0.0291)	0.8771 (± 0.0173)	0.8582 (± 0.0235)	0.6695 (± 0.0299)	0.7387 (± 0.0208)	0.7232 (± 0.0151)	0.8637 (± 0.0139)	0.9460 (± 0.0142)	0.9405 (± 0.0155)
roadsafety	361115 (44161)	0.8844 (± 0.0032)	0.8580 (± 0.0036)	0.7456 (± 0.0041)	0.8532 (± 0.0045)	0.8453 (± 0.0036)	0.7510 (± 0.0049)	0.8317 (± 0.0050)	0.7868 (± 0.0050)	0.8564 (± 0.0040)	0.8718 (± 0.0020)	0.8697 (± 0.0020)
compass	361116 (44162)	0.8924 (± 0.0075)	0.8364 (± 0.0077)	0.7547 (± 0.0123)	0.8527 (± 0.0079)	0.8394 (± 0.0079)	0.7486 (± 0.0128)	0.7851 (± 0.0126)	0.7804 (± 0.0145)	0.8445 (± 0.0165)	0.8758 (± 0.0124)	0.8708 (± 0.0067)

Supplementary Table 4: **Raw Performance Scores per Dataset for the TabZilla Benchmark.** The table presents the mean and standard deviation of the ROC AUC score across all folds per dataset for each compared method after one hour. The second column details the OpenML tasks and dataset IDs. The second column details the OpenMLtask and dataset IDs.

Dataset Name	Task (Dataset)	AutoGluon	Catboost	KNN	LightGBM	RF	Linear Regression	MLP	SVM	XGB	TabPFN (PHE)	TabPFN
ada_gnostic	3896 (1043)	0.9105 (± 0.0152)	0.9070 (± 0.0145)	0.8537 (± 0.0178)	0.9077 (± 0.0138)	0.9013 (± 0.0141)	0.8969 (± 0.0145)	0.8863 (± 0.0175)	0.8838 (± 0.0129)	0.9107 (± 0.0136)	0.9059 (± 0.0139)	0.9060 (± 0.0131)
pc4	3902 (1049)	0.9527 (± 0.0195)	0.9548 (± 0.0176)	0.8439 (± 0.0505)	0.9416 (± 0.0220)	0.9405 (± 0.0201)	0.9398 (± 0.0306)	0.9386 (± 0.0319)	0.9053 (± 0.0362)	0.9059 (± 0.0164)	0.9589 (± 0.0164)	0.9550 (± 0.0222)
pc3	3903 (1050)	0.8659 (± 0.0382)	0.8503 (± 0.0348)	0.7913 (± 0.0604)	0.8433 (± 0.0340)	0.8480 (± 0.0396)	0.7927 (± 0.0419)	0.8201 (± 0.0380)	0.7599 (± 0.0583)	0.8604 (± 0.0380)	0.8584 (± 0.0372)	0.8618 (± 0.0372)
kc2	3911 (1063)	0.8360 (± 0.0931)	0.8431 (± 0.0972)	0.8154 (± 0.0888)	0.8423 (± 0.0965)	0.8429 (± 0.0828)	0.8406 (± 0.0880)	0.6788 (± 0.2587)	0.8446 (± 0.0881)	0.8460 (± 0.0914)	0.8323 (± 0.0933)	0.8358 (± 0.0924)
cn1	3917 (1067)	0.8265 (± 0.0937)	0.8264 (± 0.0937)	0.7619 (± 0.0629)	0.8069 (± 0.0904)	0.8463 (± 0.0948)	0.7989 (± 0.0938)	0.7557 (± 0.0677)	0.7980 (± 0.0947)	0.8502 (± 0.0937)	0.8502 (± 0.0937)	0.8502 (± 0.0937)
pc1	3918 (1068)	0.8553 (± 0.0417)	0.8791 (± 0.0603)	0.8064 (± 0.0774)	0.8653 (± 0.0561)	0.8579 (± 0.0475)	0.8520 (± 0.0569)	0.8076 (± 0.0540)	0.7369 (± 0.1141)	0.8073 (± 0.0537)	0.8992 (± 0.0412)	0.9066 (± 0.0303)
