

Table 5.5: A comparison of average misclassification rates between MGH, MST, and MI models with standard deviations in parentheses (replications=20) with $G = 1, \dots, 4$.

Datasets	r	MGH		MST		MI/MGH		MI/MST	
		ERR	ARI	ERR	ARI	ERR	ARI	ERR	ARI
Sim1	5%	0.0608 (0.0292)	0.7744 (0.0925)	0.0688 (0.0557)	0.7712 (0.0998)	0.1206 (0.0302)	0.5935 (0.0874)	0.1185 (0.0341)	0.6069 (0.098)
	10%	0.0578 (0.0116)	0.7823 (0.0412)	0.2769 (0.0895)	0.4558 (0.2147)	0.1879 (0.0392)	0.5029 (0.109)	0.2325 (0.0882)	0.4794 (0.139)
	20%	0.0674 (0.0335)	0.7523 (0.1082)	0.2311 (0.0604)	0.5615 (0.1052)	0.3108 (0.0552)	0.2975 (0.1387)	0.2963 (0.0541)	0.3703 (0.1209)
	30%	0.0746 (0.0309)	0.7267 (0.099)	0.2369 (0.0576)	0.5605 (0.075)	0.4265 (0.1155)	0.2461 (0.1705)	0.3936 (0.0824)	0.2825 (0.1374)
Sim2	5%	0.1114 (0.0398)	0.6092 (0.1061)	0.3174 (0.0936)	0.3703 (0.1716)	0.1769 (0.0534)	0.4482 (0.1331)	0.3348 (0.0986)	0.3444 (0.1437)
	10%	0.1188 (0.0425)	0.5873 (0.1126)	0.4068 (0.1431)	0.4068 (0.1431)	0.3018 (0.1263)	0.3018 (0.1263)	0.3281 (0.1149)	0.3281 (0.1149)
	20%	0.1240 (0.0444)	0.5722 (0.1225)	0.3103 (0.095)	0.4056 (0.1076)	0.3153 (0.0531)	0.3081 (0.1011)	0.3354 (0.0648)	0.294 (0.1311)
	30%	0.1319 (0.0437)	0.5482 (0.1121)	0.3036 (0.0577)	0.386 (0.069)	0.476 (0.0869)	0.1319 (0.1268)	0.4586 (0.086)	0.1723 (0.1109)
Sim3	5%	0.0198 (0.0055)	0.9227 (0.0211)	0.2155 (0.0774)	0.6765 (0.1619)	0.0335 (0.0075)	0.8765 (0.0284)	0.2608 (0.108)	0.5412 (0.2765)
	10%	0.0556 (0.1049)	0.8316 (0.1979)	0.2386 (0.1161)	0.5548 (0.2822)	0.0878 (0.0367)	0.7565 (0.0503)	0.2969 (0.1256)	0.3988 (0.2891)
	20%	0.0744 (0.1010)	0.7629 (0.1855)	0.246 (0.0793)	0.3157 (0.2448)	0.3251 (0.1154)	0.3157 (0.2448)	0.2673 (0.0673)	0.4629 (0.1664)
	30%	0.0769 (0.0141)	0.7162 (0.0476)	0.2473 (0.0938)	0.0904 (0.1201)	0.4741 (0.0726)	0.0904 (0.1201)	0.5329 (0.1012)	0.09 (0.1422)
Sim4	5%	0.2419 (0.1054)	0.3074 (0.1699)	0.441 (0.0632)	0.1751 (0.1035)	0.2066 (0.055)	0.355 (0.1256)	0.3004 (0.1066)	0.1875 (0.0965)
	10%	0.3004 (0.1066)	0.2011 (0.1593)	0.4401 (0.0608)	0.1519 (0.075)	0.2518 (0.0826)	0.2938 (0.1387)	0.4048 (0.0689)	0.1842 (0.0911)
	20%	0.2703 (0.0859)	0.2375 (0.1266)	0.4359 (0.0743)	0.1306 (0.0812)	0.4323 (0.0589)	0.0829 (0.0857)	0.4395 (0.0515)	0.0782 (0.0964)
	30%	0.3101 (0.0836)	0.1691 (0.1088)	0.4356 (0.0589)	0.0975 (0.0535)	0.5004 (0.0532)	0.0101 (0.0246)	0.6058 (0.0241)	0.0043 (0.0169)
Sim5	5%	0.0575 (0.0214)	0.7844 (0.0748)	0.2533 (0.0596)	0.5515 (0.1117)	0.127 (0.0397)	0.5994 (0.1127)	0.2596 (0.052)	0.5138 (0.0749)
	10%	0.072 (0.0257)	0.7346 (0.0872)	0.2545 (0.0879)	0.5235 (0.1428)	0.1986 (0.0476)	0.4692 (0.1087)	0.2403 (0.0646)	0.4556 (0.0896)
	20%	0.0766 (0.0445)	0.7239 (0.1317)	0.2459 (0.0894)	0.5493 (0.1419)	0.3454 (0.0808)	0.2477 (0.1929)	0.2975 (0.065)	0.3767 (0.1543)
	30%	0.1064 (0.0455)	0.6268 (0.1366)	0.2395 (0.0739)	0.5281 (0.1067)	0.3915 (0.0912)	0.2961 (0.1328)	0.3983 (0.0705)	0.2692 (0.1217)
Sim6	5%	0.2211 (0.0515)	0.3198 (0.1062)	0.436 (0.0846)	0.1709 (0.1114)	0.2685 (0.0822)	0.2415 (0.1381)	0.4105 (0.0712)	0.1983 (0.077)
	10%	0.2573 (0.0672)	0.2515 (0.1093)	0.4155 (0.0693)	0.1921 (0.0857)	0.3305 (0.058)	0.1857 (0.0935)	0.4068 (0.1079)	0.176 (0.0958)
	20%	0.2501 (0.0588)	0.2613 (0.1072)	0.3865 (0.0655)	0.1818 (0.0869)	0.5618 (0.0497)	0.0216 (0.0377)	0.5625 (0.0433)	0.006 (0.0146)
	30%	0.2597 (0.0626)	0.2442 (0.1064)	0.4205 (0.1032)	0.1773 (0.0745)	0.4992 (0.0903)	0.0634 (0.0811)	0.4923 (0.0607)	0.1094 (0.0676)