





**Outcome1\_Intercept\_RawBias**

Obs	SampleSize	NumItems	DIFmag	DIFperc	LMSV_1	MMMV_1	SMLV_1	LMSV_2	MMMV_2	SMLV_2	LMSV_3	MMMV_3	SMLV_3	LMSV_4	MMMV_4	SMLV_4
1	500	6	Small	33%	-0.007	-0.0058	0.0039	-0.0013	-0.0009	0.0017	0.0066	0.0010	0.0172	0.0007	-0.0024	0.0160
2	500	6	Small	66%	-0.0028	-0.0099	-0.0006	-0.0046	-0.0045	-0.0037	0.0020	-0.0030	0.0130	-0.0014	-0.0051	0.0124
3	500	6	Large	33%	-0.0009	-0.0003	-0.0036	0.0000	-0.0016	-0.0051	0.0062	0.0012	0.0105	-0.0001	-0.0034	0.0107
4	500	6	Large	66%	-0.0025	-0.0090	0.0039	0.0023	-0.0060	-0.0041	-0.0003	-0.0079	0.0077	0.0029	-0.0080	0.0098
5	500	12	Small	33%	0.0014	0.0049	-0.0008	0.0026	0.0115	-0.0025	0.0032	0.0102	0.0129	0.0015	0.0090	0.0112
6	500	12	Small	66%	0.0009	0.0075	-0.0015	0.0032	0.0140	-0.0076	0.0114	0.0131	0.0085	0.0080	0.0099	0.0077
7	500	12	Large	33%	0.0017	0.0022	-0.0019	0.0004	0.0031	-0.0094	-0.0004	0.0002	0.0074	0.0016	-0.0018	0.0047
8	500	12	Large	66%	-0.0005	-0.0039	-0.0099	-0.0023	-0.0037	-0.0161	-0.0024	-0.0047	-0.0047	0.0007	-0.0026	-0.0032
9	500	24	Small	33%	-0.0014	0.0050	-0.0049	0.0023	0.0080	-0.0122	0.0032	0.0087	0.0059	-0.0022	0.0035	0.0010
10	500	24	Small	66%	-0.0039	0.0047	-0.0020	-0.0069	0.0064	-0.0076	-0.0019	0.0095	0.0077	-0.0068	0.0069	0.0076
11	500	24	Large	33%	0.0076	0.0022	0.0016	0.0097	0.0081	-0.0016	0.0055	0.0052	0.0105	0.0061	0.0029	0.0087
12	500	24	Large	66%	0.0007	-0.0014	-0.0048	0.0007	-0.0025	-0.0113	-0.0046	-0.0072	0.0017	0.0001	-0.0028	0.0071
13	1000	6	Small	33%	-0.0029	0.0024	0.0019	-0.0015	0.0042	-0.0016	0.0063	0.0054	0.0174	0.0003	0.0016	0.0159
14	1000	6	Small	66%	0.0012	-0.0007	0.0008	0.0002	0.0004	-0.0051	0.0042	0.0002	0.0111	-0.0022	-0.0038	0.0095
15	1000	6	Large	33%	-0.0001	0.0015	0.0045	0.0019	0.0025	-0.0037	0.0080	0.0050	0.0123	0.0008	-0.0002	0.0117
16	1000	6	Large	66%	0.0033	0.0003	0.0007	0.0028	0.0006	-0.0020	0.0014	0.0003	0.0103	0.0032	-0.0002	0.0112
17	1000	12	Small	33%	-0.0006	0.0061	0.0013	0.0021	0.0094	-0.0028	0.0024	0.0110	0.0138	-0.0004	0.0086	0.0131
18	1000	12	Small	66%	-0.0095	0.0006	0.0008	-0.0117	0.0047	-0.0054	-0.0047	0.0063	0.0132	-0.0101	0.0033	0.0125
19	1000	12	Large	33%	-0.0006	-0.0015	-0.0041	-0.0007	-0.0001	-0.0087	-0.0019	-0.0034	0.0075	-0.0010	-0.0058	0.0051
20	1000	12	Large	66%	-0.0051	0.0043	-0.0052	-0.0053	0.0069	-0.0078	-0.0074	0.0047	0.0080	-0.0060	0.0035	0.0094
21	1000	24	Small	33%	0.0000	0.0011	-0.0083	0.0027	0.0028	-0.0121	0.0037	0.0019	0.0060	0.0011	0.0010	0.0060
22	1000	24	Small	66%	0.0066	0.0003	0.0031	0.0082	0.0071	-0.0038	0.0146	0.0083	0.0143	0.0090	0.0038	0.0113
23	1000	24	Large	33%	0.0041	0.0006	0.0028	0.0046	0.0052	0.0005	0.0023	0.0037	0.0175	0.0028	0.0023	0.0180
24	1000	24	Large	66%	0.0009	-0.0047	0.0033	0.0003	-0.0035	-0.0032	-0.0023	-0.0072	0.0095	0.0003	-0.0063	0.0113
25	2000	6	Small	33%	-0.0016	0.0011	-0.0004	0.0001	0.0039	-0.0057	0.0061	0.0049	0.0118	-0.0002	0.0007	0.0097
26	2000	6	Small	66%	-0.0017	-0.0020	-0.0004	-0.0029	0.0012	-0.0055	0.0033	0.0015	0.0108	-0.0029	-0.0028	0.0094
27	2000	6	Large	33%	0.0027	0.0005	0.0021	0.0026	0.0031	-0.0014	0.0087	0.0053	0.0135	0.0013	0.0000	0.0127
28	2000	6	Large	66%	0.0020	0.0011	-0.0022	0.0023	0.0045	-0.0074	0.0023	0.0025	0.0057	0.0028	0.0016	0.0077
29	2000	12	Small	33%	0.0026	0.0028	0.0014	0.0035	0.0064	-0.0044	0.0053	0.0044	0.0122	0.0026	0.0024	0.0110
30	2000	12	Small	66%	0.0003	-0.0040	0.0028	-0.0010	-0.0017	-0.0012	0.0039	-0.0012	0.0146	-0.0024	-0.0048	0.0135
31	2000	12	Large	33%	0.0023	-0.0023	0.0003	0.0015	-0.0003	-0.0042	0.0002	-0.0015	0.0126	0.0012	-0.0037	0.0099
32	2000	12	Large	66%	0.0016	-0.0020	-0.0022	0.0032	-0.0003	-0.0063	0.0016	-0.0014	0.0084	0.0018	-0.0029	0.0084
33	2000	24	Small	33%	-0.0024	-0.0038	-0.0024	-0.0038	-0.0004	-0.0068	-0.0012	-0.0007	0.0103	-0.0040	-0.0029	0.0092
34	2000	24	Small	66%	0.0001	0.0021	0.0006	-0.0008	0.0064	-0.0069	0.0067	0.0056	0.0102	0.0003	0.0020	0.0091
35	2000	24	Large	33%	-0.0016	-0.0038	0.0010	0.0005	-0.0013	-0.0059	-0.0015	-0.0019	0.0115	-0.0010	-0.0042	0.0098
36	2000	24	Large	66%	0.0034	-0.0003	0.0000	0.0038	0.0023	-0.0041	0.0023	-0.0006	0.0101	0.0032	-0.0003	0.0125

**Outcome1\_Eta\_RawBias**

Obs	SampleSize	NumItems	DIFmag	DIFperc	LMSV_1	MMMV_1	SMLV_1	LMSV_2	MMMV_2	SMLV_2	LMSV_3	MMMV_3	SMLV_3	LMSV_4	MMMV_4	SMLV_4
1	500	6	Small	33%	-0.010	0.0052	0.0029	-0.0068	-0.0073	-0.0417	-0.0677	-0.0668	-0.1098	-0.0477	-0.0407	-0.0779
2	500	6	Small	66%	-0.038	0.0114	-0.0109	-0.0017	-0.0012	-0.0588	-0.1388	-0.1262	-0.1591	-0.0565	-0.0687	-0.1055
3	500	6	Large	33%	0.0047	0.0006	-0.0006	0.0052	-0.0183	-0.0422	-0.0940	-0.1056	-0.1417	-0.0373	-0.0562	-0.0709
4	500	6	Large	66%	-0.052	-0.0009	0.0002	-0.0174	-0.0284	-0.0648	-0.3064	-0.2946	-0.3105	-0.0695	-0.0887	-0.1081
5	500	12	Small	33%	-0.009	0.0100	0.0016	-0.0115	-0.0058	-0.0273	-0.0665	-0.0415	-0.0555	-0.0318	-0.0175	-0.0397
6	500	12	Small	66%	0.0006	-0.0033	-0.0011	-0.0082	-0.0268	-0.0526	-0.1067	-0.1032	-0.1130	-0.0290	-0.0470	-0.0653
7	500	12	Large	33%	-0.080	0.0031	0.0096	-0.0063	-0.0100	-0.0223	-0.1132	-0.0844	-0.0783	-0.0279	-0.0294	-0.0348
8	500	12	Large	66%	0.0003	-0.0026	-0.0009	-0.0216	-0.0375	-0.0667	-0.2366	-0.2207	-0.2291	-0.0352	-0.0486	-0.0668
9	500	24	Small	33%	0.0065	0.0015	-0.0013	0.0033	-0.0099	-0.0386	-0.0456	-0.0420	-0.0483	-0.0155	-0.0205	-0.0348
10	500	24	Small	66%	0.0000	-0.0018	-0.0048	-0.0168	-0.0235	-0.0520	-0.1005	-0.0865	-0.0873	-0.0293	-0.0300	-0.0453
11	500	24	Large	33%	0.0023	0.0020	0.0010	-0.0044	-0.0088	-0.0336	-0.0970	-0.0736	-0.0689	-0.0180	-0.0190	-0.0280
12	500	24	Large	66%	0.0036	-0.0010	0.0011	-0.0316	-0.0433	-0.0626	-0.2113	-0.1887	-0.1864	-0.0249	-0.0299	-0.0375
13	1000	6	Small	33%	0.0044	0.0005	0.0041	0.0011	-0.0127	-0.0448	-0.0391	-0.0534	-0.0726	-0.0165	-0.0252	-0.0344
14	1000	6	Small	66%	0.0027	0.0065	0.0025	0.0016	-0.0033	-0.0442	-0.1177	-0.1063	-0.1205	-0.0295	-0.0330	-0.0498
15	1000	6	Large	33%	-0.005	-0.0049	0.0031	-0.0024	-0.0210	-0.0341	-0.0803	-0.0844	-0.0989	-0.0236	-0.0334	-0.0252
16	1000	6	Large	66%	0.0017	0.0057	-0.0011	-0.0005	-0.0179	-0.0574	-0.2766	-0.2640	-0.2779	-0.0286	-0.0384	-0.0445
17	1000	12	Small	33%	0.0009	0.0015	0.0035	-0.0014	-0.0069	-0.0312	-0.0491	-0.0365	-0.0398	-0.0128	-0.0111	-0.0174
18	1000	12	Small	66%	0.0000	-0.0050	0.0010	-0.0076	-0.0197	-0.0434	-0.0962	-0.0894	-0.0823	-0.0148	-0.0226	-0.0193
19	1000	12	Large	33%	0.0022	0.0023	0.0035	0.0048	-0.0057	-0.0317	-0.0981	-0.0735	-0.0666	-0.0104	-0.0137	-0.0176
20	1000	12	Large	66%	-0.005	0.0008	0.0050	-0.0207	-0.0329	-0.0586	-0.2291	-0.2043	-0.2009	-0.0196	-0.0189	-0.0164
21	1000	24	Small	33%	0.0061	0.0019	0.0033	0.0035	-0.0069	-0.0256	-0.0367	-0.0320	-0.0290	-0.0029	-0.0084	-0.0116
22	1000	24	Small	66%	0.0035	0.0007	-0.0001	-0.0053	-0.0177	-0.0399	-0.0849	-0.0769	-0.0705	-0.0101	-0.0167	-0.0208
23	1000	24	Large	33%	-0.001	-0.0009	0.0053	-0.0064	-0.0094	-0.0293	-0.0909	-0.0662	-0.0495	-0.0107	-0.0099	-0.0061
24	1000	24	Large	66%	0.0006	0.0001	-0.0029	-0.0281	-0.0343	-0.0696	-0.2010	-0.1765	-0.1773	-0.0116	-0.0127	-0.0234
25	2000	6	Small	33%	0.0015	0.0007	0.0032	-0.0003	-0.0106	-0.0333	-0.0317	-0.0412	-0.0544	-0.0084	-0.0121	-0.0144
26	2000	6	Small	66%	0.0009	0.0000	-0.0007	-0.0018	-0.0093	-0.0335	-0.1147	-0.1012	-0.0973	-0.0175	-0.0193	-0.0211
27	2000	6	Large	33%	-0.031	0.0032	-0.0021	-0.0028	-0.0032	-0.0382	-0.0720	-0.0620	-0.0947	-0.0144	-0.0088	-0.0200
28	2000	6	Large	66%	-0.036	-0.0022	-0.0037	-0.0054	-0.0220	-0.0598	-0.2720	-0.2530	-0.2671	-0.0172	-0.0201	-0.0285
29	2000	12	Small	33%	0.0045	-0.0035	0.0020	0.0060	-0.0142	-0.0378	-0.0380	-0.0384	-0.0352	-0.0006	-0.0114	-0.0112
30	2000	12	Small	66%	0.0006	-0.0001	-0.0025	-0.0048	-0.0164	-0.0470	-0.0910	-0.0808	-0.0800	-0.0079	-0.0117	-0.0154
31	2000	12	Large	33%	0.0039	-0.0003	0.0004	0.0047	-0.0086	-0.0373	-0.0954	-0.0723	-0.0618	-0.0051	-0.0096	-0.0084
32	2000	12	Large	66%	0.0036	0.0043	-0.0009	-0.0140	-0.0257	-0.0638	-0.2182	-0.1941	-0.1980	-0.0053	-0.0065	-0.0125
33	2000	24	Small	33%	-0.030	0.0012	0.0032	-0.0045	-0.0081	-0.0288	-0.0416	-0.0288	-0.0228	-0.0073	-0.0044	-0.0035
34	2000	24	Small	66%	-0.049	0.0034	0.0007	-0.0119	-0.0114	-0.0351	-0.0843	-0.0668	-0.0616	-0.0086	-0.0025	-0.0080
35	2000	24	Large	33%	0.0004	0.0009	-0.0035	-0.0035	-0.0110	-0.0369	-0.0851	-0.0609	-0.0539	-0.0045	-0.0048	-0.0093
36	2000	24	Large	66%	-0.038	0.0013	0.0015	-0.0315	-0.0352	-0.0593	-0.2012	-0.1711	-0.1629	-0.0110	-0.0047	-0.0051

**Outcome2\_Intercept\_RawBias**

Obs	SampleSize	NumItems	DIFmag	DIFperc	LMSV_1	MMMV_1	SMLV_1	LMSV_2	MMMV_2	SMLV_2	LMSV_3	MMMV_3	SMLV_3	LMSV_4	MMMV_4	SMLV_4
1	500	6	Small	33%	0.0045	-0.0061	0.0040	0.0456	0.0162	0.0037	0.0088	-0.0012	0.0166	0.0077	-0.0017	0.0171
2	500	6	Small	66%	0.0007	0.0001	-0.0006	0.0420	0.0224	-0.0013	0.0016	0.0026	0.0114	0.0064	0.0071	0.0160
3	500	6	Large	33%	-0.0026	-0.0019	0.0036	0.0381	0.0129	0.0024	-0.0029	-0.0043	0.0141	0.0006	-0.0025	0.0187
4	500	6	Large	66%	0.0045	-0.0023	-0.0037	0.0499	0.0156	-0.0119	-0.0103	-0.0130	-0.0056	0.0152	0.0022	0.0058
5	500	12	Small	33%	-0.0084	-0.0043	0.0049	0.0214	0.0122	0.0017	-0.0094	-0.0015	0.0184	-0.0080	0.0002	0.0184
6	500	12	Small	66%	0.0015	0.0070	0.0025	0.0334	0.0231	-0.0067	0.0090	0.0096	0.0109	0.0115	0.0111	0.0129
7	500	12	Large	33%	-0.0012	0.0011	-0.0030	0.0245	0.0104	-0.0144	-0.0105	-0.0066	0.0032	-0.0008	-0.0020	0.0054
8	500	12	Large	66%	-0.0006	0.0038	0.0070	0.0241	0.0118	-0.0050	-0.0153	-0.0071	0.0066	0.0029	0.0062	0.0166
9	500	24	Small	33%	-0.0103	-0.0056	-0.0070	0.0109	0.0020	-0.0193	-0.0087	-0.0031	0.0031	-0.0120	-0.0066	-0.0004
10	500	24	Small	66%	-0.0034	0.0051	0.0058	0.0129	0.0108	-0.0056	-0.0044	0.0073	0.0142	-0.0056	0.0079	0.0160
11	500	24	Large	33%	-0.0004	-0.0001	0.0006	0.0192	0.0084	-0.0103	-0.0093	-0.0020	0.0060	-0.0018	0.0015	0.0081
12	500	24	Large	66%	0.0026	-0.0019	-0.0046	0.0181	-0.0016	-0.0191	-0.0145	-0.0175	-0.0024	0.0033	-0.0025	0.0087
13	1000	6	Small	33%	0.0032	0.0053	-0.0051	0.0456	0.0234	-0.0066	0.0092	0.0065	0.0098	0.0074	0.0052	0.0100
14	1000	6	Small	66%	-0.0016	0.0102	0.0027	0.0393	0.0287	-0.0014	-0.0039	0.0069	0.0108	-0.0024	0.0086	0.0131
15	1000	6	Large	33%	-0.0051	0.0023	0.0004	0.0360	0.0194	-0.0077	-0.0054	0.0016	0.0049	-0.0030	0.0029	0.0084
16	1000	6	Large	66%	0.0004	-0.0080	0.0014	0.0402	0.0080	-0.0017	-0.0206	-0.0206	0.0029	0.0011	-0.0061	0.0136
17	1000	12	Small	33%	0.0053	0.0003	-0.0001	0.0368	0.0136	-0.0069	0.0052	0.0036	0.0109	0.0053	0.0037	0.0116
18	1000	12	Small	66%	-0.0015	0.0018	-0.0058	0.0260	0.0162	-0.0153	-0.0004	0.0047	0.0046	-0.0007	0.0060	0.0065
19	1000	12	Large	33%	-0.0005	-0.0049	0.0038	0.0273	0.0049	-0.0048	-0.0090	-0.0129	0.0114	-0.0003	-0.0086	0.0137
20	1000	12	Large	66%	-0.0058	0.0061	-0.0016	0.0208	0.0161	-0.0100	-0.0228	-0.0046	0.0054	-0.0060	0.0062	0.0139
21	1000	24	Small	33%	0.0064	-0.0073	-0.0072	0.0274	-0.0009	-0.0158	0.0078	-0.0077	0.0066	0.0075	-0.0068	0.0077
22	1000	24	Small	66%	0.0072	-0.0011	0.0011	0.0277	0.0097	-0.0116	0.0119	0.0039	0.0109	0.0101	0.0024	0.0097
23	1000	24	Large	33%	0.0052	0.0074	-0.0007	0.0230	0.0148	-0.0100	-0.0024	0.0055	0.0109	0.0044	0.0093	0.0149
24	1000	24	Large	66%	0.0037	-0.0015	-0.0008	0.0189	0.0011	-0.0159	-0.0112	-0.0132	0.0002	0.0037	-0.0026	0.0075
25	2000	6	Small	33%	-0.0054	-0.0022	0.0055	0.0366	0.0172	0.0017	-0.0016	-0.0008	0.0162	-0.0036	-0.0026	0.0160
26	2000	6	Small	66%	-0.0006	-0.0017	-0.0010	0.0395	0.0189	-0.0043	-0.0021	-0.0029	0.0072	-0.0011	-0.0016	0.0092
27	2000	6	Large	33%	-0.0006	0.0029	-0.0004	0.0380	0.0210	-0.0041	-0.0034	0.0019	0.0073	-0.0014	0.0027	0.0107
28	2000	6	Large	66%	0.0009	-0.0001	-0.0005	0.0415	0.0183	-0.0062	-0.0177	-0.0123	-0.0010	0.0025	0.0010	0.0099
29	2000	12	Small	33%	0.0020	-0.0038	-0.0024	0.0326	0.0101	-0.0112	0.0028	-0.0041	0.0069	0.0029	-0.0038	0.0072
30	2000	12	Small	66%	-0.0008	0.0006	0.0000	0.0273	0.0124	-0.0070	-0.0013	-0.0003	0.0095	-0.0028	0.0002	0.0111
31	2000	12	Large	33%	0.0051	-0.0011	0.0011	0.0319	0.0092	-0.0078	-0.0046	-0.0067	0.0089	0.0044	-0.0022	0.0108
32	2000	12	Large	66%	-0.0008	-0.0016	0.0028	0.0271	0.0071	-0.0073	-0.0156	-0.0121	0.0067	-0.0001	-0.0023	0.0136
33	2000	24	Small	33%	-0.0050	0.0000	-0.0013	0.0125	0.0076	-0.0110	-0.0060	0.0011	0.0105	-0.0066	0.0006	0.0105
34	2000	24	Small	66%	0.0026	-0.0010	0.0032	0.0207	0.0076	-0.0104	0.0058	-0.0004	0.0110	0.0028	-0.0009	0.0119
35	2000	24	Large	33%	-0.0036	-0.0019	-0.0024	0.0156	0.0032	-0.0167	-0.0094	-0.0051	0.0048	-0.0026	-0.0021	0.0066
36	2000	24	Large	66%	0.0010	0.0030	-0.0001	0.0168	0.0065	-0.0126	-0.0118	-0.0069	0.0052	0.0009	0.0033	0.0127