musk	3959 (1116)	1.0000 (± 0.0001)	1.0000 (± 0.0000)	0.9956 (± 0.0019)	1.000 (± 0.0000)	1.000 (± 0.0000)	1.000 (± 0.0000)	1.000 (± 0.0000)	1.000 (± 0.0000)	0.7418 (± 0.0746)	0.9997 (± 0.0011)	1.000 (± 0.0000)
balancescale	11 (11)	0.9585 (± 0.0035)	0.9586 (± 0.0176)	0.9018 (± 0.0350)	0.9680 (± 0.0015)	0.8549 (± 0.0371)	0.9726 (± 0.0130)	0.9819 (± 0.0050)	0.9885 (± 0.0030)	0.9885 (± 0.0026)	1.0000 (± 0.0000)	1.0000 (± 0.0000)
mtfactors	12 (12)	0.9993 (± 0.0009)	0.9998 (± 0.0016)	0.9959 (± 0.0027)	1.000 (± 0.0010)	0.9984 (± 0.0020)	0.9985 (± 0.0016)	0.9988 (± 0.0016)	0.9995 (± 0.0007)	0.9990 (± 0.0013)	0.9997 (± 0.0004)	0.9997 (± 0.0004)
breastcancer	14579 (91)	0.7119 (± 0.0961)	0.6963 (± 0.0957)	0.6447 (± 0.0830)	0.6734 (± 0.1218)	0.6730 (± 0.1080)	0.6630 (± 0.0995)	0.6230 (± 0.1506)	0.7234 (± 0.0989)	0.7121 (± 0.1132)	0.7216 (± 0.0984)	0.7181 (± 0.0970)
acutemefamations	10089 (1455)	1.000 (± 0.0000)	1.000 (± 0.0000)	1.000 (± 0.0000)	1.000 (± 0.0000)	1.000 (± 0.0000)	1.000 (± 0.0000)	1.000 (± 0.0000)	1.000 (± 0.0000)	1.000 (± 0.0000)	1.000 (± 0.0000)	1.000 (± 0.0000)
banknoteauthentication	10093 (1462)	1.000 (± 0.0000)	1.000 (± 0.0000)	0.9987 (± 0.0028)	1.000 (± 0.0000)	1.000 (± 0.0000)	0.9999 (± 0.0002)	0.9998 (± 0.0004)	0.9998 (± 0.0005)	1.000 (± 0.0000)	1.000 (± 0.0000)	1.000 (± 0.0000)
bloodtransfusionservicecenter	10103 (1464)	0.7448 (± 0.0580)	0.7570 (± 0.0543)	0.7292 (± 0.0595)	0.7381 (± 0.0590)	0.7362 (± 0.0556)	0.7393 (± 0.0434)	0.6585 (± 0.1373)	0.7364 (± 0.0501)	0.7556 (± 0.0446)	0.7621 (± 0.0447)	0.7615 (± 0.0459)
cardiotocography	9974 (1466)	1.000 (± 0.0000)	1.000 (± 0.0000)	1.000 (± 0.0000)	1.000 (± 0.0000)	1.000 (± 0.0000)	1.000 (± 0.0000)	1.000 (± 0.0000)	1.000 (± 0.0000)	1.000 (± 0.0000)	1.000 (± 0.0000)	1.000 (± 0.0000)
fertility	9984 (1473)	0.5367 (± 0.3648)	0.5188 (± 0.3248)	0.6731 (± 0.2360)	0.6858 (± 0.2759)	0.5026 (± 0.2830)	0.4042 (± 0.2946)	0.5674 (± 0.2456)	0.5333 (± 0.2801)	0.6934 (± 0.3310)	0.5458 (± 0.3544)	0.5576 (± 0.2688)
flattestordertoneimproving	9905 (1475)	0.8613 (± 0.0097)	0.8510 (± 0.0089)	0.7842 (± 0.0115)	0.8516 (± 0.0101)	0.8523 (± 0.0086)	0.7997 (± 0.0129)	0.7788 (± 0.0107)	0.7550 (± 0.0310)	0.8541 (± 0.0079)	0.8609 (± 0.0081)	0.8580 (± 0.0085)
