

		1-NN					3-NN					5-NN							
		PA	PA ₁	PA ₂	PV ₁	PV ₂	AUC	PA	PA ₁	PA ₂	PV ₁	PV ₂	AUC	PA	PA ₁	PA ₂	PV ₁	PV ₂	AUC
k_1^{train}	0.1	0.57	0.14	1	NA	0.91	0.57	0.54	0.08	1	NA	0.91	0.64	0.52	0.05	1	NA	0.9	0.68
		(0.059)	(0.118)	(0.021)	(NA)	(0.067)	(0.011)	(0.046)	(0.092)	(0.008)	(NA)	(0.009)	(0.093)	(0.036)	(0.072)	(0.003)	(NA)	(0.007)	(0.098)
0.2	500	0.57	0.13	1	0.86	0.91	0.57	0.54	0.08	1	0.96	0.91	0.64	0.52	0.05	1	0.99	0.9	0.68
		(0.036)	(0.073)	(0.005)	(0.177)	(0.007)	(0.034)	(0.026)	(0.052)	(0.002)	(0.128)	(0.005)	(0.053)	(0.02)	(0.039)	(0.001)	(0.084)	(0.004)	(0.06)
0.3	20	0.76	0.53	0.98	0.94	0.9	0.76	0.74	0.49	1	0.98	0.89	0.88	0.73	0.45	1	0.99	0.88	0.92
		(0.091)	(0.179)	(0.04)	(0.163)	(0.037)	(0.092)	(0.089)	(0.179)	(0.022)	(0.099)	(0.035)	(0.081)	(0.091)	(0.18)	(0.016)	(0.08)	(0.035)	(0.067)
0.4	500	0.76	0.54	0.98	0.9	0.77	0.77	0.75	0.5	0.99	0.96	0.89	0.88	0.73	0.47	1	0.98	0.88	0.92
		(0.048)	(0.099)	(0.013)	(0.068)	(0.02)	(0.048)	(0.053)	(0.107)	(0.006)	(0.039)	(0.021)	(0.039)	(0.054)	(0.11)	(0.004)	(0.032)	(0.021)	(0.03)
0.5	20	0.85	0.74	0.96	0.92	0.9	0.85	0.87	0.75	0.98	0.96	0.91	0.94	0.87	0.75	0.99	0.97	0.9	0.97
		(0.083)	(0.158)	(0.064)	(0.134)	(0.056)	(0.079)	(0.079)	(0.156)	(0.039)	(0.09)	(0.054)	(0.053)	(0.08)	(0.157)	(0.035)	(0.081)	(0.055)	(0.04)
0.6	500	0.85	0.74	0.96	0.9	0.85	0.85	0.87	0.75	0.98	0.95	0.9	0.94	0.87	0.74	0.99	0.97	0.9	0.97
		(0.033)	(0.07)	(0.02)	(0.047)	(0.024)	(0.035)	(0.035)	(0.073)	(0.012)	(0.03)	(0.025)	(0.019)	(0.036)	(0.076)	(0.009)	(0.024)	(0.026)	(0.013)
0.7	20	0.89	0.84	0.94	0.91	0.9	0.89	0.91	0.86	0.96	0.95	0.92	0.97	0.92	0.87	0.97	0.96	0.92	0.98
		(0.072)	(0.127)	(0.014)	(0.105)	(0.07)	(0.073)	(0.065)	(0.117)	(0.064)	(0.085)	(0.065)	(0.041)	(0.061)	(0.112)	(0.056)	(0.075)	(0.062)	(0.03)
0.8	500	0.89	0.84	0.94	0.9	0.89	0.89	0.92	0.87	0.96	0.94	0.92	0.96	0.92	0.88	0.97	0.96	0.92	0.98
		(0.026)	(0.054)	(0.031)	(0.041)	(0.029)	(0.026)	(0.022)	(0.049)	(0.022)	(0.03)	(0.027)	(0.012)	(0.021)	(0.048)	(0.018)	(0.026)	(0.027)	(0.008)
0.9	20	0.9	0.9	0.9	0.91	0.91	0.9	0.93	0.93	0.93	0.93	0.93	0.97	0.94	0.94	0.94	0.95	0.95	0.98
		(0.071)	(0.106)	(0.1)	(0.087)	(0.07)	(0.07)	(0.06)	(0.087)	(0.084)	(0.074)	(0.076)	(0.038)	(0.052)	(0.08)	(0.074)	(0.065)	(0.069)	(0.027)
1.0	500	0.9	0.9	0.9	0.9	0.9	0.9	0.93	0.93	0.93	0.93	0.93	0.97	0.94	0.94	0.94	0.94	0.94	0.98