**Outcome2\_Eta\_RawBias**

Obs	SampleSize	NumItems	DIFmag	DIFperc	LMSV_1	MMMV_1	SMLV_1	LMSV_2	MMMV_2	SMLV_2	LMSV_3	MMMV_3	SMLV_3	LMSV_4	MMMV_4	SMLV_4
1	500	6	Small	33%	0.0074	-0.0057	-0.0078	-0.1421	-0.0597	-0.0366	-0.0247	-0.0552	-0.0991	-0.0381	-0.0443	-0.0744
2	500	6	Small	66%	-0.0022	-0.0097	-0.0103	-0.1458	-0.0487	-0.0296	-0.0313	-0.0626	-0.0994	-0.0695	-0.0814	-0.0933
3	500	6	Large	33%	-0.0033	-0.0075	0.0031	-0.1542	-0.0667	-0.0168	-0.0417	-0.0758	-0.1095	-0.0576	-0.0669	-0.0605
4	500	6	Large	66%	0.0002	-0.0002	0.0080	-0.1258	-0.0142	0.0163	-0.0514	-0.0958	-0.1636	-0.0824	-0.0882	-0.0906
5	500	12	Small	33%	0.0038	0.0141	-0.0058	-0.1016	-0.0154	-0.0230	-0.0167	-0.0026	-0.0450	-0.0278	-0.0093	-0.0470
6	500	12	Small	66%	0.0116	-0.0020	-0.0027	-0.0773	-0.0230	-0.0115	-0.0036	-0.0302	-0.0602	-0.0279	-0.0411	-0.0598
7	500	12	Large	33%	-0.0027	-0.0051	-0.0010	-0.0842	-0.0242	-0.0049	-0.0195	-0.0266	-0.0457	-0.0293	-0.0392	-0.0462
8	500	12	Large	66%	-0.0067	0.0023	0.0036	-0.0457	0.0241	0.0350	-0.0241	-0.0441	-0.0997	-0.0485	-0.0368	-0.0590
9	500	24	Small	33%	-0.0047	0.0028	0.0081	-0.0591	-0.0087	-0.0097	-0.0123	-0.0131	-0.0209	-0.0205	-0.0172	-0.0237
10	500	24	Small	66%	-0.0072	-0.0069	0.0018	-0.0452	0.0026	0.0046	-0.0169	-0.0256	-0.0348	-0.0317	-0.0310	-0.0348
11	500	24	Large	33%	-0.0001	-0.0008	-0.0008	-0.0390	0.0042	0.0073	-0.0172	-0.0206	-0.0286	-0.0234	-0.0276	-0.0269
12	500	24	Large	66%	-0.0090	0.0082	0.0024	0.0087	0.0646	0.0454	-0.0302	-0.0239	-0.0766	-0.0385	-0.0174	-0.0378
13	1000	6	Small	33%	-0.0021	-0.0013	0.0060	-0.1557	-0.0555	-0.0321	-0.0198	-0.0400	-0.0632	-0.0283	-0.0255	-0.0328
14	1000	6	Small	66%	-0.0012	-0.0008	-0.0091	-0.1446	-0.0395	-0.0275	-0.0141	-0.0337	-0.0757	-0.0444	-0.0382	-0.0549
15	1000	6	Large	33%	-0.0009	0.0027	0.0071	-0.1429	-0.0459	-0.0160	-0.0060	-0.0372	-0.0723	-0.0217	-0.0262	-0.0244
16	1000	6	Large	66%	0.0032	0.0016	-0.0004	-0.1075	-0.0134	0.0083	-0.0046	-0.0660	-0.1305	-0.0288	-0.0429	-0.0394
17	1000	12	Small	33%	-0.0007	-0.0009	-0.0041	-0.0983	-0.0261	-0.0229	-0.0037	-0.0078	-0.0294	-0.0122	-0.0122	-0.0252
18	1000	12	Small	66%	0.0016	0.0001	0.0009	-0.0898	-0.0175	-0.0045	-0.0050	-0.0192	-0.0334	-0.0222	-0.0217	-0.0169
19	1000	12	Large	33%	0.0001	-0.0047	-0.0021	-0.0827	-0.0142	-0.0060	-0.0069	-0.0104	-0.0260	-0.0141	-0.0195	-0.0227
20	1000	12	Large	66%	0.0038	-0.0019	0.0061	-0.0348	0.0257	0.0402	-0.0016	-0.0307	-0.0646	-0.0159	-0.0174	-0.0124
21	1000	24	Small	33%	0.0048	-0.0014	0.0011	-0.0528	-0.0128	-0.0116	0.0014	-0.0097	-0.0199	-0.0055	-0.0129	-0.0191
22	1000	24	Small	66%	0.0039	0.0047	0.0063	-0.0311	0.0128	0.0106	0.0024	-0.0097	-0.0232	-0.0097	-0.0118	-0.0154
23	1000	24	Large	33%	0.0029	0.0006	0.0019	-0.0343	0.0130	0.0082	-0.0054	-0.0033	-0.0151	-0.0100	-0.0075	-0.0117
24	1000	24	Large	66%	0.0042	0.0002	0.0004	0.0248	0.0561	0.0461	-0.0040	-0.0254	-0.0580	-0.0090	-0.0144	-0.0185
25	2000	6	Small	33%	-0.0006	-0.0017	-0.0007	-0.1500	-0.0570	-0.0308	-0.0009	-0.0298	-0.0498	-0.0084	-0.0154	-0.0189
26	2000	6	Small	66%	-0.0040	-0.0007	-0.0002	-0.1380	-0.0387	-0.0077	0.0040	-0.0155	-0.0435	-0.0197	-0.0171	-0.0183
27	2000	6	Large	33%	0.0014	-0.0018	0.0024	-0.1422	-0.0427	-0.0124	0.0040	-0.0229	-0.0628	-0.0103	-0.0127	-0.0131
28	2000	6	Large	66%	-0.0014	0.0005	-0.0004	-0.1122	-0.0045	0.0133	0.0010	-0.0424	-0.1100	-0.0202	-0.0138	-0.0214
29	2000	12	Small	33%	-0.0012	0.0015	-0.0058	-0.1024	-0.0313	-0.0255	-0.0037	-0.0078	-0.0238	-0.0114	-0.0104	-0.0179
30	2000	12	Small	66%	0.0009	-0.0011	0.0022	-0.0846	-0.0125	-0.0038	0.0044	-0.0110	-0.0287	-0.0096	-0.0097	-0.0115
31	2000	12	Large	33%	-0.0008	-0.0018	-0.0025	-0.0866	-0.0143	-0.0050	-0.0068	-0.0039	-0.0170	-0.0137	-0.0109	-0.0106
32	2000	12	Large	66%	-0.0026	0.0023	-0.0015	-0.0412	0.0336	0.0345	0.0009	-0.0201	-0.0660	-0.0120	-0.0053	-0.0087
33	2000	24	Small	33%	0.0034	-0.0014	0.0071	-0.0525	-0.0095	-0.0027	0.0050	-0.0025	-0.0026	-0.0012	-0.0044	0.0007
34	2000	24	Small	66%	0.0063	0.0008	-0.0027	-0.0267	0.0112	0.0032	0.0130	-0.0071	-0.0239	0.0029	-0.0046	-0.0125
35	2000	24	Large	33%	0.0032	0.0009	0.0067	-0.0331	0.0122	0.0142	-0.0009	0.0014	-0.0055	-0.0042	-0.0028	-0.0009
36	2000	24	Large	66%	-0.0022	-0.0038	0.0004	0.0199	0.0495	0.0512	-0.0048	-0.0254	-0.0495	-0.0087	-0.0113	-0.0052

**Outcome2\_Age\_RawBias**

Obs	SampleSize	NumItems	DIFmag	DIFperc	LMSV_1	MMMV_1	SMLV_1	LMSV_2	MMMV_2	SMLV_2	LMSV_3	MMMV_3	SMLV_3	LMSV_4	MMMV_4	SMLV_4
1	500	6	Small	33%	0.0026	0.0021	0.0000	0.1642	0.0698	0.0051	-0.0112	-0.0046	-0.0049	0.0092	0.0064	0.0029
2	500	6	Small	66%	0.0029	-0.0005	0.0097	0.1721	0.0676	0.0176	-0.0165	-0.0164	-0.0022	0.0201	0.0098	0.0220
3	500	6	Large	33%	0.0032	0.0001	-0.0066	0.1593	0.0613	-0.0066	-0.0293	-0.0187	-0.0224	0.0135	0.0071	-0.0030
4	500	6	Large	66%	0.0001	-0.0014	-0.0019	0.1640	0.0601	-0.0036	-0.0626	-0.0471	-0.0385	0.0226	0.0128	0.0102
5	500	12	Small	33%	-0.0028	-0.0026	0.0005	0.1134	0.0376	-0.0103	-0.0121	-0.0103	-0.0044	0.0009	0.0003	0.0038
6	500	12	Small	66%	-0.0036	0.0041	0.0032	0.1150	0.0428	-0.0078	-0.0195	-0.0094	-0.0044	0.0083	0.0103	0.0111
7	500	12	Large	33%	0.0074	0.0002	-0.0010	0.1176	0.0344	-0.0186	-0.0198	-0.0206	-0.0170	0.0113	0.0069	0.0053
8	500	12	Large	66%	0.0054	0.0039	0.0032	0.1100	0.0332	-0.0206	-0.0494	-0.0377	-0.0298	0.0151	0.0098	0.0110
9	500	24	Small	33%	-0.0026	-0.0120	-0.0014	0.0716	0.0057	-0.0226	-0.0138	-0.0181	-0.0069	-0.0048	-0.0110	-0.0002
10	500	24	Small	66%	0.0040	-0.0025	0.0037	0.0800	0.0137	-0.0183	-0.0097	-0.0139	-0.0039	0.0070	0.0000	0.0069
11	500	24	Large	33%	-0.0048	0.0047	0.0081	0.0638	0.0159	-0.0204	-0.0294	-0.0138	-0.0071	-0.0027	0.0092	0.0105
12	500	24	Large	66%	0.0007	-0.0029	-0.0017	0.0632	0.0015	-0.0354	-0.0424	-0.0388	-0.0263	0.0067	0.0010	0.0035
13	1000	6	Small	33%	0.0007	0.0008	-0.0020	0.1635	0.0671	0.0046	-0.0128	-0.0064	-0.0063	0.0052	0.0034	0.0013
14	1000	6	Small	66%	0.0030	0.0022	-0.0042	0.1719	0.0714	0.0016	-0.0193	-0.0146	-0.0182	0.0148	0.0086	0.0017
15	1000	6	Large	33%	0.0017	-0.0055	0.0011	0.1575	0.0566	0.0002	-0.0361	-0.0246	-0.0149	0.0049	0.0017	0.0038
16	1000	6	Large	66%	0.0012	-0.0050	0.0000	0.1608	0.0580	-0.0006	-0.0741	-0.0531	-0.0411	0.0072	0.0038	0.0045
17	1000	12	Small	33%	0.0012	0.0025	-0.0010	0.1174	0.0420	-0.0121	-0.0100	-0.0045	-0.0067	0.0016	0.0055	0.0005
18	1000	12	Small	66%	0.0008	-0.0004	-0.0007	0.1193	0.0398	-0.0144	-0.0158	-0.0130	-0.0132	0.0070	0.0047	0.0004
19	1000	12	Large	33%	0.0046	0.0002	0.0011	0.1155	0.0325	-0.0158	-0.0244	-0.0252	-0.0177	0.0071	0.0021	0.0048
20	1000	12	Large	66%	-0.0062	0.0034	-0.0041	0.0994	0.0313	-0.0279	-0.0640	-0.0402	-0.0395	-0.0033	0.0074	-0.0023
21	1000	24	Small	33%	0.0039	0.0001	0.0021	0.0800	0.0186	-0.0172	-0.0049	-0.0049	-0.0003	0.0048	0.0023	0.0054
22	1000	24	Small	66%	-0.0010	-0.0007	-0.0023	0.0740	0.0154	-0.0261	-0.0175	-0.0130	-0.0124	-0.0002	-0.0001	-0.0018
23	1000	24	Large	33%	-0.0005	0.0010	-0.0019	0.0689	0.0112	-0.0300	-0.0229	-0.0192	-0.0172	0.0027	0.0021	0.0000
24	1000	24	Large	66%	0.0030	-0.0004	0.0023	0.0654	0.0047	-0.0323	-0.0423	-0.0356	-0.0249	0.0062	0.0014	0.0046
25	2000	6	Small	33%	-0.0011	-0.0001	-0.0006	0.1602	0.0668	0.0047	-0.0184	-0.0093	-0.0068	-0.0003	0.0007	0.0013
26	2000	6	Small	66%	0.0042	0.0026	0.0027	0.1689	0.0724	0.0083	-0.0250	-0.0167	-0.0138	0.0069	0.0062	0.0034
27	2000	6	Large	33%	0.0004	0.0019	-0.0006	0.1571	0.0629	-0.0018	-0.0367	-0.0226	-0.0179	0.0031	0.0034	0.0008
28	2000	6	Large	66%	-0.0010	0.0030	-0.0012	0.1591	0.0639	-0.0028	-0.0764	-0.0505	-0.0444	0.0026	0.0050	0.0009
29	2000	12	Small	33%	0.0041	0.0006	0.0029	0.1222	0.0408	-0.0087	-0.0045	-0.0076	-0.0036	0.0074	0.0017	0.0034
30	2000	12	Small	66%	-0.0025	0.0008	-0.0010	0.1150	0.0395	-0.0127	-0.0214	-0.0133	-0.0133	-0.0001	0.0029	0.0005
31	2000	12	Large	33%	-0.0017	-0.0036	0.0002	0.1093	0.0291	-0.0173	-0.0309	-0.0293	-0.0212	0.0005	-0.0026	0.0008
32	2000	12	Large	66%	0.0016	-0.0009	0.0025	0.1075	0.0263	-0.0215	-0.0557	-0.0456	-0.0333	0.0035	0.0001	0.0029
33	2000	24	Small	33%	-0.0038	-0.0004	0.0019	0.0713	0.0166	-0.0194	-0.0137	-0.0081	-0.0033	-0.0039	-0.0013	0.0021
34	2000	24	Small	66%	-0.0030	-0.0040	0.0007	0.0724	0.0131	-0.0229	-0.0192	-0.0154	-0.0093	-0.0025	-0.0028	0.0015
35	2000	24	Large	33%	-0.0031	0.0008	-0.0014	0.0658	0.0110	-0.0312	-0.0264	-0.0197	-0.0180	-0.0011	0.0014	-0.0011
36	2000	24	Large	66%	0.0018	0.0012	0.0010	0.0631	0.0056	-0.0354	-0.0444	-0.0350	-0.0275	0.0022	0.0021	0.0019

*Outcome2\_Sex\_RawBias*

Obs	SampleSize	NumItems	DIFmag	DIFperc	LMSV_1	MMMV_1	SMLV_1	LMSV_2	MMMV_2	SMLV_2	LMSV_3	MMMV_3	SMLV_3	LMSV_4	MMMV_4	SMLV_4
1	500	6	Small	33%	0.0053	0.0083	-0.0003	0.0407	0.0857	0.1175	0.0619	0.0538	0.0438	0.0053	0.0070	-0.0013
2	500	6	Small	66%	0.0007	0.0042	-0.0001	0.0422	0.0953	0.1280	0.0695	0.0783	0.0751	0.0005	0.0044	-0.0003
3	500	6	Large	33%	0.0006	0.0001	-0.0011	0.0571	0.1023	0.1367	0.1090	0.0990	0.0896	0.0018	-0.0002	-0.0027
4	500	6	Large	66%	0.0023	-0.0062	-0.0020	0.0998	0.1447	0.1946	0.1967	0.1957	0.2001	-0.0026	-0.0074	-0.0091
5	500	12	Small	33%	0.0024	-0.0029	-0.0044	0.0269	0.0644	0.1007	0.0336	0.0288	0.0289	0.0029	-0.0029	-0.0054
6	500	12	Small	66%	0.0004	0.0052	0.0028	0.0492	0.0980	0.1363	0.0666	0.0719	0.0743	0.0022	0.0062	0.0041
7	500	12	Large	33%	0.0019	-0.0013	-0.0013	0.0523	0.0946	0.1401	0.0732	0.0726	0.0850	0.0036	-0.0043	-0.0019
8	500	12	Large	66%	-0.0060	-0.0083	0.0060	0.1040	0.1511	0.2135	0.1584	0.1653	0.1873	-0.0078	-0.0090	0.0015
9	500	24	Small	33%	-0.0029	-0.0073	-0.0009	0.0241	0.0537	0.0929	0.0277	0.0202	0.0322	-0.0018	-0.0098	-0.0009
10	500	24	Small	66%	-0.0077	-0.0011	-0.0035	0.0428	0.0846	0.1155	0.0522	0.0593	0.0607	-0.0095	-0.0036	-0.0060
11	500	24	Large	33%	0.0030	0.0023	0.0063	0.0585	0.0934	0.1339	0.0705	0.0687	0.0817	0.0052	-0.0004	0.0050
12	500	24	Large	66%	-0.0014	-0.0067	0.0024	0.1166	0.1533	0.2000	0.1484	0.1477	0.1626	-0.0033	-0.0108	-0.0021
13	1000	6	Small	33%	0.0037	-0.0038	-0.0069	0.0383	0.0772	0.1100	0.0577	0.0433	0.0358	0.0039	-0.0052	-0.0096
14	1000	6	Small	66%	0.0039	-0.0008	0.0006	0.0457	0.0910	0.1309	0.0735	0.0709	0.0764	0.0052	-0.0034	0.0013
15	1000	6	Large	33%	0.0013	-0.0017	-0.0051	0.0571	0.0994	0.1357	0.1090	0.0940	0.0902	0.0022	-0.0035	-0.0056
16	1000	6	Large	66%	0.0033	0.0006	0.0048	0.1025	0.1543	0.2015	0.2046	0.2055	0.2170	0.0029	0.0020	0.0072
17	1000	12	Small	33%	-0.0031	0.0026	0.0016	0.0203	0.0725	0.1072	0.0275	0.0348	0.0355	-0.0037	0.0020	0.0005
18	1000	12	Small	66%	0.0019	0.0000	-0.0050	0.0482	0.0923	0.1265	0.0639	0.0674	0.0644	-0.0004	0.0005	-0.0052
19	1000	12	Large	33%	0.0000	0.0011	-0.0007	0.0487	0.0992	0.1370	0.0705	0.0776	0.0844	0.0008	0.0005	-0.0034
20	1000	12	Large	66%	0.0042	0.0050	0.0001	0.1191	0.1655	0.2095	0.1767	0.1797	0.1876	0.0043	0.0051	0.0002
21	1000	24	Small	33%	0.0001	0.0003	0.0111	0.0266	0.0608	0.1029	0.0292	0.0288	0.0418	0.0002	-0.0010	0.0098
22	1000	24	Small	66%	0.0008	-0.0054	0.0010	0.0530	0.0803	0.1217	0.0623	0.0555	0.0668	0.0000	-0.0083	-0.0004
23	1000	24	Large	33%	0.0025	-0.0044	-0.0028	0.0565	0.0887	0.1251	0.0685	0.0658	0.0738	0.0021	-0.0044	-0.0032
24	1000	24	Large	66%	0.0018	-0.0032	0.0022	0.1225	0.1544	0.2031	0.1553	0.1503	0.1675	0.0010	-0.0055	0.0008
25	2000	6	Small	33%	-0.0011	0.0054	0.0000	0.0328	0.0872	0.1189	0.0526	0.0537	0.0465	-0.0022	0.0044	0.0001
26	2000	6	Small	66%	-0.0048	0.0025	-0.0011	0.0379	0.0931	0.1319	0.0669	0.0774	0.0782	-0.0048	0.0021	-0.0027
27	2000	6	Large	33%	0.0010	0.0025	0.0013	0.0571	0.1050	0.1416	0.1088	0.1023	0.0970	0.0018	0.0017	0.0009
28	2000	6	Large	66%	0.0009	-0.0009	-0.0006	0.1017	0.1522	0.1984	0.2082	0.2059	0.2160	0.0026	-0.0017	0.0012
29	2000	12	Small	33%	0.0017	-0.0014	0.0008	0.0261	0.0678	0.1079	0.0320	0.0312	0.0355	0.0011	-0.0018	0.0011
30	2000	12	Small	66%	0.0032	0.0023	-0.0006	0.0508	0.0952	0.1314	0.0674	0.0684	0.0711	0.0026	0.0014	-0.0001
31	2000	12	Large	33%	0.0027	0.0036	0.0003	0.0516	0.1009	0.1396	0.0735	0.0802	0.0885	0.0034	0.0033	0.0008
32	2000	12	Large	66%	0.0029	-0.0008	0.0050	0.1163	0.1616	0.2125	0.1742	0.1758	0.1908	0.0022	-0.0004	0.0034
33	2000	24	Small	33%	-0.0017	0.0005	0.0056	0.0241	0.0627	0.0983	0.0272	0.0307	0.0372	-0.0024	0.0005	0.0050
34	2000	24	Small	66%	-0.0049	0.0005	-0.0018	0.0465	0.0876	0.1176	0.0558	0.0626	0.0629	-0.0049	0.0004	-0.0034
35	2000	24	Large	33%	-0.0032	-0.0012	0.0001	0.0506	0.0928	0.1301	0.0624	0.0696	0.0777	-0.0038	-0.0004	0.0001
36	2000	24	Large	66%	0.0002	0.0012	-0.0042	0.1192	0.1586	0.1975	0.1531	0.1552	0.1621	-0.0008	0.0012	-0.0053