hillvalley	145847 (1479)	0.9754 (± 0.0135)	0.6307 (± 0.0372)	0.5920 (± 0.0298)	0.6583 (± 0.0371)	0.6036 (± 0.0416)	0.9284 (± 0.0425)	0.6702 (± 0.0747)	0.9027 (± 0.0533)	0.7054 (± 0.0425)	1.000 (± 0.0000)	0.9999 (± 0.0002)
lipid	9971 (1480)	0.7481 (± 0.0537)	0.7423 (± 0.0692)	0.6740 (± 0.0548)	0.7154 (± 0.0629)	0.7237 (± 0.0428)	0.7552 (± 0.0677)	0.7537 (± 0.0631)	0.6799 (± 0.0547)	0.7193 (± 0.0706)	0.7595 (± 0.0544)	0.7386 (± 0.0634)
ozonelevelvthr	9978 (1487)	0.9336 (± 0.0192)	0.9313 (± 0.0190)	0.8691 (± 0.0508)	0.9233 (± 0.0252)	0.9118 (± 0.0345)	0.9148 (± 0.0295)	0.9212 (± 0.0254)	0.9314 (± 0.0179)	0.9352 (± 0.0184)	0.9272 (± 0.0217)	0.9272 (± 0.0217)
phoneme	9952 (1489)	0.9733 (± 0.0076)	0.9634 (± 0.0092)	0.9319 (± 0.0137)	0.9997 (± 0.0094)	0.9635 (± 0.0097)	0.8136 (± 0.0218)	0.8916 (± 0.0117)	0.9103 (± 0.0117)	0.9640 (± 0.0087)	0.9733 (± 0.0073)	0.9724 (± 0.0075)
quaribode	9957 (1494)	0.9421 (± 0.0168)	0.9287 (± 0.0385)	0.9056 (± 0.0348)	0.9276 (± 0.0425)	0.9333 (± 0.0309)	0.9614 (± 0.0321)	0.9272 (± 0.0357)	0.9345 (± 0.0384)	0.9409 (± 0.0311)	0.9386 (± 0.0311)	0.9386 (± 0.0311)
walltoobnavigation	9960 (1497)	1.000 (± 0.0000)	1.000 (± 0.0000)	0.9653 (± 0.0505)	0.9999 (± 0.0002)	0.9998 (± 0.0000)	0.9085 (± 0.0068)	0.9908 (± 0.0015)	0.9904 (± 0.0019)	1.0000 (± 0.0000)	1.0000 (± 0.0000)	1.0000 (± 0.0000)
mtfearfour	9961 (1498)	0.9878 (± 0.0070)	0.9857 (± 0.0068)	0.9757 (± 0.0066)	0.9842 (± 0.0038)	0.9830 (± 0.0032)	0.9830 (± 0.0032)	0.9795 (± 0.0053)	0.9834 (± 0.0039)	0.9834 (± 0.0039)	0.9921 (± 0.0026)	0.9921 (± 0.0022)
semen	9646 (1501)	0.9986 (± 0.0009)	0.9985 (± 0.0009)	0.9938 (± 0.0029)	0.9974 (± 0.0017)	0.9965 (± 0.0013)	0.9957 (± 0.0019)	0.9962 (± 0.0019)	0.999 (± 0.0006)	0.9980 (± 0.0016)	0.9987 (± 0.0006)	0.9984 (± 0.0006)
wdbc	9948 (1510)	0.9958 (± 0.0037)	0.9947 (± 0.0081)	0.9883 (± 0.0137)	0.9939 (± 0.0081)	0.9896 (± 0.0135)	0.9942 (± 0.0088)	0.9898 (± 0.0155)	0.9887 (± 0.0165)	0.9945 (± 0.0069)	0.9958 (± 0.0080)	0.9950 (± 0.0087)
bankmarketing	8089 (1558)	0.9168 (± 0.0149)	0.9167 (± 0.0149)	0.7474 (± 0.0333)	0.9094 (0.0163)	0.9073 (± 0.0162)	0.8604 (± 0.0259)	0.6979 (± 0.0336)	0.8885 (± 0.0218)	0.8927 (± 0.0511)	0.9293 (± 0.0132)	0.9298 (± 0.0115)
breast	15 (15)	0.9948 (± 0.0048)	0.9961 (± 0.0047)	0.9903 (± 0.0087)	0.9903 (± 0.0083)	0.9922 (± 0.0074)	0.9948 (± 0.0053)	0.9946 (± 0.0065)	0.9955 (± 0.0046)	0.9931 (± 0.0065)	0.9952 (± 0.0041)	0.9950 (± 0.0041)