		(0.022)	(0.039)	(0.042)	(0.035)	(0.033)	(0.023)	(0.017)	(0.031)	(0.034)	(0.029)	(0.027)	(0.011)	(0.015)	(0.028)	(0.03)	(0.027)	(0.025)	(0.007)
RF																			
k_1^{train}	0.1	0.64	0.28	1	0.97	0.93	0.94	0.56	0.12	1	NA	0.91	0.91	0.5	0	1	NA	0.9	0.88
		(0.052)	(0.095)	(0.045)	(0.088)	(0.037)	(0.019)	(0.061)	(0.115)	(0.043)	(0.088)	(0.044)	(0.023)	(0.084)	(0.168)	(0.014)	(0.04)	(0.053)	(0.027)
0.2	500	0.64	0.28	1	0.92	0.93	0.94	0.56	0.11	1	0.94	0.91	0.91	0.5	0	1	NA	0.9	0.89
		(0.049)	(0.097)	(0.004)	(0.101)	(0.009)	(0.028)	(0.032)	(0.064)	(0.002)	(0.124)	(0.006)	(0.042)	(0.003)	(0.007)	(0)	(NA)	(0.001)	(0.038)
0.3	20	0.88	0.78	0.99	0.96	0.95	0.98	0.83	0.66	0.99	0.96	0.92	0.98	0.61	0.21	1	NA	0.84	0.96
		(0.072)	(0.143)	(0.034)	(0.11)	(0.032)	(0.024)	(0.088)	(0.173)	(0.032)	(0.116)	(0.037)	(0.031)	(0.072)	(0.144)	(0.008)	(NA)	(0.026)	(0.039)
0.4	500	0.89	0.79	0.99	0.95	0.95	0.98	0.83	0.67	0.99	0.95	0.92	0.98	0.61	0.22	1	0.99	0.84	0.97
		(0.032)	(0.036)	(0.008)	(0.014)	(0.008)	(0.014)	(0.043)	(0.087)	(0.007)	(0.038)	(0.019)	(0.012)	(0.035)	(0.071)	(0.001)	(0.022)	(0.012)	(0.015)
0.5	20	0.94	0.91	0.98	0.96	0.96	0.99	0.92	0.86	0.98	0.96	0.94	0.99	0.8	0.61	1	0.99	0.86	0.98
		(0.052)	(0.095)	(0.045)	(0.088)	(0.037)	(0.019)	(0.061)	(0.115)	(0.043)	(0.088)	(0.044)	(0.023)	(0.084)	(0.168)	(0.014)	(0.04)	(0.053)	(0.027)
0.6	500	0.94	0.91	0.98	0.95	0.96	0.99	0.92	0.86	0.98	0.95	0.94	0.99	0.8	0.61	1	0.99	0.86	0.98
		(0.016)	(0.031)	(0.011)	(0.025)	(0.012)	(0.004)	(0.022)	(0.045)	(0.011)	(0.025)	(0.017)	(0.005)	(0.033)	(0.067)	(0.004)	(0.015)	(0.021)	(0.007)
0.7	20	0.96	0.94	0.97	0.96	0.96	0.99	0.95	0.93	0.97	0.96	0.96	0.99	0.91	0.84	0.99	0.98	0.91	0.99
		(0.047)	(0.075)	(0.052)	(0.069)	(0.046)	(0.015)	(0.051)	(0.085)	(0.054)	(0.071)	(0.051)	(0.017)	(0.063)	(0.122)	(0.038)	(0.056)	(0.065)	(0.022)
0.8	500	0.96	0.94	0.97	0.96	0.96	0.99	0.95	0.93	0.97	0.96	0.95	0.99	0.91	0.84	0.99	0.98	0.9	0.99
		(0.011)	(0.022)	(0.013)	(0.019)	(0.014)	(0.003)	(0.014)	(0.029)	(0.014)	(0.02)	(0.017)	(0.004)	(0.021)	(0.043)	(0.01)	(0.016)	(0.024)	(0.005)
0.9	20	0.96	0.96	0.96	0.96	0.96	0.99	0.95	0.95	0.95	0.96	0.96	0.99	0.95	0.95	0.95	0.95	0.95	0.99
		(0.044)	(0.063)	(0.063)	(0.056)	(0.056)	(0.016)	(0.046)	(0.067)	(0.068)	(0.059)	(0.059)	(0.018)	(0.048)	(0.068)	(0.071)	(0.063)	(0.061)	(0.019)