**Outcome2\_Study\_RawBias**

Obs	SampleSize	NumItems	DIFmag	DIFperc	LMSV_1	MMMV_1	SMLV_1	LMSV_2	MMMV_2	SMLV_2	LMSV_3	MMMV_3	SMLV_3	LMSV_4	MMMV_4	SMLV_4
1	500	6	Small	33%	-0.0034	-0.0004	0.0014	0.2846	0.1263	0.0214	-0.0553	-0.0350	-0.0338	0.0112	0.0098	0.0066
2	500	6	Small	66%	0.0035	-0.0007	0.0047	0.2322	0.0559	-0.0407	-0.1883	-0.1718	-0.1533	0.0333	0.0226	0.0199
3	500	6	Large	33%	0.0037	0.0005	-0.0048	0.2741	0.1077	-0.0029	-0.1046	-0.0842	-0.0843	0.0215	0.0136	0.0041
4	500	6	Large	66%	-0.0061	0.0008	-0.0074	0.1509	-0.0154	-0.1211	-0.4383	-0.3718	-0.3364	0.0326	0.0287	0.0111
5	500	12	Small	33%	0.0025	0.0014	-0.0060	0.1714	0.0389	-0.0520	-0.0883	-0.0841	-0.0827	0.0100	0.0082	-0.0020
6	500	12	Small	66%	-0.0096	0.0024	-0.0006	0.1027	-0.0189	-0.1086	-0.1936	-0.1660	-0.1581	0.0116	0.0112	0.0071
7	500	12	Large	33%	0.0098	0.0016	0.0000	0.1331	-0.0003	-0.0875	-0.1724	-0.1585	-0.1504	0.0157	0.0140	0.0074
8	500	12	Large	66%	-0.0008	0.0102	-0.0047	0.0013	-0.1142	-0.2084	-0.3943	-0.3485	-0.3259	0.0210	0.0191	0.0088
9	500	24	Small	33%	-0.0010	-0.0074	-0.0031	0.0776	-0.0235	-0.0835	-0.0957	-0.0891	-0.0839	-0.0055	-0.0050	-0.0024
10	500	24	Small	66%	0.0146	0.0001	-0.0006	0.0291	-0.0841	-0.1487	-0.1645	-0.1667	-0.1589	0.0225	0.0056	0.0036
11	500	24	Large	33%	-0.0011	0.0006	0.0024	0.0236	-0.0670	-0.1281	-0.1780	-0.1573	-0.1468	0.0015	0.0097	0.0061
12	500	24	Large	66%	0.0169	-0.0044	-0.0080	-0.1016	-0.2188	-0.2759	-0.3551	-0.3549	-0.3194	0.0271	0.0021	-0.0018
13	1000	6	Small	33%	-0.0012	0.0029	0.0002	0.2869	0.1273	0.0212	-0.0529	-0.0352	-0.0349	0.0069	0.0085	0.0057
14	1000	6	Small	66%	0.0018	0.0033	-0.0020	0.2295	0.0596	-0.0503	-0.1927	-0.1718	-0.1624	0.0193	0.0150	0.0068
15	1000	6	Large	33%	0.0034	-0.0043	-0.0091	0.2692	0.1030	-0.0081	-0.1160	-0.0903	-0.0941	0.0082	0.0067	-0.0056
16	1000	6	Large	66%	-0.0003	-0.0075	0.0049	0.1493	-0.0218	-0.1097	-0.4572	-0.3870	-0.3342	0.0084	0.0058	0.0117
17	1000	12	Small	33%	-0.0022	0.0024	-0.0022	0.1658	0.0393	-0.0480	-0.0963	-0.0813	-0.0798	-0.0002	0.0064	0.0017
18	1000	12	Small	66%	-0.0030	-0.0030	-0.0015	0.1110	-0.0236	-0.1114	-0.1859	-0.1718	-0.1656	0.0092	0.0060	0.0010
19	1000	12	Large	33%	0.0027	0.0012	0.0010	0.1283	-0.0069	-0.0849	-0.1804	-0.1710	-0.1532	0.0064	0.0019	0.0062
20	1000	12	Large	66%	-0.0084	-0.0038	-0.0104	-0.0081	-0.1290	-0.2179	-0.4150	-0.3634	-0.3421	-0.0020	0.0022	-0.0065
21	1000	24	Small	33%	-0.0003	-0.0006	-0.0078	0.0814	-0.0167	-0.0838	-0.0910	-0.0833	-0.0825	0.0012	0.0015	-0.0028
22	1000	24	Small	66%	-0.0053	0.0023	-0.0036	0.0064	-0.0844	-0.1543	-0.1898	-0.1673	-0.1641	-0.0044	0.0043	-0.0021
23	1000	24	Large	33%	-0.0026	0.0086	-0.0044	0.0224	-0.0630	-0.1352	-0.1776	-0.1560	-0.1551	0.0021	0.0102	-0.0036
24	1000	24	Large	66%	0.0032	0.0076	0.0019	-0.1167	-0.2007	-0.2651	-0.3742	-0.3345	-0.3137	0.0091	0.0110	0.0055
25	2000	6	Small	33%	0.0008	-0.0040	-0.0034	0.2869	0.1200	0.0153	-0.0574	-0.0464	-0.0427	0.0017	-0.0030	-0.0015
26	2000	6	Small	66%	0.0029	0.0024	0.0015	0.2249	0.0598	-0.0500	-0.2030	-0.1802	-0.1676	0.0083	0.0071	0.0041
27	2000	6	Large	33%	-0.0009	0.0005	0.0021	0.2681	0.1065	0.0011	-0.1205	-0.0952	-0.0849	0.0028	0.0027	0.0035
28	2000	6	Large	66%	-0.0030	0.0061	-0.0032	0.1475	-0.0112	-0.1191	-0.4584	-0.3830	-0.3497	0.0027	0.0103	-0.0001
29	2000	12	Small	33%	0.0032	0.0016	0.0031	0.1742	0.0392	-0.0438	-0.0865	-0.0830	-0.0762	0.0082	0.0043	0.0033
30	2000	12	Small	66%	-0.0003	-0.0042	0.0032	0.1116	-0.0287	-0.1048	-0.1882	-0.1771	-0.1603	0.0039	-0.0026	0.0040
31	2000	12	Large	33%	-0.0078	-0.0034	0.0005	0.1186	-0.0095	-0.0852	-0.1911	-0.1739	-0.1570	-0.0041	-0.0007	0.0020
32	2000	12	Large	66%	0.0053	-0.0040	0.0014	0.0066	-0.1324	-0.2054	-0.3991	-0.3672	-0.3300	0.0077	-0.0022	0.0008
33	2000	24	Small	33%	-0.0019	-0.0029	0.0011	0.0798	-0.0201	-0.0770	-0.0936	-0.0879	-0.0774	-0.0010	-0.0037	0.0019
34	2000	24	Small	66%	-0.0026	-0.0021	0.0027	0.0097	-0.0873	-0.1469	-0.1868	-0.1704	-0.1576	-0.0025	0.0008	0.0036
35	2000	24	Large	33%	-0.0006	0.0056	0.0001	0.0246	-0.0666	-0.1322	-0.1756	-0.1590	-0.1517	0.0026	0.0057	0.0006
36	2000	24	Large	66%	-0.0023	0.0037	0.0022	-0.1223	-0.2046	-0.2675	-0.3786	-0.3385	-0.3143	0.0000	0.0050	0.0041

**Outcome3\_Intercept\_RawBias**

Obs	SampleSize	NumItems	DIFmag	DIFperc	LMSV_1	MMMV_1	SMLV_1	LMSV_2	MMMV_2	SMLV_2	LMSV_3	MMMV_3	SMLV_3	LMSV_4	MMMV_4	SMLV_4
1	500	6	Small	33%	-0.0066	-0.0037	-0.0020	0.0399	0.0217	-0.0005	0.0070	0.0048	0.0114	0.0058	0.0045	0.0121
2	500	6	Small	66%	0.0029	-0.0036	0.0112	0.0486	0.0219	0.0119	0.0111	0.0026	0.0237	0.0158	0.0068	0.0279
3	500	6	Large	33%	-0.0047	-0.0072	0.0092	0.0404	0.0096	0.0087	0.0024	-0.0079	0.0196	0.0058	-0.0060	0.0239
4	500	6	Large	66%	0.0066	-0.0063	-0.0057	0.0567	0.0153	-0.0121	0.0023	-0.0122	-0.0071	0.0247	0.0020	0.0041
5	500	12	Small	33%	0.0028	0.0027	0.0009	0.0382	0.0217	-0.0013	0.0093	0.0084	0.0144	0.0107	0.0100	0.0144
6	500	12	Small	66%	-0.0035	-0.0037	0.0000	0.0320	0.0144	-0.0072	0.0091	0.0011	0.0096	0.0112	0.0026	0.0114
7	500	12	Large	33%	-0.0071	0.0030	-0.0101	0.0232	0.0147	-0.0207	-0.0100	-0.0017	-0.0036	-0.0009	0.0028	-0.0016
8	500	12	Large	66%	0.0001	0.0057	0.0092	0.0289	0.0163	-0.0012	-0.0087	-0.0018	0.0093	0.0085	0.0110	0.0189
9	500	24	Small	33%	-0.0023	-0.0032	-0.0059	0.0225	0.0064	-0.0170	0.0030	0.0009	0.0045	-0.0001	-0.0025	0.0011
10	500	24	Small	66%	0.0076	0.0095	0.0016	0.0272	0.0169	-0.0085	0.0105	0.0132	0.0101	0.0095	0.0137	0.0119
11	500	24	Large	33%	0.0039	-0.0016	-0.0098	0.0264	0.0087	-0.0189	0.0001	-0.0019	-0.0035	0.0072	0.0015	-0.0014
12	500	24	Large	66%	0.0094	-0.0013	0.0108	0.0278	0.0012	-0.0026	-0.0033	-0.0143	0.0138	0.0135	0.0001	0.0245
13	1000	6	Small	33%	0.0144	-0.0005	0.0044	0.0622	0.0212	0.0041	0.0282	0.0045	0.0195	0.0266	0.0033	0.0197
14	1000	6	Small	66%	-0.0047	0.0059	-0.0012	0.0413	0.0269	-0.0032	0.0015	0.0061	0.0076	0.0027	0.0077	0.0100
15	1000	6	Large	33%	-0.0024	0.0011	-0.0045	0.0429	0.0212	-0.0104	0.0046	0.0042	0.0012	0.0068	0.0054	0.0045
16	1000	6	Large	66%	-0.0009	0.0031	-0.0019	0.0442	0.0215	-0.0034	-0.0114	-0.0056	0.0007	0.0082	0.0080	0.0108
17	1000	12	Small	33%	0.0021	-0.0044	-0.0004	0.0376	0.0114	-0.0051	0.0078	0.0015	0.0116	0.0079	0.0016	0.0123
18	1000	12	Small	66%	0.0012	-0.0029	-0.0052	0.0324	0.0136	-0.0126	0.0074	0.0023	0.0060	0.0072	0.0035	0.0078
19	1000	12	Large	33%	-0.0002	0.0005	-0.0087	0.0320	0.0128	-0.0154	-0.0027	-0.0045	0.0000	0.0056	-0.0005	0.0022
20	1000	12	Large	66%	-0.0023	0.0027	0.0025	0.0282	0.0151	-0.0042	-0.0124	-0.0045	0.0100	0.0031	0.0057	0.0181
21	1000	24	Small	33%	0.0048	-0.0001	-0.0051	0.0290	0.0078	-0.0126	0.0102	0.0009	0.0089	0.0099	0.0018	0.0100
22	1000	24	Small	66%	-0.0005	0.0015	-0.0052	0.0234	0.0140	-0.0165	0.0080	0.0082	0.0050	0.0065	0.0069	0.0038
23	1000	24	Large	33%	0.0031	0.0015	-0.0013	0.0240	0.0107	-0.0095	0.0001	0.0017	0.0107	0.0064	0.0053	0.0146
24	1000	24	Large	66%	-0.0019	-0.0033	-0.0018	0.0166	0.0010	-0.0152	-0.0121	-0.0131	0.0001	0.0020	-0.0028	0.0072
25	2000	6	Small	33%	0.0018	0.0006	0.0015	0.0486	0.0228	-0.0006	0.0130	0.0055	0.0129	0.0112	0.0039	0.0127
26	2000	6	Small	66%	-0.0033	-0.0044	-0.0013	0.0425	0.0189	-0.0024	0.0037	-0.0019	0.0079	0.0046	-0.0007	0.0098
27	2000	6	Large	33%	0.0013	-0.0025	-0.0012	0.0448	0.0186	-0.0030	0.0068	0.0002	0.0074	0.0085	0.0009	0.0106
28	2000	6	Large	66%	0.0030	0.0004	0.0007	0.0490	0.0219	-0.0033	-0.0052	-0.0071	0.0016	0.0131	0.0052	0.0119
29	2000	12	Small	33%	0.0027	0.0005	-0.0030	0.0372	0.0166	-0.0099	0.0091	0.0027	0.0072	0.0091	0.0030	0.0075
30	2000	12	Small	66%	0.0014	0.0012	0.0050	0.0335	0.0153	-0.0006	0.0065	0.0030	0.0150	0.0052	0.0034	0.0165
31	2000	12	Large	33%	0.0042	0.0005	0.0026	0.0353	0.0131	-0.0044	0.0005	-0.0024	0.0112	0.0090	0.0018	0.0131
32	2000	12	Large	66%	-0.0030	-0.0004	0.0018	0.0292	0.0103	-0.0065	-0.0105	-0.0082	0.0065	0.0035	0.0009	0.0132
33	2000	24	Small	33%	0.0000	0.0038	0.0010	0.0207	0.0134	-0.0077	0.0031	0.0069	0.0129	0.0025	0.0065	0.0129
34	2000	24	Small	66%	-0.0004	-0.0026	0.0021	0.0211	0.0079	-0.0103	0.0068	-0.0001	0.0103	0.0039	-0.0006	0.0113
35	2000	24	Large	33%	0.0000	0.0007	0.0025	0.0217	0.0074	-0.0105	-0.0024	-0.0009	0.0102	0.0041	0.0020	0.0118
36	2000	24	Large	66%	-0.0002	0.0005	0.0007	0.0188	0.0056	-0.0105	-0.0084	-0.0076	0.0065	0.0036	0.0023	0.0138

**Outcome3\_Eta\_RawBias**

Obs	SampleSize	NumItems	DIFmag	DIFperc	LMSV_1	MMMV_1	SMLV_1	LMSV_2	MMMV_2	SMLV_2	LMSV_3	MMMV_3	SMLV_3	LMSV_4	MMMV_4	SMLV_4
1	500	6	Small	33%	-0.0085	-0.0031	0.0050	-0.2553	-0.1316	-0.0908	-0.1451	-0.1187	-0.1367	-0.1562	-0.1098	-0.1123
2	500	6	Small	66%	0.0033	0.0088	-0.0125	-0.2264	-0.0992	-0.0978	-0.1141	-0.0991	-0.1496	-0.1495	-0.1188	-0.1468
3	500	6	Large	33%	-0.0048	0.0040	-0.0019	-0.2345	-0.1079	-0.0773	-0.1236	-0.1084	-0.1516	-0.1386	-0.1010	-0.1070
4	500	6	Large	66%	-0.0015	0.0045	-0.0001	-0.2095	-0.0772	-0.0552	-0.1390	-0.1492	-0.2083	-0.1656	-0.1396	-0.1405
5	500	12	Small	33%	0.0132	0.0071	-0.0070	-0.1555	-0.0708	-0.0608	-0.0731	-0.0520	-0.0754	-0.0847	-0.0583	-0.0772
6	500	12	Small	66%	-0.0035	-0.0020	0.0040	-0.1546	-0.0666	-0.0475	-0.0850	-0.0712	-0.0887	-0.1060	-0.0821	-0.0891
7	500	12	Large	33%	-0.0090	0.0041	-0.0069	-0.1556	-0.0589	-0.0515	-0.0892	-0.0600	-0.0849	-0.0982	-0.0724	-0.0855
8	500	12	Large	66%	0.0078	-0.0081	-0.0052	-0.0957	-0.0365	-0.0207	-0.0735	-0.0975	-0.1392	-0.0935	-0.0930	-0.0993
9	500	24	Small	33%	0.0038	0.0001	0.0075	-0.0899	-0.0455	-0.0362	-0.0464	-0.0459	-0.0420	-0.0554	-0.0506	-0.0439
10	500	24	Small	66%	0.0035	-0.0028	0.0071	-0.0821	-0.0283	-0.0191	-0.0535	-0.0511	-0.0491	-0.0703	-0.0553	-0.0482
11	500	24	Large	33%	-0.0038	-0.0018	0.0100	-0.0832	-0.0225	-0.0132	-0.0624	-0.0459	-0.0408	-0.0681	-0.0515	-0.0398
12	500	24	Large	66%	-0.0077	-0.0010	0.0010	-0.0348	0.0215	0.0097	-0.0718	-0.0631	-0.1032	-0.0777	-0.0576	-0.0646
13	1000	6	Small	33%	-0.0096	0.0006	-0.0008	-0.2482	-0.1241	-0.0919	-0.1165	-0.0981	-0.1102	-0.1233	-0.0850	-0.0816
14	1000	6	Small	66%	-0.0015	-0.0021	0.0028	-0.2301	-0.1060	-0.0800	-0.1033	-0.0943	-0.1127	-0.1317	-0.0995	-0.0915
15	1000	6	Large	33%	-0.0022	-0.0040	-0.0007	-0.2289	-0.1220	-0.0785	-0.0975	-0.1050	-0.1177	-0.1116	-0.0952	-0.0726
16	1000	6	Large	66%	0.0051	0.0039	0.0039	-0.2011	-0.0737	-0.0492	-0.1034	-0.1194	-0.1744	-0.1223	-0.0939	-0.0845
17	1000	12	Small	33%	0.0003	-0.0006	-0.0076	-0.1585	-0.0784	-0.0764	-0.0663	-0.0540	-0.0699	-0.0743	-0.0585	-0.0665
18	1000	12	Small	66%	-0.0031	0.0008	-0.0022	-0.1557	-0.0617	-0.0556	-0.0725	-0.0587	-0.0737	-0.0888	-0.0613	-0.0575
19	1000	12	Large	33%	0.0084	-0.0027	-0.0057	-0.1338	-0.0636	-0.0558	-0.0600	-0.0561	-0.0647	-0.0673	-0.0639	-0.0614
20	1000	12	Large	66%	-0.0054	-0.0009	0.0022	-0.1088	-0.0275	-0.0131	-0.0763	-0.0773	-0.1027	-0.0875	-0.0637	-0.0501
21	1000	24	Small	33%	0.0007	-0.0031	-0.0007	-0.0987	-0.0433	-0.0442	-0.0452	-0.0359	-0.0428	-0.0513	-0.0391	-0.0419
22	1000	24	Small	66%	-0.0049	-0.0076	-0.0029	-0.0890	-0.0344	-0.0313	-0.0546	-0.0520	-0.0561	-0.0661	-0.0534	-0.0490
23	1000	24	Large	33%	-0.0151	-0.0016	-0.0029	-0.0946	-0.0256	-0.0297	-0.0664	-0.0369	-0.0430	-0.0696	-0.0408	-0.0388
24	1000	24	Large	66%	0.0009	0.0136	-0.0018	-0.0239	0.0406	0.0061	-0.0518	-0.0376	-0.0883	-0.0543	-0.0240	-0.0479
25	2000	6	Small	33%	0.0021	-0.0015	-0.0041	-0.2283	-0.1184	-0.0873	-0.0860	-0.0852	-0.0940	-0.0932	-0.0713	-0.0644
26	2000	6	Small	66%	0.0061	0.0014	-0.0004	-0.2202	-0.1009	-0.0766	-0.0821	-0.0732	-0.0924	-0.1038	-0.0736	-0.0688
27	2000	6	Large	33%	-0.0018	-0.0001	0.0004	-0.2297	-0.1067	-0.0761	-0.0922	-0.0792	-0.1113	-0.1048	-0.0686	-0.0641
28	2000	6	Large	66%	0.0014	-0.0006	0.0001	-0.2031	-0.0777	-0.0413	-0.0928	-0.1061	-0.1517	-0.1107	-0.0757	-0.0629
29	2000	12	Small	33%	-0.0026	0.0003	0.0046	-0.1644	-0.0790	-0.0600	-0.0689	-0.0515	-0.0470	-0.0760	-0.0537	-0.0407
30	2000	12	Small	66%	-0.0056	-0.0024	-0.0008	-0.1522	-0.0641	-0.0504	-0.0670	-0.0581	-0.0622	-0.0801	-0.0561	-0.0451
31	2000	12	Large	33%	0.0022	0.0011	0.0002	-0.1428	-0.0574	-0.0495	-0.0653	-0.0431	-0.0501	-0.0706	-0.0485	-0.0438
32	2000	12	Large	66%	-0.0046	-0.0027	-0.0013	-0.1123	-0.0196	-0.0137	-0.0742	-0.0675	-0.0997	-0.0819	-0.0504	-0.0427
33	2000	24	Small	33%	-0.0035	-0.0051	-0.0034	-0.1034	-0.0476	-0.0417	-0.0474	-0.0371	-0.0344	-0.0529	-0.0389	-0.0312
34	2000	24	Small	66%	-0.0024	0.0009	-0.0012	-0.0831	-0.0232	-0.0229	-0.0427	-0.0369	-0.0432	-0.0516	-0.0344	-0.0314
35	2000	24	Large	33%	0.0032	-0.0002	-0.0035	-0.0699	-0.0238	-0.0270	-0.0381	-0.0310	-0.0382	-0.0407	-0.0343	-0.0331
36	2000	24	Large	66%	-0.0038	0.0001	-0.0028	-0.0274	0.0200	0.0121	-0.0511	-0.0504	-0.0796	-0.0541	-0.0346	-0.0347