mtfaskarhunen	16 (16)	0.9996 (± 0.0002)	0.9994 (± 0.0004)	0.9956 (± 0.0023)	0.9988 (± 0.0009)	0.9982 (± 0.0010)	0.9992 (± 0.0016)	0.9973 (± 0.0015)	0.9996 (± 0.0003)	0.9991 (± 0.0005)	0.9997 (± 0.0004)	0.9997 (± 0.0003)
satimage	2074 (182)	0.9944 (± 0.0013)	0.9923 (± 0.0020)	0.9861 (± 0.0029)	0.9916 (± 0.0020)	0.9899 (± 0.0028)	0.9765 (± 0.0056)	0.9850 (± 0.0031)	0.9903 (± 0.0021)	0.9924 (± 0.0020)	0.9955 (± 0.0013)	0.9951 (± 0.0015)
eucalyptus	2079 (188)	0.9349 (± 0.0170)	0.9160 (± 0.0192)	0.8439 (± 0.0153)	0.9331 (± 0.0183)	0.9146 (± 0.0200)	0.9318 (± 0.0180)	0.9082 (± 0.0150)	0.9061 (± 0.0134)	0.9075 (± 0.0218)	0.9365 (± 0.0151)	0.9348 (± 0.0144)
mtfearmorphological	18 (18)	0.9774 (± 0.0065)	0.9652 (± 0.0072)	0.9562 (± 0.0076)	0.9629 (± 0.0082)	0.9660 (± 0.0076)	0.9623 (± 0.0073)	0.9623 (± 0.0073)	0.9623 (± 0.0081)	0.9623 (± 0.0081)	0.9623 (± 0.0081)	0.9623 (± 0.0081)
anneal	2867 (1)	0.9196 (± 0.0423)	0.9999 (± 0.0005)	0.9838 (± 0.0329)	0.9987 (± 0.0003)	0.9810 (± 0.0355)	0.9830 (± 0.0100)	0.9935 (± 0.0176)	0.9927 (± 0.0080)	0.9996 (± 0.0009)	1.000 (± 0.0000)	1.000 (± 0.0000)
mtfearzernike	22 (22)	0.9953 (± 0.0014)	0.9768 (± 0.0027)	0.9781 (± 0.0041)	0.9743 (± 0.0034)	0.9751 (± 0.0038)	0.9615 (± 0.0018)	0.9719 (± 0.0022)	0.9920 (± 0.0016)	0.9755 (± 0.0035)	0.9900 (± 0.0023)	0.9854 (± 0.0021)
cs	14867 (2388)	1.000 (± 0.0000)	1.000 (± 0.0000)	0.9777 (± 0.0140)	1.000 (± 0.0000)	0.9630 (± 0.0174)	0.9841 (± 0.0102)	0.9841 (± 0.0102)	0.9841 (± 0.0102)	0.9841 (± 0.0102)	1.000 (± 0.0000)	1.000 (± 0.0000)
dresseslases	125920 (23301)	0.6054 (± 0.0565)	0.6125 (± 0.0619)	0.5474 (± 0.0740)	0.6153 (± 0.0658)	0.5906 (± 0.0827)	0.6296 (± 0.0610)	0.5209 (± 0.1281)	0.6447 (± 0.0977)	0.5626 (± 0.0865)	0.5934 (± 0.0770)	0.6245 (± 0.0784)
glass	23 (23)	0.7464 (± 0.0580)	0.7464 (± 0.0580)	0.7464 (± 0.0580)	0.7464 (± 0.0580)	0.7464 (± 0.0580)	0.7464 (± 0.0580)	0.7464 (± 0.0580)	0.7464 (± 0.0580)	0.7464 (± 0.0580)	0.7464 (± 0.0580)	0.7464 (± 0.0580)
crushroom	24 (24)	1.000 (± 0.0000)	1.000 (± 0.0000)	1.000 (± 0.0000)	1.000 (± 0.0000)	1.000 (± 0.0000)	1.000 (± 0.0000)	1.000 (± 0.0000)	1.000 (± 0.0000)	1.000 (± 0.0000)	1.000 (± 0.0000)	1.000 (± 0.0000)