1.0	500	0.96	0.96	0.96	0.96	0.96	0.99	0.95	0.95	0.95	0.96	0.96	0.99	0.95	0.95	0.95	0.95	0.95	0.99
		(0.01)	(0.016)	(0.017)	(0.016)	(0.015)	(0.003)	(0.011)	(0.02)	(0.019)	(0.018)	(0.018)	(0.004)	(0.014)	(0.023)	(0.021)	(0.02)	(0.021)	(0.005)
PLR																			
k_1^{train}	0.1	0.52	0.03	1	NA	0.9	0.94	0.52	0.04	1	NA	0.9	0.96	0.53	0.07	1	NA	0.91	0.94
		(0.029)	(0.057)	(0)	(NA)	(0.005)	(0.059)	(0.031)	(0.061)	(0)	(NA)	(0.006)	(0.049)	(0.041)	(0.083)	(0.003)	(NA)	(0.008)	(0.06)
0.2	500	0.52	0.03	1	0.99	0.9	0.94	0.52	0.04	1	1	0.9	0.96	0.53	0.07	1	0.99	0.91	0.94
		(0.011)	(0.023)	(0)	(0.069)	(0.002)	(0.03)	(0.016)	(0.033)	(0)	(0.036)	(0.003)	(0.025)	(0.021)	(0.042)	(0.001)	(0.07)	(0.004)	(0.031)
0.3	20	0.75	0.51	1	0.99	0.89	0.98	0.74	0.48	1	1	0.89	0.99	0.8	0.6	1	0.99	0.91	0.98
		(0.089)	(0.177)	(0.014)	(0.064)	(0.035)	(0.025)	(0.092)	(0.185)	(0.006)	(0.033)	(0.036)	(0.018)	(0.088)	(0.174)	(0.018)	(0.08)	(0.036)	(0.025)
0.4	500	0.76	0.52	1	0.98	0.89	0.98	0.74	0.49	1	1	0.89	0.99	0.8	0.6	1	0.98	0.91	0.98
		(0.045)	(0.09)	(0.003)	(0.024)	(0.018)	(0.009)	(0.049)	(0.099)	(0.001)	(0.011)	(0.019)	(0.006)	(0.044)	(0.089)	(0.004)	(0.023)	(0.018)	(0.009)
0.5	20	0.9	0.81	0.99	0.98	0.93	0.99	0.89	0.79	1	1	0.92	0.99	0.91	0.83	0.99	0.98	0.93	0.99
		(0.067)	(0.132)	(0.028)	(0.063)	(0.048)	(0.02)	(0.069)	(0.138)	(0.015)	(0.032)	(0.049)	(0.013)	(0.064)	(0.125)	(0.034)	(0.07)	(0.046)	(0.019)
0.6	500	0.9	0.81	0.99	0.98	0.93	0.99	0.89	0.79	1	0.99	0.92	1	0.91	0.84	0.99	0.97	0.93	0.99
		(0.026)	(0.053)	(0.007)	(0.017)	(0.029)	(0.005)	(0.029)	(0.058)	(0.003)	(0.009)	(0.021)	(0.003)	(0.024)	(0.048)	(0.007)	(0.019)	(0.018)	(0.005)
0.7	20	0.95	0.92	0.98	0.97	0.95	0.99	0.95	0.91	0.99	0.99	0.95	1	0.95	0.92	0.98	0.97	0.95	0.99
		(0.051)	(0.091)	(0.044)	(0.061)	(0.053)	(0.016)	(0.051)	(0.099)	(0.027)	(0.038)	(0.056)	(0.011)	(0.052)	(0.09)	(0.049)	(0.066)	(0.053)	(0.015)
0.8	500	0.95	0.92	0.98	0.97	0.95	0.99	0.95	0.91	0.99	0.99	0.94	1	0.95	0.92	0.98	0.97	0.95	0.99
		(0.015)	(0.03)	(0.011)	(0.017)	(0.018)	(0.004)	(0.019)	(0.039)	(0.007)	(0.011)	(0.022)	(0.002)	(0.016)	(0.031)	(0.012)	(0.018)	(0.018)	(0.004)
0.9	20	0.96	0.96	0.96	0.96	0.96	0.99	0.96	0.96	0.96	0.96	0.96	0.99	0.96	0.96	0.96	0.96	0.96	0.99
		(0.045)	(0.062)	(0.064)	(0.057)	(0.055)	(0.01												