

Table 1: Weak instruments: coeffs. on $z_1, z_2, z_3 = 0.01$

Average RMSE	$N = 50$	$N = 100$	$N = 500$
Valid Estimator	0.83	0.82	0.81
Full Estimator	0.49	0.49	0.56
FMSC	0.53	0.53	0.56
GMM-BIC	0.71	0.68	0.70
GMM-HQ	0.76	0.75	0.79
GMM-AIC	0.79	0.79	0.86
Downward J-test (90%)	0.64	0.64	0.71
Downward J-test (95%)	0.59	0.59	0.66
CC-MS-C-BIC	0.71	0.66	0.61
CC-MS-C-HQ	0.75	0.73	0.72
CC-MS-C-AIC	0.78	0.78	0.81
Worst-case RMSE	$N = 50$	$N = 100$	$N = 500$
Valid Estimator	1.18	1.14	1.12
Full Estimator	1.31	1.63	3.13
FMSC	1.10	1.17	1.96
GMM-BIC	1.33	1.55	2.93
GMM-HQ	1.31	1.51	2.82
GMM-AIC	1.30	1.46	2.67
Downward J-test (90%)	1.32	1.55	2.88
Downward J-test (95%)	1.33	1.58	2.93
CC-MS-C-BIC	1.08	1.12	1.75
CC-MS-C-HQ	1.10	1.15	1.94
CC-MS-C-AIC	1.16	1.17	2.06
Average Correct Rate	$N = 50$	$N = 100$	$N = 500$
FMSC	0.82	0.83	0.85
GMM-BIC	0.81	0.83	0.84
GMM-HQ	0.74	0.77	0.79
GMM-AIC	0.67	0.69	0.69
Downward J-test (90%)	0.80	0.80	0.80
Downward J-test (95%)	0.85	0.84	0.83
CC-MS-C-BIC	0.72	0.80	0.86
CC-MS-C-HQ	0.67	0.74	0.80
CC-MS-C-AIC	0.61	0.67	0.69