colic	25 (25)	0.9262 (± 0.0374)	0.9306 (± 0.0349)	0.8548 (± 0.0827)	0.9178 (± 0.0447)	0.9139 (± 0.0461)	0.8807 (± 0.0747)	0.8608 (± 0.0870)	0.8782 (± 0.0668)	0.8636 (± 0.1232)	0.9412 (± 0.0350)	0.9375 (± 0.0310)
colic	27 (27)	0.8813 (± 0.0580)	0.8886 (± 0.0708)	0.8403 (± 0.0921)	0.8876 (± 0.0519)	0.8862 (± 0.0635)	0.8768 (± 0.0607)	0.8625 (± 0.0636)	0.8664 (± 0.0841)	0.8899 (± 0.0627)	0.8875 (± 0.0597)	0.9047 (± 0.0110)
optdigits	28 (28)	0.9999 (± 0.0001)	0.9999 (± 0.0001)	0.9992 (± 0.0010)	0.9998 (± 0.0002)	0.9996 (± 0.0002)	0.9993 (± 0.0004)	0.9997 (± 0.0002)	0.999 (± 0.0001)	0.9999 (± 0.0001)	0.9999 (± 0.0001)	0.9999 (± 0.0001)
creditapproval	29 (29)	0.9380 (± 0.0341)	0.9383 (± 0.0312)	0.9096 (± 0.0402)	0.9381 (± 0.0355)	0.9321 (± 0.0464)	0.9281 (± 0.0365)	0.9167 (± 0.0472)	0.9188 (± 0.0407)	0.9352 (± 0.0374)	0.9413 (± 0.0391)	0.9410 (± 0.0355)
pageblocks	30 (30)	0.9949 (± 0.0077)	0.9940 (± 0.0032)	0.9639 (± 0.0171)	0.9937 (± 0.0032)	0.9913 (± 0.0047)	0.9823 (± 0.0080)	0.9843 (± 0.0078)	0.9877 (± 0.0054)	0.9944 (± 0.0026)	0.9943 (± 0.0025)	0.9947 (± 0.0025)
scene	3485 (312)	0.9931 (± 0.0037)	0.9884 (± 0.0127)	0.9834 (± 0.0139)	0.9888 (± 0.0134)	0.9472 (± 0.0189)	0.9925 (± 0.0031)	0.9857 (± 0.0185)	0.9890 (± 0.0116)	0.9883 (± 0.0123)	0.9916 (± 0.0094)	0.9922 (± 0.0090)
credit	31 (31)	0.9240 (4664)	0.9240 (4664)	0.9240 (4664)	0.9240 (4664)	0.9240 (4664)	0.9240 (4664)	0.9240 (4664)	0.9240 (4664)	0.9240 (4664)	0.9240 (4664)	0.9240 (4664)
hayesvotr	146063 (329)	0.9620 (± 0.0354)	0.9631 (± 0.0339)	0.8758 (± 0.0613)	0.9664 (± 0.0319)	0.9506 (± 0.0381)	0.9783 (± 0.1028)	0.7694 (± 0.0771)	0.9359 (± 0.0410)	0.9729 (± 0.0302)	0.9674 (± 0.0398)	0.9674 (± 0.0398)
monksproblems2	146065 (334)	1.000 (± 0.0000)	0.9539 (± 0.0309)	0.7967 (± 0.0474)	1.000 (± 0.0000)	0.9546 (± 0.0359)	0.5252 (± 0.0937)	1.000 (± 0.0000)	1.000 (± 0.0000)	1.000 (± 0.0000)	1.000 (± 0.0000)	1.000 (± 0.0000)
dermatology	35 (35)	0.9989 (± 0.0015)	0.9985 (± 0.0023)	0.9950 (± 0.0019)	0.9989 (± 0.0019)	0.9987 (± 0.0022)	0.9987 (± 0.0022)	0.9986 (± 0.0021)	0.9986 (± 0.0021)	0.9986 (± 0.0021)	0.9986 (± 0.0021)	0.9986 (± 0.0021)
japanesevowels	3511 (375)	1.000 (± 0.0001)	0.9999 (± 0.0001)	0.9994 (± 0.0004)	1.000 (± 0.0001)	0.9994 (± 0.0002)	0.9972 (± 0.0006)	0.9985 (± 0.0005)	0.9999 (± 0.0001)	0.9999 (± 0.0001)	1.000 (± 0.0000)	1.000 (± 0.0000)
synthetic_control												