**Outcome3\_Age\_RawBias**

Obs	SampleSize	NumItems	DIFmag	DIFperc	LMSV_1	MMMV_1	SMLV_1	LMSV_2	MMMV_2	SMLV_2	LMSV_3	MMMV_3	SMLV_3	LMSV_4	MMMV_4	SMLV_4
1	500	6	Small	33%	-0.0041	-0.0025	0.0010	0.1780	0.0781	0.0150	0.0213	0.0066	0.0037	0.0387	0.0175	0.0112
2	500	6	Small	66%	-0.0047	0.0002	-0.0071	0.1845	0.0809	0.0096	0.0096	-0.0021	-0.0112	0.0431	0.0228	0.0121
3	500	6	Large	33%	0.0099	0.0009	-0.0011	0.1842	0.0719	0.0059	0.0089	-0.0075	-0.0109	0.0486	0.0178	0.0081
4	500	6	Large	66%	0.0044	-0.0052	-0.0029	0.1861	0.0687	0.0038	-0.0209	-0.0333	-0.0317	0.0552	0.0226	0.0155
5	500	12	Small	33%	-0.0002	-0.0057	-0.0011	0.1340	0.0438	-0.0072	0.0142	-0.0034	-0.0027	0.0270	0.0068	0.0051
6	500	12	Small	66%	0.0047	-0.0024	0.0015	0.1382	0.0451	-0.0032	0.0135	-0.0054	-0.0012	0.0383	0.0135	0.0140
7	500	12	Large	33%	-0.0004	-0.0017	-0.0029	0.1267	0.0410	-0.0140	-0.0026	-0.0123	-0.0135	0.0264	0.0146	0.0079
8	500	12	Large	66%	-0.0024	0.0060	0.0010	0.1201	0.0449	-0.0163	-0.0323	-0.0226	-0.0270	0.0281	0.0226	0.0122
9	500	24	Small	33%	-0.0059	-0.0012	-0.0001	0.0805	0.0237	-0.0174	-0.0016	-0.0002	-0.0028	0.0074	0.0068	0.0038
10	500	24	Small	66%	-0.0038	-0.0022	0.0016	0.0868	0.0214	-0.0159	0.0000	-0.0066	-0.0033	0.0170	0.0065	0.0075
11	500	24	Large	33%	0.0034	-0.0049	-0.0025	0.0841	0.0119	-0.0264	-0.0046	-0.0175	-0.0146	0.0207	0.0048	0.0030
12	500	24	Large	66%	0.0021	-0.0012	0.0053	0.0773	0.0105	-0.0226	-0.0240	-0.0287	-0.0145	0.0223	0.0099	0.0144
13	1000	6	Small	33%	0.0098	0.0004	0.0034	0.1910	0.0789	0.0171	0.0290	0.0073	0.0050	0.0451	0.0167	0.0123
14	1000	6	Small	66%	0.0028	0.0065	-0.0023	0.1910	0.0866	0.0120	0.0144	0.0045	-0.0091	0.0456	0.0265	0.0102
15	1000	6	Large	33%	0.0062	0.0026	-0.0001	0.1821	0.0765	0.0070	0.0037	-0.0008	-0.0095	0.0410	0.0239	0.0084
16	1000	6	Large	66%	0.0000	-0.0051	-0.0015	0.1815	0.0685	0.0061	-0.0328	-0.0372	-0.0334	0.0399	0.0158	0.0100
17	1000	12	Small	33%	0.0002	-0.0035	0.0007	0.1329	0.0461	-0.0028	0.0123	0.0004	0.0004	0.0232	0.0100	0.0074
18	1000	12	Small	66%	0.0007	-0.0006	0.0015	0.1349	0.0480	-0.0049	0.0073	-0.0037	-0.0052	0.0288	0.0133	0.0079
19	1000	12	Large	33%	-0.0039	0.0021	0.0018	0.1235	0.0446	-0.0080	-0.0100	-0.0113	-0.0114	0.0201	0.0145	0.0102
20	1000	12	Large	66%	-0.0013	0.0031	0.0016	0.1207	0.0415	-0.0145	-0.0319	-0.0276	-0.0274	0.0239	0.0177	0.0079
21	1000	24	Small	33%	0.0073	-0.0007	0.0011	0.0955	0.0240	-0.0134	0.0138	0.0003	0.0017	0.0230	0.0073	0.0073
22	1000	24	Small	66%	-0.0008	0.0029	-0.0031	0.0881	0.0262	-0.0216	0.0007	-0.0018	-0.0096	0.0171	0.0106	0.0008
23	1000	24	Large	33%	0.0074	-0.0029	0.0030	0.0881	0.0150	-0.0198	0.0015	-0.0153	-0.0087	0.0252	0.0052	0.0079
24	1000	24	Large	66%	-0.0031	-0.0036	-0.0016	0.0721	0.0078	-0.0301	-0.0306	-0.0325	-0.0240	0.0149	0.0035	0.0042
25	2000	6	Small	33%	0.0012	0.0018	-0.0009	0.1817	0.0793	0.0114	0.0162	0.0060	-0.0011	0.0329	0.0154	0.0066
26	2000	6	Small	66%	-0.0037	0.0002	0.0003	0.1829	0.0806	0.0148	0.0029	-0.0046	-0.0087	0.0324	0.0167	0.0077
27	2000	6	Large	33%	0.0001	0.0000	-0.0006	0.1760	0.0727	0.0068	-0.0013	-0.0095	-0.0102	0.0349	0.0148	0.0076
28	2000	6	Large	66%	0.0005	-0.0029	0.0021	0.1819	0.0705	0.0080	-0.0343	-0.0381	-0.0328	0.0372	0.0131	0.0099
29	2000	12	Small	33%	0.0041	-0.0018	0.0011	0.1383	0.0475	-0.0042	0.0185	0.0002	-0.0009	0.0295	0.0090	0.0059
30	2000	12	Small	66%	0.0005	0.0022	0.0011	0.1335	0.0503	-0.0043	0.0056	-0.0011	-0.0066	0.0255	0.0143	0.0066
31	2000	12	Large	33%	0.0008	-0.0024	0.0005	0.1282	0.0395	-0.0097	-0.0049	-0.0175	-0.0150	0.0243	0.0079	0.0062
32	2000	12	Large	66%	0.0022	0.0008	0.0000	0.1257	0.0372	-0.0167	-0.0257	-0.0322	-0.0299	0.0278	0.0107	0.0049
33	2000	24	Small	33%	0.0028	0.0041	0.0011	0.0905	0.0284	-0.0155	0.0093	0.0037	-0.0010	0.0185	0.0102	0.0043
34	2000	24	Small	66%	-0.0012	-0.0013	-0.0003	0.0874	0.0230	-0.0197	-0.0003	-0.0056	-0.0073	0.0152	0.0067	0.0032
35	2000	24	Large	33%	-0.0027	-0.0002	0.0006	0.0772	0.0175	-0.0240	-0.0121	-0.0130	-0.0124	0.0122	0.0073	0.0039
36	2000	24	Large	66%	0.0009	-0.0001	-0.0029	0.0753	0.0114	-0.0336	-0.0274	-0.0288	-0.0269	0.0168	0.0069	0.0014

*Outcome3\_Sex\_RawBias*

Obs	SampleSize	NumItems	DIFmag	DIFperc	LMSV_1	MMMV_1	SMLV_1	LMSV_2	MMMV_2	SMLV_2	LMSV_3	MMMV_3	SMLV_3	LMSV_4	MMMV_4	SMLV_4
1	500	6	Small	33%	0.0017	0.0027	0.0093	0.0329	0.0751	0.1209	0.0517	0.0458	0.0513	0.0019	0.0017	0.0082
2	500	6	Small	66%	0.0033	0.0010	-0.0014	0.0403	0.0878	0.1180	0.0656	0.0726	0.0695	0.0023	0.0013	-0.0027
3	500	6	Large	33%	0.0007	0.0015	0.0003	0.0514	0.0999	0.1302	0.0999	0.0973	0.0869	0.0012	0.0015	-0.0015
4	500	6	Large	66%	0.0017	-0.0023	-0.0048	0.0907	0.1393	0.1780	0.1796	0.1880	0.1864	-0.0029	-0.0037	-0.0128
5	500	12	Small	33%	0.0024	0.0028	0.0080	0.0260	0.0671	0.1088	0.0330	0.0337	0.0400	0.0038	0.0033	0.0065
6	500	12	Small	66%	-0.0040	0.0009	0.0032	0.0399	0.0896	0.1320	0.0561	0.0644	0.0730	-0.0039	0.0010	0.0045
7	500	12	Large	33%	0.0036	0.0051	-0.0058	0.0502	0.0974	0.1290	0.0699	0.0762	0.0768	0.0049	0.0016	-0.0068
8	500	12	Large	66%	-0.0084	0.0009	0.0013	0.0964	0.1517	0.1985	0.1483	0.1656	0.1754	-0.0094	0.0005	-0.0030
9	500	24	Small	33%	-0.0012	0.0065	0.0004	0.0245	0.0653	0.0925	0.0278	0.0331	0.0334	-0.0007	0.0040	0.0009
10	500	24	Small	66%	0.0017	0.0092	0.0059	0.0506	0.0925	0.1222	0.0595	0.0683	0.0691	-0.0003	0.0069	0.0031
11	500	24	Large	33%	-0.0036	-0.0070	0.0042	0.0495	0.0820	0.1291	0.0610	0.0582	0.0786	-0.0015	-0.0091	0.0028
12	500	24	Large	66%	0.0014	0.0042	-0.0022	0.1145	0.1582	0.1892	0.1456	0.1534	0.1539	-0.0003	0.0004	-0.0063
13	1000	6	Small	33%	-0.0048	-0.0030	0.0034	0.0264	0.0723	0.1138	0.0444	0.0414	0.0442	-0.0045	-0.0045	0.0009
14	1000	6	Small	66%	0.0003	0.0044	0.0007	0.0384	0.0905	0.1249	0.0643	0.0719	0.0741	0.0016	0.0020	0.0021
15	1000	6	Large	33%	0.0032	0.0008	0.0113	0.0537	0.0945	0.1435	0.1014	0.0902	0.1020	0.0036	-0.0009	0.0106
16	1000	6	Large	66%	0.0030	0.0032	-0.0059	0.0928	0.1476	0.1803	0.1859	0.1964	0.1961	0.0029	0.0045	-0.0040
17	1000	12	Small	33%	0.0014	-0.0006	-0.0017	0.0232	0.0658	0.0984	0.0299	0.0302	0.0308	0.0006	-0.0013	-0.0029
18	1000	12	Small	66%	0.0028	-0.0003	-0.0025	0.0460	0.0883	0.1227	0.0608	0.0646	0.0641	0.0005	0.0004	-0.0028
19	1000	12	Large	33%	-0.0048	-0.0072	-0.0002	0.0414	0.0862	0.1313	0.0621	0.0657	0.0822	-0.0042	-0.0080	-0.0025
20	1000	12	Large	66%	0.0022	-0.0008	-0.0023	0.1086	0.1522	0.1970	0.1620	0.1663	0.1778	0.0021	-0.0006	-0.0022
21	1000	24	Small	33%	0.0056	-0.0059	-0.0054	0.0309	0.0531	0.0837	0.0334	0.0221	0.0246	0.0056	-0.0070	-0.0067
22	1000	24	Small	66%	0.0040	-0.0010	-0.0007	0.0532	0.0813	0.1153	0.0622	0.0578	0.0631	0.0034	-0.0034	-0.0020
23	1000	24	Large	33%	0.0041	0.0035	-0.0030	0.0548	0.0933	0.1201	0.0660	0.0716	0.0714	0.0034	0.0036	-0.0035
24	1000	24	Large	66%	0.0022	-0.0090	0.0003	0.1177	0.1464	0.1940	0.1490	0.1427	0.1608	0.0015	-0.0113	-0.0010
25	2000	6	Small	33%	0.0000	-0.0019	0.0091	0.0310	0.0747	0.1217	0.0494	0.0438	0.0537	-0.0010	-0.0028	0.0093
26	2000	6	Small	66%	0.0053	-0.0032	0.0006	0.0444	0.0820	0.1249	0.0714	0.0676	0.0760	0.0055	-0.0035	-0.0010
27	2000	6	Large	33%	0.0008	0.0000	-0.0042	0.0516	0.0960	0.1273	0.0989	0.0941	0.0866	0.0015	-0.0010	-0.0048
28	2000	6	Large	66%	-0.0045	-0.0004	-0.0007	0.0867	0.1422	0.1883	0.1846	0.1936	0.2066	-0.0032	-0.0011	0.0010
29	2000	12	Small	33%	-0.0045	0.0024	-0.0041	0.0184	0.0681	0.0994	0.0240	0.0334	0.0298	-0.0050	0.0017	-0.0038
30	2000	12	Small	66%	0.0003	0.0002	-0.0008	0.0448	0.0886	0.1255	0.0605	0.0634	0.0687	-0.0001	-0.0008	-0.0002
31	2000	12	Large	33%	-0.0001	0.0019	0.0039	0.0458	0.0951	0.1374	0.0666	0.0756	0.0892	0.0003	0.0015	0.0043
32	2000	12	Large	66%	-0.0026	0.0008	0.0010	0.1031	0.1554	0.1993	0.1568	0.1694	0.1804	-0.0029	0.0011	-0.0007
33	2000	24	Small	33%	-0.0056	-0.0041	0.0026	0.0190	0.0556	0.0921	0.0219	0.0250	0.0333	-0.0062	-0.0042	0.0022
34	2000	24	Small	66%	0.0030	-0.0023	-0.0016	0.0515	0.0820	0.1150	0.0605	0.0579	0.0619	0.0029	-0.0025	-0.0031
35	2000	24	Large	33%	-0.0011	-0.0035	-0.0002	0.0508	0.0875	0.1249	0.0622	0.0653	0.0751	-0.0017	-0.0026	-0.0001
36	2000	24	Large	66%	0.0025	-0.0018	0.0003	0.1163	0.1515	0.1951	0.1487	0.1485	0.1618	0.0015	-0.0017	-0.0007

**Outcome3\_Study\_RawBias**

Obs	SampleSize	NumItems	DIFmag	DIFperc	LMSV_1	MMMV_1	SMLV_1	LMSV_2	MMMV_2	SMLV_2	LMSV_3	MMMV_3	SMLV_3	LMSV_4	MMMV_4	SMLV_4
1	500	6	Small	33%	0.0002	-0.0089	-0.0047	0.3229	0.1389	0.0293	0.0197	-0.0149	-0.0268	0.0778	0.0279	0.0120
2	500	6	Small	66%	-0.0060	0.0047	-0.0170	0.2626	0.0870	-0.0437	-0.1271	-0.1374	-0.1549	0.0767	0.0495	0.0108
3	500	6	Large	33%	0.0108	0.0015	-0.0058	0.3129	0.1254	0.0080	-0.0386	-0.0633	-0.0730	0.0781	0.0318	0.0121
4	500	6	Large	66%	0.0082	-0.0044	-0.0122	0.2076	0.0085	-0.1041	-0.3300	-0.3299	-0.3155	0.0963	0.0470	0.0167
5	500	12	Small	33%	-0.0068	-0.0094	0.0026	0.1947	0.0461	-0.0336	-0.0528	-0.0741	-0.0656	0.0411	0.0141	0.0129
6	500	12	Small	66%	0.0169	-0.0048	-0.0017	0.1626	-0.0076	-0.0963	-0.1120	-0.1493	-0.1471	0.0763	0.0212	0.0140
7	500	12	Large	33%	-0.0105	-0.0017	-0.0001	0.1465	0.0137	-0.0745	-0.1409	-0.1399	-0.1369	0.0347	0.0274	0.0147
8	500	12	Large	66%	-0.0049	0.0070	-0.0023	0.0373	-0.0907	-0.1860	-0.3413	-0.3143	-0.3032	0.0521	0.0350	0.0175
9	500	24	Small	33%	-0.0096	-0.0041	0.0056	0.0912	-0.0061	-0.0669	-0.0755	-0.0715	-0.0691	0.0122	0.0106	0.0108
10	500	24	Small	66%	-0.0072	-0.0021	-0.0072	0.0360	-0.0702	-0.1453	-0.1515	-0.1531	-0.1588	0.0303	0.0145	0.0015
11	500	24	Large	33%	0.0040	-0.0003	-0.0068	0.0533	-0.0562	-0.1276	-0.1389	-0.1453	-0.1487	0.0326	0.0174	0.0024
12	500	24	Large	66%	0.0058	0.0065	0.0050	-0.0812	-0.1869	-0.2465	-0.3248	-0.3186	-0.2918	0.0407	0.0256	0.0173
13	1000	6	Small	33%	0.0098	0.0033	-0.0004	0.3294	0.1489	0.0320	0.0180	-0.0081	-0.0239	0.0718	0.0334	0.0148
14	1000	6	Small	66%	0.0028	0.0040	-0.0037	0.2693	0.0830	-0.0351	-0.1204	-0.1373	-0.1470	0.0736	0.0389	0.0161
15	1000	6	Large	33%	0.0020	-0.0002	-0.0029	0.3024	0.1281	0.0109	-0.0525	-0.0552	-0.0746	0.0611	0.0355	0.0099
16	1000	6	Large	66%	-0.0012	0.0007	0.0009	0.1981	0.0122	-0.0938	-0.3548	-0.3352	-0.3100	0.0658	0.0354	0.0194
17	1000	12	Small	33%	0.0033	0.0009	-0.0021	0.2017	0.0577	-0.0342	-0.0464	-0.0605	-0.0683	0.0443	0.0238	0.0101
18	1000	12	Small	66%	-0.0023	-0.0007	0.0043	0.1442	-0.0024	-0.0893	-0.1362	-0.1468	-0.1445	0.0471	0.0243	0.0154
19	1000	12	Large	33%	-0.0038	0.0041	0.0027	0.1535	0.0172	-0.0687	-0.1408	-0.1412	-0.1378	0.0370	0.0237	0.0158
20	1000	12	Large	66%	0.0008	-0.0094	0.0044	0.0420	-0.1078	-0.1828	-0.3377	-0.3337	-0.3066	0.0453	0.0151	0.0154
21	1000	24	Small	33%	0.0025	-0.0031	0.0014	0.1070	-0.0069	-0.0651	-0.0589	-0.0737	-0.0666	0.0291	0.0090	0.0114
22	1000	24	Small	66%	-0.0005	0.0033	-0.0077	0.0418	-0.0659	-0.1453	-0.1457	-0.1474	-0.1575	0.0300	0.0173	-0.0005
23	1000	24	Large	33%	0.0124	-0.0008	0.0044	0.0625	-0.0555	-0.1144	-0.1263	-0.1475	-0.1368	0.0423	0.0133	0.0105
24	1000	24	Large	66%	-0.0010	-0.0026	-0.0054	-0.0888	-0.1968	-0.2550	-0.3343	-0.3302	-0.3052	0.0303	0.0101	0.0041
25	2000	6	Small	33%	-0.0045	0.0046	-0.0024	0.3137	0.1467	0.0277	-0.0052	-0.0130	-0.0303	0.0493	0.0280	0.0092
26	2000	6	Small	66%	-0.0046	0.0070	-0.0024	0.2603	0.0872	-0.0352	-0.1367	-0.1418	-0.1522	0.0577	0.0348	0.0115
27	2000	6	Large	33%	0.0006	0.0001	-0.0022	0.3029	0.1267	0.0112	-0.0526	-0.0667	-0.0735	0.0594	0.0256	0.0107
28	2000	6	Large	66%	0.0009	-0.0038	0.0007	0.2000	0.0090	-0.0973	-0.3563	-0.3427	-0.3204	0.0639	0.0247	0.0130
29	2000	12	Small	33%	0.0009	-0.0018	0.0024	0.2013	0.0534	-0.0329	-0.0449	-0.0657	-0.0675	0.0439	0.0179	0.0101
30	2000	12	Small	66%	0.0001	0.0052	0.0027	0.1446	0.0020	-0.0907	-0.1363	-0.1419	-0.1485	0.0431	0.0246	0.0104
31	2000	12	Large	33%	-0.0046	-0.0029	-0.0012	0.1533	0.0098	-0.0724	-0.1405	-0.1502	-0.1453	0.0354	0.0161	0.0086
32	2000	12	Large	66%	0.0044	0.0026	0.0004	0.0484	-0.1012	-0.1866	-0.3280	-0.3272	-0.3117	0.0475	0.0201	0.0078
33	2000	24	Small	33%	0.0004	0.0043	0.0008	0.1062	0.0014	-0.0681	-0.0594	-0.0657	-0.0706	0.0285	0.0158	0.0064
34	2000	24	Small	66%	0.0016	0.0053	0.0024	0.0429	-0.0636	-0.1375	-0.1452	-0.1462	-0.1501	0.0292	0.0201	0.0079
35	2000	24	Large	33%	-0.0061	0.0019	0.0044	0.0413	-0.0542	-0.1159	-0.1525	-0.1454	-0.1376	0.0192	0.0140	0.0098
36	2000	24	Large	66%	-0.0005	-0.0015	-0.0010	-0.0885	-0.1915	-0.2535	-0.3335	-0.3237	-0.3018	0.0282	0.0107	0.0068

**Outcome3\_Stress\_RawBias**

Obs	SampleSize	NumItems	DIFmag	DIFperc	LMSV_1	MMMV_1	SMLV_1	LMSV_2	MMMV_2	SMLV_2	LMSV_3	MMMV_3	SMLV_3	LMSV_4	MMMV_4	SMLV_4
1	500	6	Small	33%	0.0035	0.0034	-0.015	0.1875	0.1701	0.1739	0.1868	0.1556	0.1374	0.1878	0.1565	0.1382
2	500	6	Small	66%	0.0021	-0.0083	0.0018	0.1881	0.1646	0.1737	0.1867	0.1485	0.1385	0.1885	0.1512	0.1420
3	500	6	Large	33%	0.0011	-0.0058	-0.0053	0.1835	0.1603	0.1683	0.1822	0.1453	0.1319	0.1817	0.1454	0.1318
4	500	6	Large	66%	0.0035	0.0039	0.0030	0.1925	0.1730	0.1772	0.2006	0.1653	0.1470	0.1924	0.1606	0.1436
5	500	12	Small	33%	0.0011	0.0032	0.0010	0.1340	0.1213	0.1256	0.1345	0.1090	0.0955	0.1352	0.1094	0.0957
6	500	12	Small	66%	0.0055	-0.0066	0.0037	0.1388	0.1120	0.1323	0.1385	0.1015	0.1038	0.1400	0.1027	0.1053
7	500	12	Large	33%	0.0027	0.0088	-0.0031	0.1345	0.1260	0.1211	0.1362	0.1160	0.0934	0.1343	0.1154	0.0928
8	500	12	Large	66%	0.0015	0.0073	-0.0053	0.1357	0.1250	0.1215	0.1394	0.1179	0.0969	0.1352	0.1151	0.0937
9	500	24	Small	33%	0.0029	0.0040	-0.0055	0.0885	0.0842	0.0823	0.0900	0.0761	0.0602	0.0908	0.0764	0.0604
10	500	24	Small	66%	-0.0003	0.0003	-0.0080	0.0891	0.0771	0.0775	0.0897	0.0701	0.0570	0.0912	0.0707	0.0573
11	500	24	Large	33%	-0.016	0.0072	-0.0071	0.0846	0.0837	0.0787	0.0876	0.0778	0.0584	0.0858	0.0765	0.0577
12	500	24	Large	66%	0.0006	-0.0068	-0.0019	0.0912	0.0726	0.0839	0.0948	0.0682	0.0673	0.0905	0.0652	0.0634
13	1000	6	Small	33%	0.0044	-0.0042	0.0015	0.1851	0.1646	0.1728	0.1818	0.1475	0.1354	0.1821	0.1478	0.1356
14	1000	6	Small	66%	0.0015	-0.0014	0.0030	0.1882	0.1647	0.1790	0.1857	0.1493	0.1416	0.1862	0.1497	0.1415
15	1000	6	Large	33%	0.0002	0.0016	-0.0030	0.1829	0.1662	0.1682	0.1806	0.1501	0.1296	0.1801	0.1497	0.1291
16	1000	6	Large	66%	-0.0028	-0.0018	-0.0072	0.1889	0.1650	0.1668	0.1928	0.1547	0.1350	0.1834	0.1476	0.1280
17	1000	12	Small	33%	-0.0001	-0.0023	0.0041	0.1296	0.1174	0.1320	0.1284	0.1045	0.1016	0.1284	0.1044	0.1016
18	1000	12	Small	66%	0.0034	-0.0037	0.0013	0.1365	0.1161	0.1283	0.1342	0.1035	0.0985	0.1344	0.1034	0.0981
19	1000	12	Large	33%	-0.0035	-0.0045	0.0002	0.1281	0.1131	0.1278	0.1295	0.1021	0.0963	0.1271	0.1007	0.0950
20	1000	12	Large	66%	-0.0025	-0.0001	-0.0003	0.1327	0.1208	0.1250	0.1355	0.1125	0.0984	0.1296	0.1081	0.0935
21	1000	24	Small	33%	0.0022	-0.0019	-0.0023	0.0892	0.0758	0.0834	0.0895	0.0671	0.0614	0.0895	0.0670	0.0613
22	1000	24	Small	66%	0.0079	-0.0013	-0.0037	0.0975	0.0767	0.0841	0.0971	0.0687	0.0622	0.0971	0.0684	0.0613
23	1000	24	Large	33%	0.0073	0.0036	-0.0040	0.0935	0.0828	0.0824	0.0957	0.0753	0.0610	0.0932	0.0736	0.0592
24	1000	24	Large	66%	0.0041	-0.0067	0.0001	0.0958	0.0734	0.0878	0.0992	0.0676	0.0699	0.0935	0.0630	0.0651
25	2000	6	Small	33%	-0.0005	-0.0017	-0.0013	0.1804	0.1650	0.1690	0.1766	0.1478	0.1303	0.1768	0.1479	0.1301
26	2000	6	Small	66%	-0.0006	-0.0006	0.0018	0.1850	0.1664	0.1751	0.1818	0.1499	0.1364	0.1815	0.1491	0.1354
27	2000	6	Large	33%	-0.0002	0.0005	0.0035	0.1821	0.1654	0.1748	0.1791	0.1484	0.1363	0.1783	0.1478	0.1352
28	2000	6	Large	66%	-0.0021	0.0018	0.0041	0.1891	0.1693	0.1780	0.1914	0.1585	0.1456	0.1822	0.1506	0.1376
29	2000	12	Small	33%	0.0040	-0.0018	-0.0060	0.1344	0.1168	0.1214	0.1328	0.1040	0.0901	0.1326	0.1037	0.0896
30	2000	12	Small	66%	-0.0022	0.0024	-0.0002	0.1297	0.1206	0.1258	0.1274	0.1078	0.0951	0.1271	0.1069	0.0941
31	2000	12	Large	33%	0.0018	-0.0019	-0.0010	0.1331	0.1150	0.1246	0.1339	0.1034	0.0940	0.1310	0.1016	0.0924
32	2000	12	Large	66%	0.0051	-0.0048	-0.0038	0.1410	0.1131	0.1218	0.1432	0.1045	0.0940	0.1366	0.0992	0.0889
33	2000	24	Small	33%	-0.0019	0.0016	-0.0015	0.0843	0.0802	0.0842	0.0846	0.0715	0.0623	0.0845	0.0712	0.0620
34	2000	24	Small	66%	-0.0020	0.0028	-0.0011	0.0877	0.0825	0.0849	0.0866	0.0737	0.0636	0.0863	0.0727	0.0622
35	2000	24	Large	33%	0.0048	0.0016	0.0006	0.0911	0.0795	0.0855	0.0929	0.0722	0.0649	0.0902	0.0705	0.0629
36	2000	24	Large	66%	0.0045	-0.0008	0.0025	0.0961	0.0801	0.0889	0.0987	0.0743	0.0716	0.0932	0.0694	0.0659

***Outcome1\_Intercept\_RelBias***

Obs	SampleSize	NumItems	DIFmag	DIFperc	LMSV_1	MMMV_1	SMLV_1	LMSV_2	MMMV_2	SMLV_2	LMSV_3	MMMV_3	SMLV_3	LMSV_4	MMMV_4	SMLV_4
1	500	6	Small	33%	-0.0067	-0.0573	0.0386	-0.0131	-0.0089	0.0166	0.0653	0.0094	0.1688	0.0070	-0.0236	0.1572
2	500	6	Small	66%	-0.0274	-0.0970	-0.0054	-0.0452	-0.0444	-0.0360	0.0198	-0.0293	0.1280	-0.0134	-0.0497	0.1222
3	500	6	Large	33%	-0.0089	-0.0034	-0.0356	0.0004	-0.0160	-0.0502	0.0614	0.0122	0.1036	-0.0014	-0.0338	0.1049
4	500	6	Large	66%	-0.0248	-0.0883	0.0387	0.0226	-0.0587	-0.0408	-0.0034	-0.0782	0.0757	0.0290	-0.0791	0.0962
5	500	12	Small	33%	0.0143	0.0483	-0.0084	0.0258	0.1134	-0.0242	0.0311	0.1006	0.1266	0.0147	0.0889	0.1104
6	500	12	Small	66%	0.0091	0.0734	-0.0148	0.0312	0.1379	-0.0749	0.1120	0.1293	0.0835	0.0791	0.0971	0.0756
7	500	12	Large	33%	0.0162	0.0220	-0.0184	0.0039	0.0308	-0.0925	-0.0038	0.0024	0.0728	0.0157	-0.0175	0.0462
8	500	12	Large	66%	-0.0046	-0.0380	-0.0976	-0.0226	-0.0365	-0.1582	-0.0231	-0.0462	-0.0462	0.0066	-0.0260	-0.0319
9	500	24	Small	33%	-0.0135	0.0487	-0.0481	0.0226	0.0791	-0.1198	0.0318	0.0857	0.0579	-0.0219	0.0342	0.0102
10	500	24	Small	66%	-0.0379	0.0461	-0.0192	-0.0677	0.0626	-0.0749	-0.0183	0.0935	0.0760	-0.0668	0.0679	0.0746
11	500	24	Large	33%	0.0748	0.0217	0.0159	0.0960	0.0793	-0.0155	0.0538	0.0509	0.1029	0.0600	0.0288	0.0859
12	500	24	Large	66%	0.0065	-0.0134	-0.0468	0.0065	-0.0241	-0.1110	-0.0449	-0.0707	0.0168	0.0013	-0.0271	0.0699
13	1000	6	Small	33%	-0.0285	0.0237	0.0185	-0.0148	0.0409	-0.0155	0.0623	0.0534	0.1715	0.0030	0.0159	0.1566
14	1000	6	Small	66%	0.0115	-0.0069	0.0077	0.0024	0.0040	-0.0497	0.0412	0.0019	0.1090	-0.0214	-0.0370	0.0940
15	1000	6	Large	33%	-0.0008	0.0152	0.0441	0.0184	0.0251	-0.0360	0.0792	0.0489	0.1213	0.0083	-0.0022	0.1147
16	1000	6	Large	66%	0.0330	0.0033	0.0066	0.0278	0.0055	-0.0195	0.0141	0.0026	0.1010	0.0314	-0.0018	0.1106
17	1000	12	Small	33%	-0.0055	0.0604	0.0130	0.0207	0.0921	-0.0277	0.0234	0.1086	0.1362	-0.0040	0.0847	0.1289
18	1000	12	Small	66%	-0.0931	0.0062	0.0079	-0.1152	0.0465	-0.0532	-0.0465	0.0624	0.1298	-0.0999	0.0325	0.1228
19	1000	12	Large	33%	-0.0063	-0.0146	-0.0401	-0.0068	-0.0011	-0.0860	-0.0188	-0.0334	0.0735	-0.0097	-0.0567	0.0499
20	1000	12	Large	66%	-0.0500	0.0428	-0.0509	-0.0523	0.0679	-0.0769	-0.0726	0.0463	0.0792	-0.0590	0.0346	0.0930
21	1000	24	Small	33%	0.0002	0.0110	-0.0817	0.0261	0.0279	-0.1192	0.0368	0.0187	0.0595	0.0113	0.0095	0.0593
22	1000	24	Small	66%	0.0651	0.0032	0.0301	0.0805	0.0698	-0.0377	0.1441	0.0819	0.1405	0.0887	0.0371	0.1114
23	1000	24	Large	33%	0.0408	0.0061	0.0271	0.0449	0.0508	0.0046	0.0228	0.0367	0.1727	0.0274	0.0223	0.1776
24	1000	24	Large	66%	0.0088	-0.0458	0.0321	0.0028	-0.0347	-0.0314	-0.0223	-0.0707	0.0934	0.0032	-0.0623	0.1114
25	2000	6	Small	33%	-0.0154	0.0112	-0.0038	0.0010	0.0381	-0.0563	0.0596	0.0480	0.1160	-0.0024	0.0071	0.0955
26	2000	6	Small	66%	-0.0170	-0.0193	-0.0042	-0.0282	0.0115	-0.0540	0.0328	0.0148	0.1063	-0.0281	-0.0271	0.0930
27	2000	6	Large	33%	0.0270	0.0051	0.0211	0.0257	0.0310	-0.0135	0.0861	0.0524	0.1331	0.0131	-0.0003	0.1249
28	2000	6	Large	66%	0.0194	0.0108	-0.0213	0.0228	0.0439	-0.0730	0.0231	0.0242	0.0558	0.0276	0.0155	0.0759
29	2000	12	Small	33%	0.0258	0.0271	0.0137	0.0349	0.0633	-0.0438	0.0520	0.0437	0.1199	0.0252	0.0236	0.1083
30	2000	12	Small	66%	0.0029	-0.0397	0.0271	-0.0096	-0.0168	-0.0121	0.0380	-0.0117	0.1437	-0.0235	-0.0470	0.1324
31	2000	12	Large	33%	0.0223	-0.0227	0.0029	0.0147	-0.0029	-0.0416	0.0024	-0.0149	0.1242	0.0113	-0.0365	0.0973
32	2000	12	Large	66%	0.0156	-0.0199	-0.0221	0.0317	-0.0032	-0.0617	0.0156	-0.0138	0.0829	0.0178	-0.0288	0.0827
33	2000	24	Small	33%	-0.0231	-0.0374	-0.0239	-0.0373	-0.0040	-0.0665	-0.0116	-0.0072	0.1010	-0.0398	-0.0281	0.0901
34	2000	24	Small	66%	0.0013	0.0207	0.0063	-0.0082	0.0634	-0.0682	0.0656	0.0550	0.1007	0.0030	0.0194	0.0898
35	2000	24	Large	33%	-0.0156	-0.0379	0.0098	0.0045	-0.0130	-0.0582	-0.0145	-0.0183	0.1136	-0.0100	-0.0417	0.0962
36	2000	24	Large	66%	0.0332	-0.0031	0.0002	0.0376	0.0225	-0.0403	0.0228	-0.0056	0.0989	0.0311	-0.0031	0.1228



**Outcome1\_Eta\_RelBias**

Obs	SampleSize	NumItems	DIFmag	DIFperc	LMSV_1	MMMV_1	SMLV_1	LMSV_2	MMMV_2	SMLV_2	LMSV_3	MMMV_3	SMLV_3	LMSV_4	MMMV_4	SMLV_4
1	500	6	Small	33%	-0.0925	0.4845	0.2706	-0.6395	-0.6848	-3.8974	-6.3254	-6.2455	-10.2600	-4.4541	-3.8055	-7.2774
2	500	6	Small	66%	-0.3508	1.0609	-1.0223	-0.1573	-0.1092	-5.4960	-12.9678	-11.7964	-14.8673	-5.2829	-6.4217	-9.8615
3	500	6	Large	33%	0.4350	0.0573	-0.0602	0.4830	-1.7099	-3.9398	-8.7811	-9.8708	-13.2465	-3.4815	-5.2545	-6.6278
4	500	6	Large	66%	-0.4884	-0.0867	0.0157	-1.6286	-2.6501	-6.0590	-28.6399	-27.5285	-29.0168	-6.4919	-8.2924	-10.0993
5	500	12	Small	33%	-0.0811	0.9326	0.1499	-1.0769	-0.5418	-2.5507	-6.2195	-3.8774	-5.1832	-2.9731	-1.6356	-3.7115
6	500	12	Small	66%	0.0559	-0.3124	-0.1038	-0.7619	-2.5056	-4.9146	-9.9688	-9.6460	-10.5617	-2.7106	-4.3954	-6.1061
7	500	12	Large	33%	-0.7504	0.2919	0.9015	-0.5845	-0.9322	-2.0887	-10.5817	-7.8872	-7.3174	-2.6108	-2.7511	-3.2548
8	500	12	Large	66%	0.0235	-0.2417	-0.0844	-2.0221	-3.5026	-6.2331	-22.1106	-20.6283	-21.4117	-3.2899	-4.5428	-6.2455
9	500	24	Small	33%	0.6047	0.1411	-0.1174	0.3128	-0.9236	-3.6034	-4.2590	-3.9215	-4.5132	-1.4501	-1.9190	-3.2530
10	500	24	Small	66%	-0.0015	-0.1663	-0.4474	-1.5728	-2.1941	-4.8604	-9.3920	-8.0883	-8.1620	-2.7387	-2.8057	-4.2339
11	500	24	Large	33%	0.2142	0.1903	0.0896	-0.4087	-0.8231	-3.1400	-9.0668	-6.8829	-6.4382	-1.6790	-1.7792	-2.6149
12	500	24	Large	66%	0.3325	-0.0894	0.0987	-2.9564	-4.0507	-5.8493	-19.7460	-17.6360	-17.4231	-2.3232	-2.7925	-3.5071
13	1000	6	Small	33%	0.4105	0.0427	0.3785	0.0983	-1.1871	-4.1879	-3.6579	-4.9873	-6.7842	-1.5449	-2.3566	-3.2105
14	1000	6	Small	66%	0.2513	0.6035	0.2301	0.1475	-0.3095	-4.1283	-11.0021	-9.9326	-11.2596	-2.7558	-3.0856	-4.6500
15	1000	6	Large	33%	-0.0480	-0.4567	0.2917	-0.2269	-1.9670	-3.1914	-7.5071	-7.8879	-9.2445	-2.2060	-3.1254	-2.3554
16	1000	6	Large	66%	0.1597	0.5309	-0.1055	-0.0497	-1.6764	-5.3674	-25.8468	-24.6757	-25.9763	-2.6763	-3.5867	-4.1618
17	1000	12	Small	33%	0.0856	0.1413	0.3251	-0.1316	-0.6465	-2.9205	-4.5925	-3.4117	-3.7154	-1.2003	-1.0403	-1.6244
18	1000	12	Small	66%	0.0015	-0.4659	0.0943	-0.7115	-1.8389	-4.0521	-8.9900	-8.3550	-7.6938	-1.3846	-2.1163	-1.8057
19	1000	12	Large	33%	0.2010	0.2107	0.3281	0.4499	-0.5331	-2.9669	-9.1639	-6.8730	-6.2285	-0.9742	-1.2807	-1.6445
20	1000	12	Large	66%	-0.0471	0.0757	0.4677	-1.9348	-3.0759	-5.4745	-21.4101	-19.0911	-18.7741	-1.8345	-1.7639	-1.5304
21	1000	24	Small	33%	0.5662	0.1772	0.3086	0.3266	-0.6411	-2.3936	-3.4314	-2.9876	-2.7095	-0.2744	-0.7851	-1.0854
22	1000	24	Small	66%	0.3314	0.0663	-0.0064	-0.4933	-1.6569	-3.7297	-7.9311	-7.1915	-6.5896	-0.9423	-1.5586	-1.9428
23	1000	24	Large	33%	-0.0053	-0.0847	0.4995	-0.5964	-0.8774	-2.7364	-8.4938	-6.1903	-4.6245	-0.9994	-0.9212	-0.5669
24	1000	24	Large	66%	0.0567	0.0080	-0.2676	-2.6231	-3.2031	-6.5053	-18.7895	-16.4999	-16.5716	-1.0833	-1.1875	-2.1902
25	2000	6	Small	33%	0.1365	0.0625	0.2979	-0.0292	-0.9908	-3.1095	-2.9668	-3.8547	-5.0823	-0.7870	-1.1315	-1.3474
26	2000	6	Small	66%	0.0865	-0.0010	-0.0687	-0.1645	-0.8738	-3.1273	-10.7185	-9.4570	-9.0963	-1.6375	-1.8025	-1.9705
27	2000	6	Large	33%	-0.2866	0.2946	-0.1963	-0.2586	-0.3004	-3.5655	-6.7322	-5.7968	-8.8485	-1.3413	-0.8232	-1.8702
28	2000	6	Large	66%	-0.3378	-0.2078	-0.3414	-0.5055	-2.0555	-5.5904	-25.4222	-23.6480	-24.9664	-1.6117	-1.8772	-2.6680
29	2000	12	Small	33%	0.4215	-0.3233	0.1856	0.5607	-1.3295	-3.5365	-3.5488	-3.5913	-3.2934	-0.0523	-1.0630	-1.0499
30	2000	12	Small	66%	0.0561	-0.0053	-0.2338	-0.4477	-1.5332	-4.3924	-8.5057	-7.5555	-7.4724	-0.7394	-1.0954	-1.4419
31	2000	12	Large	33%	0.3601	-0.0270	0.0397	0.4365	-0.8074	-3.4862	-8.9114	-6.7566	-5.7725	-0.4805	-0.8945	-0.7814
32	2000	12	Large	66%	0.3342	0.4014	-0.0813	-1.3107	-2.4043	-5.9613	-20.3937	-18.1380	-18.5070	-0.4950	-0.6043	-1.1697
33	2000	24	Small	33%	-0.2841	0.1120	0.3037	-0.4234	-0.7583	-2.6892	-3.8904	-2.6896	-2.1349	-0.6859	-0.4088	-0.3226
34	2000	24	Small	66%	-0.4565	0.3153	0.0650	-1.1150	-1.0673	-3.2770	-7.8763	-6.2411	-5.7583	-0.8012	-0.2306	-0.7519
35	2000	24	Large	33%	0.0363	0.0863	-0.3242	-0.3301	-1.0327	-3.4460	-7.9571	-5.6949	-5.0358	-0.4173	-0.4489	-0.8700
36	2000	24	Large	66%	-0.3509	0.1179	0.1403	-2.9402	-3.2879	-5.5461	-18.8011	-15.9909	-15.2262	-1.0312	-0.4369	-0.4800

**Outcome2\_Intercept\_RelBias**

Obs	SampleSize	NumItems	DIFmag	DIFperc	LMSV_1	MMMV_1	SMLV_1	LMSV_2	MMMV_2	SMLV_2	LMSV_3	MMMV_3	SMLV_3	LMSV_4	MMMV_4	SMLV_4
1	500	6	Small	33%	0.0443	-0.0603	0.0389	0.4492	0.1593	0.0366	0.0870	-0.0122	0.1632	0.0762	-0.0168	0.1682
2	500	6	Small	66%	0.0065	0.0013	-0.0055	0.4138	0.2206	-0.0124	0.0160	0.0259	0.1121	0.0635	0.0700	0.1576
3	500	6	Large	33%	-0.0257	-0.0189	0.0356	0.3748	0.1270	0.0236	-0.0286	-0.0424	0.1392	0.0055	-0.0248	0.1836
4	500	6	Large	66%	0.0448	-0.0231	-0.0367	0.4909	0.1537	-0.1176	-0.1017	-0.1282	-0.0547	0.1491	0.0214	0.0574
5	500	12	Small	33%	-0.0826	-0.0425	0.0479	0.2108	0.1199	0.0166	-0.0921	-0.0148	0.1812	-0.0789	0.0016	0.1815
6	500	12	Small	66%	0.0148	0.0690	0.0247	0.3284	0.2276	-0.0660	0.0881	0.0943	0.1068	0.1131	0.1093	0.1271
7	500	12	Large	33%	-0.0121	0.0104	-0.0292	0.2409	0.1020	-0.1418	-0.1037	-0.0645	0.0317	-0.0077	-0.0193	0.0533
8	500	12	Large	66%	-0.0063	0.0370	0.0686	0.2376	0.1160	-0.0491	-0.1506	-0.0702	0.0645	0.0281	0.0615	0.1634
9	500	24	Small	33%	-0.1013	-0.0553	-0.0693	0.1074	0.0193	-0.1897	-0.0860	-0.0304	0.0302	-0.1178	-0.0654	-0.0040
10	500	24	Small	66%	-0.0332	0.0498	0.0575	0.1273	0.1065	-0.0547	-0.0430	0.0717	0.1399	-0.0551	0.0781	0.1578
11	500	24	Large	33%	-0.0041	-0.0012	0.0055	0.1886	0.0829	-0.1015	-0.0913	-0.0196	0.0586	-0.0181	0.0151	0.0798
12	500	24	Large	66%	0.0257	-0.0186	-0.0458	0.1778	-0.0162	-0.1884	-0.1427	-0.1724	-0.0232	0.0325	-0.0249	0.0858
13	1000	6	Small	33%	0.0318	0.0522	-0.0503	0.4490	0.2306	-0.0653	0.0903	0.0640	0.0965	0.0728	0.0515	0.0987
14	1000	6	Small	66%	-0.0158	0.1006	0.0267	0.3865	0.2826	-0.0142	-0.0388	0.0679	0.1058	-0.0233	0.0850	0.1291
15	1000	6	Large	33%	-0.0503	0.0228	0.0044	0.3540	0.1909	-0.0756	-0.0535	0.0160	0.0482	-0.0297	0.0287	0.0830
16	1000	6	Large	66%	0.0037	-0.0791	0.0138	0.3952	0.0786	-0.0164	-0.2032	-0.2027	0.0290	0.0111	-0.0602	0.1340
17	1000	12	Small	33%	0.0521	0.0033	-0.0012	0.3625	0.1338	-0.0678	0.0515	0.0351	0.1074	0.0523	0.0363	0.1140
18	1000	12	Small	66%	-0.0146	0.0177	-0.0567	0.2558	0.1599	-0.1506	-0.0043	0.0462	0.0453	-0.0064	0.0588	0.0635
19	1000	12	Large	33%	-0.0052	-0.0482	0.0370	0.2686	0.0487	-0.0472	-0.0888	-0.1271	0.1121	-0.0030	-0.0849	0.1344
20	1000	12	Large	66%	-0.0568	0.0600	-0.0156	0.2045	0.1583	-0.0987	-0.2245	-0.0456	0.0535	-0.0590	0.0610	0.1370
21	1000	24	Small	33%	0.0631	-0.0715	-0.0706	0.2700	-0.0092	-0.1560	0.0769	-0.0758	0.0645	0.0739	-0.0673	0.0759
22	1000	24	Small	66%	0.0711	-0.0105	0.0112	0.2728	0.0953	-0.1141	0.1168	0.0379	0.1069	0.0998	0.0240	0.0953
23	1000	24	Large	33%	0.0508	0.0730	-0.0073	0.2261	0.1452	-0.0981	-0.0238	0.0544	0.1075	0.0434	0.0919	0.1469
24	1000	24	Large	66%	0.0365	-0.0143	-0.0077	0.1861	0.0108	-0.1566	-0.1103	-0.1298	0.0017	0.0366	-0.0255	0.0737
25	2000	6	Small	33%	-0.0527	-0.0220	0.0545	0.3607	0.1697	0.0167	-0.0161	-0.0081	0.1599	-0.0356	-0.0252	0.1575
26	2000	6	Small	66%	-0.0059	-0.0164	-0.0102	0.3892	0.1859	-0.0421	-0.0206	-0.0290	0.0713	-0.0109	-0.0155	0.0910
27	2000	6	Large	33%	-0.0057	0.0281	-0.0036	0.3743	0.2066	-0.0399	-0.0336	0.0186	0.0714	-0.0141	0.0267	0.1050
28	2000	6	Large	66%	0.0093	-0.0011	-0.0046	0.4084	0.1800	-0.0609	-0.1739	-0.1211	-0.0098	0.0250	0.0102	0.0974
29	2000	12	Small	33%	0.0201	-0.0369	-0.0235	0.3204	0.0996	-0.1098	0.0271	-0.0406	0.0680	0.0282	-0.0378	0.0711
30	2000	12	Small	66%	-0.0076	0.0055	-0.0001	0.2684	0.1217	-0.0687	-0.0133	-0.0029	0.0939	-0.0276	0.0017	0.1094
31	2000	12	Large	33%	0.0499	-0.0111	0.0106	0.3144	0.0901	-0.0767	-0.0451	-0.0661	0.0875	0.0438	-0.0218	0.1067
32	2000	12	Large	66%	-0.0082	-0.0156	0.0272	0.2665	0.0700	-0.0721	-0.1533	-0.1194	0.0659	-0.0008	-0.0228	0.1337
33	2000	24	Small	33%	-0.0492	-0.0003	-0.0130	0.1230	0.0744	-0.1086	-0.0588	0.0105	0.1031	-0.0648	0.0060	0.1030
34	2000	24	Small	66%	0.0255	-0.0100	0.0311	0.2036	0.0746	-0.1026	0.0570	-0.0037	0.1078	0.0280	-0.0084	0.1173
35	2000	24	Large	33%	-0.0351	-0.0188	-0.0238	0.1539	0.0315	-0.1642	-0.0928	-0.0497	0.0477	-0.0255	-0.0205	0.0645
36	2000	24	Large	66%	0.0097	0.0294	-0.0010	0.1658	0.0636	-0.1242	-0.1157	-0.0682	0.0511	0.0091	0.0325	0.1252

**Outcome2\_Eta\_RelBias**

Obs	SampleSize	NumItems	DIFmag	DIFperc	LMSV_1	MMMV_1	SMLV_1	LMSV_2	MMMV_2	SMLV_2	LMSV_3	MMMV_3	SMLV_3	LMSV_4	MMMV_4	SMLV_4
1	500	6	Small	33%	0.6938	-0.5358	-0.7272	-13.2801	-5.5807	-3.4227	-2.3098	-5.1558	-9.2579	-3.5597	-4.1417	-6.9548
2	500	6	Small	66%	-0.2013	-0.9025	-0.9624	-13.6288	-4.5494	-2.7677	-2.9261	-5.8513	-9.2897	-6.4976	-7.6106	-8.7161
3	500	6	Large	33%	-0.3103	-0.7008	0.2854	-14.4088	-6.2301	-1.5689	-3.8949	-7.0826	-10.2328	-5.3809	-6.2493	-5.6580
4	500	6	Large	66%	0.0191	-0.0168	0.7437	-11.7593	-1.3230	1.5218	-4.8059	-8.9561	-15.2852	-7.7047	-8.2456	-8.4645
5	500	12	Small	33%	0.3593	1.3211	-0.5402	-9.4914	-1.4407	-2.1518	-1.5654	-0.2413	-4.2032	-2.5965	-0.8664	-4.3882
6	500	12	Small	66%	1.0867	-0.1915	-0.2507	-7.2247	-2.1494	-1.0749	-0.3397	-2.8210	-5.6231	-2.6054	-3.8456	-5.5854
7	500	12	Large	33%	-0.2487	-0.4799	-0.0949	-7.8645	-2.2572	-0.4536	-1.8243	-2.4816	-4.2732	-2.7397	-3.6654	-4.3210
8	500	12	Large	66%	-0.6296	0.2196	0.3330	-4.2669	2.2480	3.2756	-2.2556	-4.1199	-9.3209	-4.5297	-3.4379	-5.5112
9	500	24	Small	33%	-0.4388	0.2639	0.7586	-5.5209	-0.8139	-0.9040	-1.1505	-1.2250	-1.9519	-1.9112	-1.6040	-2.2145
10	500	24	Small	66%	-0.6694	-0.6424	0.1706	-4.2277	0.2422	0.4273	-1.5777	-2.3925	-3.2514	-2.9586	-2.9003	-3.2507
11	500	24	Large	33%	-0.0117	-0.0759	-0.0717	-3.6467	0.3970	0.6810	-1.6089	-1.9291	-2.6754	-2.1896	-2.5780	-2.5147
12	500	24	Large	66%	-0.8409	0.7684	0.2237	0.8130	6.0330	4.2476	-2.8237	-2.2348	-7.1617	-3.5936	-1.6253	-3.5344
13	1000	6	Small	33%	-0.1970	-0.1238	0.5628	-14.5548	-5.1827	-2.9974	-1.8499	-3.7399	-5.9036	-2.6456	-2.3865	-3.0627
14	1000	6	Small	66%	-0.1082	-0.0753	-0.8518	-13.5141	-3.6911	-2.5656	-1.3159	-3.1527	-7.0730	-4.1531	-3.5678	-5.1274
15	1000	6	Large	33%	-0.0797	0.2492	0.6592	-13.3542	-4.2917	-1.4945	-0.5600	-3.4762	-6.7601	-2.0242	-2.4462	-2.2799
16	1000	6	Large	66%	0.2987	0.1451	-0.0367	-10.0426	-1.2556	0.7717	-0.4338	-6.1669	-12.1987	-2.6887	-4.0086	-3.6813
17	1000	12	Small	33%	-0.0654	-0.0839	-0.3826	-9.1851	-2.4410	-2.1397	-0.3499	-0.7271	-2.7454	-1.1384	-1.1433	-2.3514
18	1000	12	Small	66%	0.1461	0.0136	0.0826	-8.3881	-1.6384	-0.4225	-0.4718	-1.7969	-3.1208	-2.0740	-2.0311	-1.5811
19	1000	12	Large	33%	0.0049	-0.4364	-0.1951	-7.7320	-1.3285	-0.5635	-0.6404	-0.9691	-2.4257	-1.3202	-1.8181	-2.1203
20	1000	12	Large	66%	0.3542	-0.1791	0.5655	-3.2510	2.3981	3.7560	-0.1476	-2.8669	-6.0363	-1.4834	-1.6279	-1.1558
21	1000	24	Small	33%	0.4516	-0.1297	0.1063	-4.9309	-1.1925	-1.0847	0.1271	-0.9047	-1.8556	-0.5127	-1.2046	-1.7817
22	1000	24	Small	66%	0.3621	0.4418	0.5886	-2.9066	1.1918	0.9947	0.2251	-0.9067	-2.1643	-0.9093	-1.0999	-1.4390
23	1000	24	Large	33%	0.2754	0.0523	0.1735	-3.2042	1.2138	0.7635	-0.5058	-0.3099	-1.4090	-0.9350	-0.6991	-1.0929
24	1000	24	Large	66%	0.3961	0.0168	0.0357	2.3213	5.2386	4.3115	-0.3767	-2.3761	-5.4189	-0.8434	-1.3489	-1.7243
25	2000	6	Small	33%	-0.0555	-0.1631	-0.0672	-14.0140	-5.3291	-2.8743	-0.0833	-2.7885	-4.6503	-0.7833	-1.4369	-1.7706
26	2000	6	Small	66%	-0.3707	-0.0645	-0.0189	-12.8940	-3.6204	-0.7175	0.3754	-1.4456	-4.0643	-1.8441	-1.6026	-1.7082
27	2000	6	Large	33%	0.1302	-0.1665	0.2235	-13.2898	-3.9904	-1.1556	0.3734	-2.1416	-5.8702	-0.9588	-1.1846	-1.2238
28	2000	6	Large	66%	-0.1268	0.0464	-0.0403	-10.4854	-0.4191	1.2456	0.0973	-3.9646	-10.2804	-1.8832	-1.2860	-1.9990
29	2000	12	Small	33%	-0.1143	0.1446	-0.5387	-9.5745	-2.9227	-2.3831	-0.3481	-0.7260	-2.2247	-1.0684	-0.9713	-1.6730
30	2000	12	Small	66%	0.0855	-0.1055	0.2062	-7.9023	-1.1646	-0.3559	0.4146	-1.0312	-2.6826	-0.8990	-0.9040	-1.0738
31	2000	12	Large	33%	-0.0741	-0.1682	-0.2331	-8.0926	-1.3387	-0.4661	-0.6384	-0.3629	-1.5845	-1.2798	-1.0155	-0.9923
32	2000	12	Large	66%	-0.2419	0.2187	-0.1372	-3.8492	3.1426	3.2237	0.0820	-1.8756	-6.1690	-1.1200	-0.4966	-0.8175
33	2000	24	Small	33%	0.3149	-0.1348	0.6621	-4.9111	-0.8903	-0.2547	0.4632	-0.2291	-0.2420	-0.1150	-0.4088	0.0631
34	2000	24	Small	66%	0.5876	0.0780	-0.2509	-2.4959	1.0514	0.2988	1.2180	-0.6600	-2.2300	0.2728	-0.4314	-1.1650
35	2000	24	Large	33%	0.2994	0.0837	0.6258	-3.0949	1.1380	1.3258	-0.0837	0.1282	-0.5121	-0.3935	-0.2574	-0.0869
36	2000	24	Large	66%	-0.2039	-0.3547	0.0346	1.8622	4.6234	4.7888	-0.4470	-2.3728	-4.6300	-0.8159	-1.0554	-0.4822

**Outcome2\_Age\_RelBias**

Obs	SampleSize	NumItems	DIFmag	DIFperc	LMSV_1	MMMV_1	SMLV_1	LMSV_2	MMMV_2	SMLV_2	LMSV_3	MMMV_3	SMLV_3	LMSV_4	MMMV_4	SMLV_4
1	500	6	Small	33%	0.7332	0.5707	-0.0047	45.6090	19.3813	1.4160	-3.1042	-1.2770	-1.3476	2.5596	1.7747	0.8192
2	500	6	Small	66%	0.8023	-0.1448	2.6854	47.8167	18.7879	4.8980	-4.5830	-4.5467	-0.6157	5.5932	2.7157	6.1241
3	500	6	Large	33%	0.8966	0.0158	-1.8329	44.2540	17.0248	-1.8388	-8.1395	-5.1861	-6.2138	3.7498	1.9793	-0.8241
4	500	6	Large	66%	0.0337	-0.3841	-0.5374	45.5509	16.6842	-0.9933	-17.3996	-13.0933	-10.6843	6.2733	3.5681	2.8452
5	500	12	Small	33%	-0.7700	-0.7264	0.1382	31.5044	10.4412	-2.8702	-3.3639	-2.8692	-1.2169	0.2567	0.0947	1.0468
6	500	12	Small	66%	-0.9905	1.1284	0.8757	31.9465	11.8849	-2.1745	-5.4176	-2.6193	-1.2094	2.3124	2.8597	3.0873
7	500	12	Large	33%	2.0559	0.0599	-0.2851	32.6605	9.5581	-5.1737	-5.5089	-5.7291	-4.7158	3.1450	1.9236	1.4746
8	500	12	Large	66%	1.5101	1.0747	0.8890	30.5614	9.2113	-5.7356	-13.7102	-10.4627	-8.2896	4.1893	2.7171	3.0442
9	500	24	Small	33%	-0.7204	-3.3207	-0.3856	19.8817	1.5719	-6.2801	-3.8400	-5.0240	-1.9239	-1.3354	-3.0673	-0.0497
10	500	24	Small	66%	1.1250	-0.6987	1.0240	22.2182	3.8025	-5.0832	-2.6850	-3.8590	-1.0947	1.9464	-0.0044	1.9288
11	500	24	Large	33%	-1.3443	1.3112	2.2540	17.7207	4.4230	-5.6696	-8.1600	-3.8245	-1.9613	-0.7564	2.5575	2.9191
12	500	24	Large	66%	0.2064	-0.8052	-0.4681	17.5458	0.4165	-9.8197	-11.7646	-10.7788	-7.2923	1.8696	0.2737	0.9616
13	1000	6	Small	33%	0.1909	0.2305	-0.5625	45.4195	18.6489	1.2841	-3.5674	-1.7816	-1.7619	1.4325	0.9483	0.3663
14	1000	6	Small	66%	0.8235	0.6027	-1.1764	47.7492	19.8370	0.4393	-5.3518	-4.0491	-5.0537	4.1109	2.3901	0.4763
15	1000	6	Large	33%	0.4592	-1.5319	0.3058	43.7598	15.7087	0.0466	-10.0331	-6.8404	-4.1277	1.3535	0.4732	1.0599
16	1000	6	Large	66%	0.3450	-1.3920	0.0082	44.6589	16.0987	-0.1553	-20.5933	-14.7387	-11.4188	2.0007	1.0633	1.2589
17	1000	12	Small	33%	0.3335	0.6922	-0.2804	32.6137	11.6665	-3.3518	-2.7656	-1.2492	-1.8713	0.4381	1.5186	0.1304
18	1000	12	Small	66%	0.2273	-0.1050	-0.2012	33.1386	11.0624	-3.9981	-4.3783	-3.6004	-3.6779	1.9507	1.2968	0.1049
19	1000	12	Large	33%	1.2835	0.0457	0.2922	32.0847	9.0243	-4.3790	-6.7747	-6.9954	-4.9097	1.9809	0.5830	1.3464
20	1000	12	Large	66%	-1.7275	0.9350	-1.1513	27.6245	8.6915	-7.7500	-17.7820	-11.1636	-10.9807	-0.9250	2.0483	-0.6479
21	1000	24	Small	33%	1.0921	0.0278	0.5867	22.2140	5.1556	-4.7890	-1.3549	-1.3714	-0.0956	1.3430	0.6495	1.4955
22	1000	24	Small	66%	-0.2798	-0.1840	-0.6282	20.5567	4.2730	-7.2519	-4.8537	-3.6083	-3.4344	-0.0564	-0.0231	-0.4908
23	1000	24	Large	33%	-0.1344	0.2658	-0.5248	19.1366	3.1189	-8.3332	-6.3607	-5.3334	-4.7755	0.7491	0.5774	-0.0025
24	1000	24	Large	66%	0.8342	-0.1178	0.6493	18.1616	1.2924	-8.9822	-11.7407	-9.8972	-6.9104	1.7210	0.3876	1.2642
25	2000	6	Small	33%	-0.3088	-0.0224	-0.1540	44.4873	18.5532	1.3188	-5.1071	-2.5767	-1.8836	-0.0833	0.2033	0.3630
26	2000	6	Small	66%	1.1713	0.7217	0.7567	46.9176	20.1014	2.2932	-6.9402	-4.6333	-3.8233	1.9265	1.7266	0.9496
27	2000	6	Large	33%	0.1213	0.5271	-0.1762	43.6282	17.4588	-0.5045	-10.1900	-6.2705	-4.9650	0.8726	0.9440	0.2254
28	2000	6	Large	66%	-0.2896	0.8331	-0.3385	44.1932	17.7565	-0.7817	-21.2087	-14.0404	-12.3409	0.7140	1.3783	0.2447
29	2000	12	Small	33%	1.1255	0.1559	0.8173	33.9560	11.3314	-2.4289	-1.2502	-2.1059	-1.0035	2.0435	0.4620	0.9389
30	2000	12	Small	66%	-0.6993	0.2118	-0.2767	31.9407	10.9642	-3.5157	-5.9556	-3.6884	-3.6838	-0.0323	0.7928	0.1467
31	2000	12	Large	33%	-0.4836	-0.9882	0.0663	30.3515	8.0796	-4.8169	-8.5757	-8.1368	-5.8750	0.1287	-0.7238	0.2085
32	2000	12	Large	66%	0.4417	-0.2470	0.7073	29.8603	7.3078	-5.9621	-15.4596	-12.6660	-9.2559	0.9781	0.0296	0.8042
33	2000	24	Small	33%	-1.0469	-0.1081	0.5192	19.8159	4.6219	-5.3762	-3.7917	-2.2523	-0.9084	-1.0778	-0.3710	0.5812
34	2000	24	Small	66%	-0.8270	-1.1005	0.1933	20.1222	3.6420	-6.3636	-5.3283	-4.2780	-2.5853	-0.6997	-0.7684	0.4221
35	2000	24	Large	33%	-0.8737	0.2200	-0.3925	18.2820	3.0670	-8.6782	-7.3383	-5.4736	-4.9984	-0.2917	0.3940	-0.2945
36	2000	24	Large	66%	0.4908	0.3408	0.2778	17.5260	1.5552	-9.8365	-12.3203	-9.7286	-7.6443	0.6084	0.5835	0.5160

*Outcome2\_Sex\_RelBias*

Obs	SampleSize	NumItems	DIFmag	DIFperc	LMSV_1	MMMV_1	SMLV_1	LMSV_2	MMMV_2	SMLV_2	LMSV_3	MMMV_3	SMLV_3	LMSV_4	MMMV_4	SMLV_4
1	500	6	Small	33%	1.2099	1.8886	-0.0639	9.2559	19.4708	26.7003	14.0575	12.2233	9.9658	1.2048	1.5933	-0.2884
2	500	6	Small	66%	0.1574	0.9616	-0.0115	9.5825	21.6495	29.0947	15.8038	17.7922	17.0730	0.1066	0.9897	-0.0732
3	500	6	Large	33%	0.1276	0.0269	-0.2525	12.9700	23.2407	31.0616	24.7734	22.5030	20.3745	0.4153	-0.0344	-0.6139
4	500	6	Large	66%	0.5166	-1.4113	-0.4635	22.6759	32.8902	44.2234	44.7115	44.4866	45.4778	-0.5827	-1.6744	-2.0719
5	500	12	Small	33%	0.5527	-0.6648	-1.0080	6.1043	14.6363	22.8812	7.6375	6.5399	6.5600	0.6546	-0.6544	-1.2241
6	500	12	Small	66%	0.0947	1.1836	0.6365	11.1718	22.2633	30.9764	15.1389	16.3403	16.8930	0.4936	1.4015	0.9211
7	500	12	Large	33%	0.4285	-0.3022	-0.2887	11.8921	21.4985	31.8398	16.6376	16.4953	19.3216	0.8288	-0.9675	-0.4327
8	500	12	Large	66%	-1.3538	-1.8891	1.3621	23.6358	34.3458	48.5187	36.0098	37.5617	42.5605	-1.7769	-2.0471	0.3440
9	500	24	Small	33%	-0.6627	-1.6544	-0.2095	5.4738	12.2013	21.1235	6.2971	4.5883	7.3279	-0.3993	-2.2212	-0.2151
10	500	24	Small	66%	-1.7550	-0.2479	-0.7952	9.7228	19.2259	26.2399	11.8532	13.4713	13.7940	-2.1662	-0.8169	-1.3602
11	500	24	Large	33%	0.6720	0.5303	1.4244	13.3041	21.2304	30.4248	16.0333	15.6116	18.5634	1.1921	-0.0976	1.1251
12	500	24	Large	66%	-0.3077	-1.5252	0.5485	26.4956	34.8403	45.4503	33.7362	33.5694	36.9645	-0.7492	-2.4536	-0.4666
13	1000	6	Small	33%	0.8514	-0.8720	-1.5605	8.7140	17.5514	25.0055	13.1125	9.8466	8.1318	0.8902	-1.1762	-2.1773
14	1000	6	Small	66%	0.8945	-0.1817	0.1404	10.3874	20.6778	29.7576	16.7082	16.1204	17.3698	1.1916	-0.7823	0.3057
15	1000	6	Large	33%	0.3016	-0.3836	-1.1536	12.9799	22.5963	30.8346	24.7668	21.3566	20.5040	0.4963	-0.8043	-1.2733
16	1000	6	Large	66%	0.7507	0.1415	1.0944	23.2893	35.0787	45.7963	46.4891	46.7004	49.3193	0.6549	0.4563	1.6314
17	1000	12	Small	33%	-0.7009	0.5913	0.3739	4.6203	16.4835	24.3625	6.2393	7.9018	8.0575	-0.8412	0.4464	0.1114
18	1000	12	Small	66%	0.4333	0.0082	-1.1275	10.9641	20.9757	28.7553	14.5300	15.3165	14.6338	-0.0826	0.1153	-1.1859
19	1000	12	Large	33%	-0.0052	0.2412	-0.1653	11.0779	22.5433	31.1387	16.0295	17.6310	19.1910	0.1902	0.1206	-0.7685
20	1000	12	Large	66%	0.9583	1.1327	0.0260	27.0755	37.6125	47.6124	40.1499	40.8516	42.6255	0.9830	1.1614	0.0438
21	1000	24	Small	33%	0.0247	0.0650	2.5118	6.0416	13.8241	23.3863	6.6390	6.5401	9.4952	0.0500	-0.2180	2.2196
22	1000	24	Small	66%	0.1924	-1.2375	0.2321	12.0498	18.2569	27.6599	14.1639	12.6130	15.1851	-0.0019	-1.8756	-0.0950
23	1000	24	Large	33%	0.5637	-0.9987	-0.6300	12.8516	20.1664	28.4211	15.5640	14.9487	16.7752	0.4831	-1.0043	-0.7161
24	1000	24	Large	66%	0.4082	-0.7199	0.5017	27.8354	35.0893	46.1544	35.3065	34.1591	38.0674	0.2342	-1.2405	0.1776
25	2000	6	Small	33%	-0.2606	1.2362	0.0073	7.4634	19.8072	27.0153	11.9632	12.2039	10.5681	-0.4902	1.0048	0.0119
26	2000	6	Small	66%	-1.0998	0.5708	-0.2465	8.6155	21.1631	29.9674	15.2001	17.5828	17.7682	-1.0870	0.4756	-0.6039
27	2000	6	Large	33%	0.2195	0.5689	0.2973	12.9875	23.8676	32.1784	24.7174	23.2414	22.0373	0.4166	0.3969	0.2103
28	2000	6	Large	66%	0.2133	-0.2116	-0.1355	23.1192	34.5911	45.0918	47.3225	46.8066	49.0829	0.5841	-0.3898	0.2756
29	2000	12	Small	33%	0.3859	-0.3119	0.1761	5.9281	15.4015	24.5131	7.2618	7.1003	8.0594	0.2505	-0.4173	0.2611
30	2000	12	Small	66%	0.7200	0.5339	-0.1458	11.5456	21.6423	29.8642	15.3291	15.5397	16.1563	0.5844	0.3124	-0.0136
31	2000	12	Large	33%	0.6186	0.8255	0.0780	11.7302	22.9373	31.7386	16.7000	18.2333	20.1249	0.7664	0.7428	0.1785
32	2000	12	Large	66%	0.6690	-0.1765	1.1250	26.4277	36.7167	48.2946	39.5845	39.9489	43.3601	0.5091	-0.0909	0.7621
33	2000	24	Small	33%	-0.3870	0.1076	1.2761	5.4794	14.2440	22.3448	6.1725	6.9723	8.4438	-0.5561	0.1170	1.1398
34	2000	24	Small	66%	-1.1221	0.1245	-0.4088	10.5771	19.9155	26.7330	12.6829	14.2256	14.2898	-1.1066	0.0877	-0.7666
35	2000	24	Large	33%	-0.7278	-0.2813	0.0228	11.5011	21.0830	29.5584	14.1840	15.8159	17.6624	-0.8715	-0.0889	0.0308
36	2000	24	Large	66%	0.0345	0.2704	-0.9655	27.0858	36.0520	44.8916	34.7982	35.2718	36.8431	-0.1871	0.2799	-1.2046

**Outcome2\_Study\_RelBias**

Obs	SampleSize	NumItems	DIFmag	DIFperc	LMSV_1	MMMV_1	SMLV_1	LMSV_2	MMMV_2	SMLV_2	LMSV_3	MMMV_3	SMLV_3	LMSV_4	MMMV_4	SMLV_4
1	500	6	Small	33%	0.2710	0.0330	-0.1154	-22.9539	-10.1822	-1.7279	4.4601	2.8251	2.7265	-0.9013	-0.7901	-0.5350
2	500	6	Small	66%	-0.2855	0.0544	-0.3769	-18.7242	-4.5115	3.2833	15.1818	13.8531	12.3657	-2.6819	-1.8213	-1.6073
3	500	6	Large	33%	-0.2984	-0.0437	0.3896	-22.1072	-8.6866	0.2339	8.4382	6.7898	6.8017	-1.7336	-1.0939	-0.3316
4	500	6	Large	66%	0.4899	-0.0622	0.5945	-12.1710	1.2430	9.7648	35.3475	29.9816	27.1302	-2.6290	-2.3166	-0.8955
5	500	12	Small	33%	-0.2023	-0.1149	0.4823	-13.8229	-3.1391	4.1934	7.1225	6.7801	6.6691	-0.8103	-0.6626	0.1608
6	500	12	Small	66%	0.7716	-0.1975	0.0474	-8.2849	1.5231	8.7544	15.6121	13.3880	12.7532	-0.9362	-0.9055	-0.5764
7	500	12	Large	33%	-0.7864	-0.1327	-0.0012	-10.7368	0.0245	7.0583	13.9026	12.7850	12.1310	-1.2642	-1.1266	-0.5983
8	500	12	Large	66%	0.0640	-0.8247	0.3770	-0.1063	9.2080	16.8069	31.7947	28.1044	26.2839	-1.6898	-1.5434	-0.7112
9	500	24	Small	33%	0.0796	0.5956	0.2474	-6.2546	1.8961	6.7321	7.7189	7.1889	6.7696	0.4457	0.4002	0.1921
10	500	24	Small	66%	-1.1738	-0.0060	0.0467	-2.3433	6.7795	11.9904	13.2663	13.4456	12.8183	-1.8128	-0.4546	-0.2932
11	500	24	Large	33%	0.0897	-0.0454	-0.1947	-1.9024	5.4008	10.3274	14.3527	12.6851	11.8362	-0.1232	-0.7859	-0.4887
12	500	24	Large	66%	-1.3659	0.3584	0.6481	8.1938	17.6448	22.2502	28.6361	28.6206	25.7615	-2.1873	-0.1729	0.1451
13	1000	6	Small	33%	0.0942	-0.2322	-0.0163	-23.1350	-10.2668	-1.7122	4.2686	2.8387	2.8114	-0.5530	-0.6824	-0.4635
14	1000	6	Small	66%	-0.1485	-0.2628	0.1632	-18.5081	-4.8039	4.0524	15.5415	13.8576	13.0969	-1.5567	-1.2067	-0.5462
15	1000	6	Large	33%	-0.2709	0.3484	0.7340	-21.7111	-8.3087	0.6494	9.3566	7.2796	7.5911	-0.6632	-0.5440	0.4487
16	1000	6	Large	66%	0.0262	0.6044	-0.3940	-12.0375	1.7613	8.8464	36.8721	31.2098	26.9546	-0.6775	-0.4693	-0.9462
17	1000	12	Small	33%	0.1814	-0.1908	0.1736	-13.3715	-3.1712	3.8738	7.7662	6.5585	6.4339	0.0143	-0.5196	-0.1362
18	1000	12	Small	66%	0.2398	0.2431	0.1220	-8.9501	1.9060	8.9822	14.9951	13.8535	13.3525	-0.7454	-0.4856	-0.0841
19	1000	12	Large	33%	-0.2175	-0.0993	-0.0767	-10.3488	0.5591	6.8453	14.5498	13.7868	12.3568	-0.5169	-0.1535	-0.5028
20	1000	12	Large	66%	0.6764	0.3090	0.8400	0.6566	10.4018	17.5759	33.4679	29.3040	27.5923	0.1621	-0.1749	0.5226
21	1000	24	Small	33%	0.0221	0.0515	0.6303	-6.5619	1.3443	6.7593	7.3395	6.7169	6.6536	-0.0971	-0.1214	0.2250
22	1000	24	Small	66%	0.4253	-0.1824	0.2900	-0.5190	6.8068	12.4438	15.3049	13.4919	13.2329	0.3523	-0.3432	0.1719
23	1000	24	Large	33%	0.2080	-0.6936	0.3560	-1.8071	5.0845	10.9018	14.3193	12.5819	12.5074	-0.1654	-0.8199	0.2900
24	1000	24	Large	66%	-0.2571	-0.6149	-0.1515	9.4124	16.1882	21.3814	30.1785	26.9779	25.2981	-0.7302	-0.8901	-0.4457
25	2000	6	Small	33%	-0.0622	0.3205	0.2766	-23.1375	-9.6768	-1.2320	4.6279	3.7448	3.4470	-0.1392	0.2402	0.1216
26	2000	6	Small	66%	-0.2349	-0.1922	-0.1191	-18.1364	-4.8215	4.0333	16.3698	14.5344	13.5179	-0.6707	-0.5689	-0.3332
27	2000	6	Large	33%	0.0759	-0.0413	-0.1729	-21.6250	-8.5857	-0.0852	9.7193	7.6793	6.8497	-0.2218	-0.2164	-0.2857
28	2000	6	Large	66%	0.2439	-0.4895	0.2542	-11.8987	0.9041	9.6032	36.9664	30.8898	28.2056	-0.2195	-0.8329	0.0107
29	2000	12	Small	33%	-0.2571	-0.1304	-0.2461	-14.0482	-3.1630	3.5333	6.9718	6.6917	6.1418	-0.6612	-0.3483	-0.2691
30	2000	12	Small	66%	0.0272	0.3352	-0.2580	-9.0006	2.3140	8.4542	15.1753	14.2855	12.9307	-0.3157	0.2077	-0.3202
31	2000	12	Large	33%	0.6309	0.2706	-0.0398	-9.5611	0.7637	6.8730	15.4132	14.0222	12.6584	0.3324	0.0574	-0.1585
32	2000	12	Large	66%	-0.4288	0.3243	-0.1149	-0.5346	10.6760	16.5668	32.1836	29.6112	26.6103	-0.6228	0.1793	-0.0659
33	2000	24	Small	33%	0.1513	0.2347	-0.0899	-6.4361	1.6205	6.2117	7.5508	7.0891	6.2418	0.0834	0.2954	-0.1567
34	2000	24	Small	66%	0.2074	0.1671	-0.2150	-0.7841	7.0385	11.8498	15.0660	13.7394	12.7113	0.2007	-0.0664	-0.2924
35	2000	24	Large	33%	0.0453	-0.4517	-0.0050	-1.9803	5.3670	10.6584	14.1586	12.8232	12.2311	-0.2133	-0.4613	-0.0519
36	2000	24	Large	66%	0.1873	-0.2966	-0.1757	9.8650	16.4998	21.5758	30.5286	27.2975	25.3481	-0.0026	-0.4019	-0.3278

**Outcome3\_Intercept\_RelBias**

Obs	SampleSize	NumItems	DIFmag	DIFperc	LMSV_1	MMMV_1	SMLV_1	LMSV_2	MMMV_2	SMLV_2	LMSV_3	MMMV_3	SMLV_3	LMSV_4	MMMV_4	SMLV_4
1	500	6	Small	33%	-0.0647	-0.0365	-0.0196	0.3924	0.2139	-0.0044	0.0688	0.0471	0.1121	0.0571	0.0439	0.1191
2	500	6	Small	66%	0.0285	-0.0353	0.1104	0.4781	0.2155	0.1174	0.1091	0.0252	0.2329	0.1556	0.0668	0.2750
3	500	6	Large	33%	-0.0460	-0.0711	0.0905	0.3978	0.0949	0.0853	0.0238	-0.0778	0.1929	0.0571	-0.0592	0.2355
4	500	6	Large	66%	0.0648	-0.0616	-0.0564	0.5582	0.1510	-0.1188	0.0230	-0.1201	-0.0700	0.2432	0.0200	0.0399
5	500	12	Small	33%	0.0277	0.0266	0.0090	0.3763	0.2134	-0.0130	0.0913	0.0831	0.1415	0.1048	0.0981	0.1417
6	500	12	Small	66%	-0.0344	-0.0360	-0.0001	0.3151	0.1420	-0.0711	0.0895	0.0107	0.0945	0.1105	0.0258	0.1126
7	500	12	Large	33%	-0.0702	0.0297	-0.0994	0.2287	0.1446	-0.2033	-0.0987	-0.0165	-0.0358	-0.0090	0.0275	-0.0162
8	500	12	Large	66%	0.0006	0.0564	0.0906	0.2847	0.1601	-0.0117	-0.0851	-0.0179	0.0912	0.0833	0.1086	0.1863
9	500	24	Small	33%	-0.0224	-0.0319	-0.0582	0.2218	0.0627	-0.1669	0.0292	0.0092	0.0445	-0.0014	-0.0243	0.0113
10	500	24	Small	66%	0.0744	0.0936	0.0162	0.2681	0.1667	-0.0837	0.1035	0.1296	0.0993	0.0936	0.1345	0.1170
11	500	24	Large	33%	0.0389	-0.0157	-0.0965	0.2603	0.0855	-0.1861	0.0006	-0.0189	-0.0340	0.0704	0.0149	-0.0134
12	500	24	Large	66%	0.0928	-0.0128	0.1059	0.2737	0.0118	-0.0253	-0.0326	-0.1409	0.1356	0.1334	0.0006	0.2409
13	1000	6	Small	33%	0.1418	-0.0049	0.0437	0.6118	0.2086	0.0400	0.2779	0.0439	0.1916	0.2617	0.0323	0.1936
14	1000	6	Small	66%	-0.0459	0.0580	-0.0118	0.4070	0.2651	-0.0313	0.0148	0.0601	0.0752	0.0265	0.0761	0.0985
15	1000	6	Large	33%	-0.0235	0.0113	-0.0442	0.4225	0.2088	-0.1023	0.0455	0.0413	0.0115	0.0674	0.0532	0.0444
16	1000	6	Large	66%	-0.0085	0.0306	-0.0184	0.4349	0.2112	-0.0334	-0.1124	-0.0552	0.0067	0.0808	0.0786	0.1065
17	1000	12	Small	33%	0.0210	-0.0433	-0.0038	0.3701	0.1118	-0.0504	0.0768	0.0146	0.1145	0.0778	0.0160	0.1208
18	1000	12	Small	66%	0.0118	-0.0289	-0.0511	0.3185	0.1335	-0.1242	0.0730	0.0225	0.0595	0.0713	0.0342	0.0770
19	1000	12	Large	33%	-0.0018	0.0045	-0.0858	0.3145	0.1260	-0.1513	-0.0268	-0.0441	-0.0002	0.0550	-0.0048	0.0215
20	1000	12	Large	66%	-0.0230	0.0267	0.0250	0.2780	0.1489	-0.0418	-0.1217	-0.0446	0.0986	0.0302	0.0563	0.1786
21	1000	24	Small	33%	0.0472	-0.0009	-0.0501	0.2858	0.0764	-0.1236	0.1001	0.0091	0.0873	0.0970	0.0173	0.0980
22	1000	24	Small	66%	-0.0053	0.0143	-0.0509	0.2302	0.1379	-0.1627	0.0791	0.0805	0.0487	0.0636	0.0677	0.0377
23	1000	24	Large	33%	0.0304	0.0148	-0.0127	0.2363	0.1055	-0.0933	0.0009	0.0164	0.1055	0.0631	0.0522	0.1437
24	1000	24	Large	66%	-0.0190	-0.0324	-0.0172	0.1636	0.0099	-0.1493	-0.1187	-0.1288	0.0012	0.0194	-0.0276	0.0708
25	2000	6	Small	33%	0.0179	0.0058	0.0145	0.4786	0.2246	-0.0063	0.1278	0.0542	0.1271	0.1098	0.0380	0.1248
26	2000	6	Small	66%	-0.0321	-0.0436	-0.0125	0.4179	0.1859	-0.0241	0.0367	-0.0191	0.0779	0.0451	-0.0073	0.0967
27	2000	6	Large	33%	0.0127	-0.0249	-0.0122	0.4405	0.1832	-0.0291	0.0666	0.0019	0.0728	0.0841	0.0089	0.1045
28	2000	6	Large	66%	0.0300	0.0039	0.0069	0.4826	0.2155	-0.0329	-0.0509	-0.0697	0.0154	0.1290	0.0510	0.1174
29	2000	12	Small	33%	0.0269	0.0051	-0.0299	0.3665	0.1633	-0.0978	0.0892	0.0268	0.0707	0.0899	0.0293	0.0736
30	2000	12	Small	66%	0.0139	0.0119	0.0493	0.3294	0.1506	-0.0059	0.0644	0.0293	0.1474	0.0509	0.0332	0.1622
31	2000	12	Large	33%	0.0412	0.0051	0.0259	0.3474	0.1292	-0.0436	0.0052	-0.0240	0.1107	0.0881	0.0180	0.1292
32	2000	12	Large	66%	-0.0292	-0.0041	0.0181	0.2870	0.1016	-0.0641	-0.1036	-0.0812	0.0642	0.0341	0.0093	0.1300
33	2000	24	Small	33%	-0.0004	0.0371	0.0098	0.2039	0.1315	-0.0759	0.0303	0.0679	0.1267	0.0241	0.0637	0.1266
34	2000	24	Small	66%	-0.0043	-0.0257	0.0210	0.2072	0.0778	-0.1018	0.0666	-0.0009	0.1018	0.0383	-0.0055	0.1110
35	2000	24	Large	33%	0.0002	0.0068	0.0248	0.2138	0.0727	-0.1030	-0.0240	-0.0087	0.1002	0.0405	0.0193	0.1163
36	2000	24	Large	66%	-0.0019	0.0047	0.0072	0.1855	0.0554	-0.1034	-0.0825	-0.0744	0.0644	0.0358	0.0227	0.1362

**Outcome3\_Eta\_RelBias**

Obs	SampleSize	NumItems	DIFmag	DIFperc	LMSV_1	MMMV_1	SMLV_1	LMSV_2	MMMV_2	SMLV_2	LMSV_3	MMMV_3	SMLV_3	LMSV_4	MMMV_4	SMLV_4
1	500	6	Small	33%	-0.7943	-0.2900	0.4662	-23.8595	-12.2984	-8.4837	-13.5615	-11.0931	-12.7769	-14.6022	-10.2653	-10.4993
2	500	6	Small	66%	0.3066	0.8224	-1.1712	-21.1623	-9.2702	-9.1433	-10.6613	-9.2576	-13.9851	-13.9745	-11.1048	-13.7225
3	500	6	Large	33%	-0.4443	0.3697	-0.1797	-21.9173	-10.0853	-7.2233	-11.5542	-10.1335	-14.1706	-12.9497	-9.4425	-10.0009
4	500	6	Large	66%	-0.1385	0.4194	-0.0132	-19.5797	-7.2141	-5.1562	-12.9919	-13.9430	-19.4642	-15.4741	-13.0511	-13.1348
5	500	12	Small	33%	1.2322	0.6615	-0.6563	-14.5374	-6.6166	-5.6823	-6.8329	-4.8618	-7.0467	-7.9117	-5.4499	-7.2127
6	500	12	Small	66%	-0.3269	-0.1904	0.3779	-14.4464	-6.2281	-4.4407	-7.9428	-6.6541	-8.2864	-9.9088	-7.6731	-8.3309
7	500	12	Large	33%	-0.8431	0.3849	-0.6457	-14.5408	-5.5049	-4.8165	-8.3352	-5.6063	-7.9383	-9.1782	-6.7695	-7.9861
8	500	12	Large	66%	0.7247	-0.7598	-0.4902	-8.9397	-3.4102	-1.9368	-6.8697	-9.1078	-13.0090	-8.7405	-8.6890	-9.2811
9	500	24	Small	33%	0.3574	0.0060	0.7000	-8.4026	-4.2488	-3.3853	-4.3359	-4.2856	-3.9298	-5.1815	-4.7326	-4.1026
10	500	24	Small	66%	0.3290	-0.2647	0.6594	-7.6773	-2.6438	-1.7841	-5.0039	-4.7739	-4.5873	-6.5742	-5.1636	-4.5021
11	500	24	Large	33%	-0.3538	-0.1720	0.9299	-7.7785	-2.1057	-1.2318	-5.8358	-4.2901	-3.8167	-6.3600	-4.8144	-3.7221
12	500	24	Large	66%	-0.7163	-0.0970	0.0917	-3.2489	2.0069	0.9067	-6.7061	-5.8995	-9.6418	-7.2630	-5.3824	-6.0371
13	1000	6	Small	33%	-0.8973	0.0547	-0.0709	-23.1939	-11.5984	-8.5864	-10.8844	-9.1641	-10.3021	-11.5227	-7.9481	-7.6225
14	1000	6	Small	66%	-0.1448	-0.1982	0.2619	-21.5092	-9.9024	-7.4794	-9.6501	-8.8089	-10.5333	-12.3124	-9.2973	-8.5500
15	1000	6	Large	33%	-0.2080	-0.3712	-0.0640	-21.3917	-11.4006	-7.3410	-9.1146	-9.8173	-11.0008	-10.4280	-8.8999	-6.7844
16	1000	6	Large	66%	0.4806	0.3652	0.3667	-18.7982	-6.8858	-4.5973	-9.6671	-11.1630	-16.3009	-11.4255	-8.7731	-7.8968
17	1000	12	Small	33%	0.0257	-0.0584	-0.7123	-14.8086	-7.3281	-7.1439	-6.1940	-5.0478	-6.5343	-6.9446	-5.4629	-6.2159
18	1000	12	Small	66%	-0.2853	0.0723	-0.2083	-14.5534	-5.7686	-5.1965	-6.7713	-5.4888	-6.8898	-8.3000	-5.7277	-5.3751
19	1000	12	Large	33%	0.7820	-0.2485	-0.5360	-12.5070	-5.9410	-5.2170	-5.6055	-5.2445	-6.0488	-6.2872	-5.9757	-5.7368
20	1000	12	Large	66%	-0.5063	-0.0854	0.2078	-10.1669	-2.5656	-1.2280	-7.1347	-7.2258	-9.5985	-8.1816	-5.9572	-4.6778
21	1000	24	Small	33%	0.0680	-0.2908	-0.0676	-9.2252	-4.0432	-4.1283	-4.2212	-3.3507	-3.9989	-4.7989	-3.6559	-3.9172
22	1000	24	Small	66%	-0.4573	-0.7104	-0.2687	-8.3175	-3.2177	-2.9280	-5.1024	-4.8552	-5.2464	-6.1740	-4.9876	-4.5790
23	1000	24	Large	33%	-1.4119	-0.1492	-0.2748	-8.8366	-2.3938	-2.7748	-6.2090	-3.4517	-4.0203	-6.5072	-3.8090	-3.6271
24	1000	24	Large	66%	0.0871	1.2693	-0.1675	-2.2333	3.7917	0.5708	-4.8420	-3.5184	-8.2559	-5.0729	-2.2398	-4.4802
25	2000	6	Small	33%	0.1957	-0.1403	-0.3852	-21.3351	-11.0624	-8.1575	-8.0413	-7.9662	-8.7816	-8.7099	-6.6673	-6.0156
26	2000	6	Small	66%	0.5663	0.1306	-0.0390	-20.5767	-9.4340	-7.1587	-7.6688	-6.8374	-8.6359	-9.7012	-6.8745	-6.4344
27	2000	6	Large	33%	-0.1693	-0.0107	0.0412	-21.4678	-9.9703	-7.1121	-8.6200	-7.4026	-10.4065	-9.7946	-6.4145	-5.9952
28	2000	6	Large	66%	0.1296	-0.0574	0.0085	-18.9859	-7.2595	-3.8622	-8.6703	-9.9157	-14.1792	-10.3448	-7.0758	-5.8769
29	2000	12	Small	33%	-0.2390	0.0291	0.4258	-15.3651	-7.3868	-5.6038	-6.4427	-4.8127	-4.3954	-7.1025	-5.0149	-3.8064
30	2000	12	Small	66%	-0.5276	-0.2273	-0.0702	-14.2235	-5.9936	-4.7134	-6.2612	-5.4280	-5.8090	-7.4852	-5.2439	-4.2105
31	2000	12	Large	33%	0.2014	0.0987	0.0181	-13.3419	-5.3681	-4.6267	-6.1006	-4.0292	-4.6787	-6.5987	-4.5302	-4.0927
32	2000	12	Large	66%	-0.4290	-0.2557	-0.1181	-10.4911	-1.8311	-1.2812	-6.9376	-6.3130	-9.3164	-7.6570	-4.7122	-3.9937
33	2000	24	Small	33%	-0.3287	-0.4760	-0.3178	-9.6605	-4.4489	-3.8972	-4.4297	-3.4671	-3.2146	-4.9485	-3.6360	-2.9181
34	2000	24	Small	66%	-0.2250	0.0860	-0.1162	-7.7651	-2.1682	-2.1370	-3.9908	-3.4444	-4.0417	-4.8193	-3.2115	-2.9305
35	2000	24	Large	33%	0.3025	-0.0205	-0.3252	-6.5364	-2.2251	-2.5270	-3.5604	-2.8966	-3.5678	-3.8036	-3.2020	-3.0919
36	2000	24	Large	66%	-0.3526	0.0068	-0.2623	-2.5636	1.8717	1.1355	-4.7771	-4.7060	-7.4361	-5.0567	-3.2318	-3.2396



**Outcome3\_Age\_RelBias**

Obs	SampleSize	NumItems	DIFmag	DIFperc	LMSV_1	MMMV_1	SMLV_1	LMSV_2	MMMV_2	SMLV_2	LMSV_3	MMMV_3	SMLV_3	LMSV_4	MMMV_4	SMLV_4
1	500	6	Small	33%	-1.1353	-0.7028	0.2691	49.4476	21.6974	4.1631	5.9101	1.8266	1.0268	10.7432	4.8536	3.1205
2	500	6	Small	66%	-1.3116	0.0641	-1.9594	51.2546	22.4759	2.6736	2.6553	-0.5895	-3.1094	11.9769	6.3234	3.3498
3	500	6	Large	33%	2.7406	0.2385	-0.3017	51.1666	19.9697	1.6477	2.4790	-2.0938	-3.0338	13.5069	4.9449	2.2609
4	500	6	Large	66%	1.2116	-1.4558	-0.8161	51.7080	19.0840	1.0664	-5.7989	-9.2624	-8.8102	15.3447	6.2667	4.2980
5	500	12	Small	33%	-0.0624	-1.5874	-0.3187	37.2175	12.1646	-1.9919	3.9465	-0.9451	-0.7584	7.5082	1.8843	1.4293
6	500	12	Small	66%	1.3061	-0.6537	0.4291	38.3869	12.5178	-0.8804	3.7521	-1.4895	-0.3472	10.6444	3.7625	3.8795
7	500	12	Large	33%	-0.1142	-0.4776	-0.7924	35.2061	11.3989	-3.8768	-0.7352	-3.4174	-3.7413	7.3372	4.0555	2.2015
8	500	12	Large	66%	-0.6682	1.6733	0.2742	33.3682	12.4775	-4.5345	-8.9772	-6.2798	-7.4912	7.7989	6.2753	3.3890
9	500	24	Small	33%	-1.6380	-0.3365	-0.0299	22.3600	6.5739	-4.8205	-0.4549	-0.0685	-0.7662	2.0440	1.8954	1.0523
10	500	24	Small	66%	-1.0641	-0.6103	0.4476	24.1242	5.9544	-4.4108	0.0052	-1.8261	-0.9191	4.7332	1.8121	2.0777
11	500	24	Large	33%	0.9445	-1.3491	-0.7074	23.3740	3.3080	-7.3386	-1.2893	-4.8657	-4.0468	5.7636	1.3299	0.8334
12	500	24	Large	66%	0.5890	-0.3326	1.4744	21.4771	2.9082	-6.2753	-6.6769	-7.9649	-4.0185	6.2075	2.7371	3.9894
13	1000	6	Small	33%	2.7169	0.1081	0.9346	53.0561	21.9261	4.7474	8.0433	2.0209	1.3812	12.5143	4.6453	3.4135
14	1000	6	Small	66%	0.7893	1.8122	-0.6483	53.0617	24.0639	3.3438	3.9885	1.2570	-2.5339	12.6609	7.3519	2.8353
15	1000	6	Large	33%	1.7222	0.7124	-0.0205	50.5881	21.2422	1.9515	1.0172	-0.2160	-2.6451	11.3997	6.6526	2.3224
16	1000	6	Large	66%	0.0075	-1.4294	-0.4061	50.4106	19.0186	1.7072	-9.1185	-10.3266	-9.2752	11.0818	4.4020	2.7718
17	1000	12	Small	33%	0.0637	-0.9831	0.1965	36.9227	12.8046	-0.7857	3.4077	0.1007	0.1071	6.4418	2.7712	2.0612
18	1000	12	Small	66%	0.1828	-0.1635	0.4183	37.4631	13.3379	-1.3527	2.0345	-1.0197	-1.4433	8.0108	3.7012	2.1841
19	1000	12	Large	33%	-1.0892	0.5752	0.4917	34.3106	12.3836	-2.2266	-2.7761	-3.1395	-3.1718	5.5966	4.0246	2.8400
20	1000	12	Large	66%	-0.3632	0.8648	0.4528	33.5390	11.5353	-4.0313	-8.8499	-7.6532	-7.6006	6.6470	4.9077	2.1933
21	1000	24	Small	33%	2.0361	-0.1908	0.2962	26.5343	6.6779	-3.7109	3.8336	0.0714	0.4682	6.3782	2.0352	2.0261
22	1000	24	Small	66%	-0.2223	0.8011	-0.8623	24.4817	7.2841	-6.0137	0.1838	-0.4990	-2.6567	4.7465	2.9463	0.2107
23	1000	24	Large	33%	2.0423	-0.8080	0.8345	24.4750	4.1780	-5.4870	0.4134	-4.2572	-2.4183	7.0005	1.4490	2.2007
24	1000	24	Large	66%	-0.8707	-1.0138	-0.4353	20.0258	2.1538	-8.3496	-8.4981	-9.0251	-6.6791	4.1278	0.9598	1.1764
25	2000	6	Small	33%	0.3356	0.4900	-0.2390	50.4806	22.0317	3.1696	4.4970	1.6651	-0.3172	9.1382	4.2861	1.8275
26	2000	6	Small	66%	-1.0300	0.0601	0.0936	50.8146	22.3983	4.1042	0.8152	-1.2752	-2.4117	8.9913	4.6378	2.1470
27	2000	6	Large	33%	0.0311	-0.0096	-0.1553	48.8994	20.1868	1.8941	-0.3539	-2.6502	-2.8301	9.6850	4.1156	2.1188
28	2000	6	Large	66%	0.1411	-0.8138	0.5940	50.5403	19.5931	2.2088	-9.5355	-10.5824	-9.1029	10.3392	3.6382	2.7525
29	2000	12	Small	33%	1.1335	-0.4880	0.2946	38.4162	13.2044	-1.1661	5.1406	0.0587	-0.2420	8.2043	2.5011	1.6407
30	2000	12	Small	66%	0.1391	0.5975	0.3138	37.0808	13.9789	-1.1812	1.5467	-0.2932	-1.8296	7.0708	3.9593	1.8422
31	2000	12	Large	33%	0.2360	-0.6696	0.1521	35.6004	10.9754	-2.6909	-1.3645	-4.8721	-4.1774	6.7459	2.1863	1.7097
32	2000	12	Large	66%	0.6053	0.2351	-0.0108	34.9133	10.3216	-4.6368	-7.1288	-8.9506	-8.3101	7.7287	2.9819	1.3700
33	2000	24	Small	33%	0.7658	1.1518	0.3054	25.1455	7.8964	-4.2997	2.5893	1.0189	-0.2707	5.1433	2.8428	1.1820
34	2000	24	Small	66%	-0.3352	-0.3607	-0.0843	24.2792	6.3946	-5.4806	-0.0862	-1.5449	-2.0315	4.2221	1.8662	0.8983
35	2000	24	Large	33%	-0.7377	-0.0602	0.1711	21.4504	4.8535	-6.6621	-3.3625	-3.6233	-3.4497	3.3785	2.0189	1.0726
36	2000	24	Large	66%	0.2530	-0.0154	-0.8078	20.9204	3.1701	-9.3280	-7.6030	-8.0118	-7.4694	4.6763	1.9270	0.3947

*Outcome3\_Sex\_RelBias*

Obs	SampleSize	NumItems	DIFmag	DIFperc	LMSV_1	MMMV_1	SMLV_1	LMSV_2	MMMV_2	SMLV_2	LMSV_3	MMMV_3	SMLV_3	LMSV_4	MMMV_4	SMLV_4
1	500	6	Small	33%	0.3791	0.6118	2.1103	7.4729	17.0581	27.4867	11.7558	10.4055	11.6650	0.4215	0.3951	1.8559
2	500	6	Small	66%	0.7508	0.2323	-0.3123	9.1520	19.9635	26.8139	14.9194	16.4934	15.7926	0.5260	0.2977	-0.6128
3	500	6	Large	33%	0.1512	0.3448	0.0588	11.6780	22.7033	29.5840	22.7059	22.1132	19.7445	0.2822	0.3346	-0.3429
4	500	6	Large	66%	0.3779	-0.5316	-1.0892	20.6114	31.6660	40.4627	40.8159	42.7316	42.3656	-0.6704	-0.8426	-2.9196
5	500	12	Small	33%	0.5522	0.6285	1.8256	5.9176	15.2401	24.7344	7.4932	7.6659	9.0867	0.8717	0.7475	1.4858
6	500	12	Small	66%	-0.9132	0.1974	0.7167	9.0721	20.3638	30.0011	12.7462	14.6424	16.5866	-0.8792	0.2293	1.0137
7	500	12	Large	33%	0.8225	1.1489	-1.3162	11.4152	22.1320	29.3291	15.8866	17.3121	17.4517	1.1236	0.3546	-1.5410
8	500	12	Large	66%	-1.9020	0.2104	0.2844	21.9096	34.4702	45.1211	33.7047	37.6446	39.8577	-2.1319	0.1243	-0.6913
9	500	24	Small	33%	-0.2771	1.4809	0.1018	5.5713	14.8426	21.0308	6.3104	7.5290	7.5915	-0.1641	0.9094	0.1954
10	500	24	Small	66%	0.3959	2.0877	1.3303	11.4906	21.0142	27.7700	13.5332	15.5186	15.6995	-0.0679	1.5766	0.7022
11	500	24	Large	33%	-0.8218	-1.5865	0.9512	11.2508	18.6459	29.3366	13.8557	13.2218	17.8630	-0.3319	-2.0737	0.6261
12	500	24	Large	66%	0.3239	0.9635	-0.4957	26.0229	35.9555	43.0026	33.0853	34.8547	34.9793	-0.0605	0.0874	-1.4228
13	1000	6	Small	33%	-1.0918	-0.6706	0.7735	5.9981	16.4266	25.8557	10.0813	9.4088	10.0512	-1.0317	-1.0240	0.2075
14	1000	6	Small	66%	0.0773	0.9896	0.1626	8.7270	20.5624	28.3955	14.6101	16.3357	16.8415	0.3663	0.4448	0.4663
15	1000	6	Large	33%	0.7352	0.1817	2.5687	12.1957	21.4757	32.6249	23.0358	20.5002	23.1864	0.8219	-0.2158	2.4094
16	1000	6	Large	66%	0.6729	0.7188	-1.3324	21.0808	33.5378	40.9759	42.2460	44.6362	44.5790	0.6596	1.0191	-0.9102
17	1000	12	Small	33%	0.3070	-0.1260	-0.3870	5.2623	14.9561	22.3613	6.8056	6.8687	6.9985	0.1255	-0.2844	-0.6555
18	1000	12	Small	66%	0.6373	-0.0653	-0.5659	10.4436	20.0684	27.8827	13.8268	14.6828	14.5789	0.1169	0.0905	-0.6276
19	1000	12	Large	33%	-1.1006	-1.6421	-0.0441	9.4026	19.5841	29.8451	14.1145	14.9372	18.6735	-0.9464	-1.8260	-0.5733
20	1000	12	Large	66%	0.5036	-0.1725	-0.5184	24.6850	34.5812	44.7700	36.8274	37.7844	40.4143	0.4736	-0.1461	-0.4930
21	1000	24	Small	33%	1.2757	-1.3365	-1.2221	7.0134	12.0789	19.0144	7.5954	5.0196	5.5990	1.2819	-1.5846	-1.5274
22	1000	24	Small	66%	0.9017	-0.2245	-0.1697	12.0861	18.4704	26.2135	14.1421	13.1389	14.3318	0.7664	-0.7724	-0.4585
23	1000	24	Large	33%	0.9313	0.8058	-0.6746	12.4467	21.1976	27.3060	14.9893	16.2637	16.2242	0.7837	0.8186	-0.7984
24	1000	24	Large	66%	0.4940	-2.0402	0.0677	26.7426	33.2658	44.0833	33.8633	32.4425	36.5487	0.3361	-2.5592	-0.2383
25	2000	6	Small	33%	-0.0095	-0.4338	2.0612	7.0501	16.9685	27.6573	11.2292	9.9499	12.2114	-0.2192	-0.6383	2.1156
26	2000	6	Small	66%	1.2076	-0.7319	0.1360	10.0933	18.6351	28.3805	16.2333	15.3725	17.2704	1.2598	-0.7927	-0.2378
27	2000	6	Large	33%	0.1746	-0.0009	-0.9451	11.7206	21.8081	28.9310	22.4695	21.3928	19.6732	0.3340	-0.2233	-1.0878
28	2000	6	Large	66%	-1.0234	-0.0870	-0.1486	19.7154	32.3278	42.7931	41.9619	43.9954	46.9451	-0.7270	-0.2449	0.2383
29	2000	12	Small	33%	-1.0280	0.5349	-0.9317	4.1929	15.4728	22.5952	5.4569	7.5983	6.7676	-1.1303	0.3858	-0.8636
30	2000	12	Small	66%	0.0579	0.0375	-0.1898	10.1743	20.1415	28.5294	13.7407	14.4098	15.6140	-0.0311	-0.1724	-0.0466
31	2000	12	Large	33%	-0.0294	0.4321	0.8856	10.4099	21.6199	31.2238	15.1313	17.1818	20.2810	0.0658	0.3432	0.9701
32	2000	12	Large	66%	-0.5937	0.1782	0.2369	23.4393	35.3188	45.2857	35.6463	38.4941	41.0055	-0.6574	0.2502	-0.1577
33	2000	24	Small	33%	-1.2750	-0.9423	0.6008	4.3215	12.6446	20.9396	4.9827	5.6745	7.5773	-1.4089	-0.9521	0.4958
34	2000	24	Small	66%	0.6892	-0.5306	-0.3523	11.7144	18.6314	26.1342	13.7401	13.1666	14.0667	0.6651	-0.5622	-0.7158
35	2000	24	Large	33%	-0.2555	-0.7926	-0.0425	11.5447	19.8908	28.3894	14.1454	14.8296	17.0652	-0.3906	-0.5906	-0.0303
36	2000	24	Large	66%	0.5745	-0.4068	0.0730	26.4217	34.4412	44.3363	33.8004	33.7549	36.7777	0.3402	-0.3784	-0.1521

**Outcome3\_Study\_RelBias**

Obs	SampleSize	NumItems	DIFmag	DIFperc	LMSV_1	MMMV_1	SMLV_1	LMSV_2	MMMV_2	SMLV_2	LMSV_3	MMMV_3	SMLV_3	LMSV_4	MMMV_4	SMLV_4
1	500	6	Small	33%	-0.0188	0.7210	0.3810	-26.0380	-11.2052	-2.3610	-1.5886	1.2025	2.1642	-6.2728	-2.2538	-0.9680
2	500	6	Small	66%	0.4824	-0.3773	1.3715	-21.1754	-7.0184	3.5256	10.2491	11.0805	12.4904	-6.1856	-3.9901	-0.8690
3	500	6	Large	33%	-0.8704	-0.1225	0.4705	-25.2330	-10.1160	-0.6482	3.1100	5.1069	5.8878	-6.2984	-2.5618	-0.9757
4	500	6	Large	66%	-0.6575	0.3534	0.9812	-16.7422	-0.6849	8.3931	26.6118	26.6080	25.4433	-7.7667	-3.7928	-1.3464
5	500	12	Small	33%	0.5488	0.7547	-0.2135	-15.6999	-3.7139	2.7108	4.2549	5.9747	5.2886	-3.3141	-1.1361	-1.0381
6	500	12	Small	66%	-1.3664	0.3846	0.1389	-13.1106	0.6160	7.7621	9.0353	12.0430	11.8667	-6.1522	-1.7064	-1.1325
7	500	12	Large	33%	0.8502	0.1331	0.0089	-11.8124	-1.1053	6.0075	11.3595	11.2806	11.0375	-2.7977	-2.2118	-1.1887
8	500	12	Large	66%	0.3965	-0.5683	0.1872	-3.0108	7.3113	15.0033	27.5220	25.3506	24.4548	-4.2048	-2.8207	-1.4135
9	500	24	Small	33%	0.7742	0.3333	-0.4497	-7.3529	0.4952	5.3965	6.0917	5.7634	5.5688	-0.9806	-0.8584	-0.8739
10	500	24	Small	66%	0.5805	0.1728	0.5813	-2.9031	5.6591	11.7212	12.2140	12.3453	12.8074	-2.4412	-1.1706	-0.1234
11	500	24	Large	33%	-0.3266	0.0271	0.5514	-4.3015	4.5333	10.2894	11.1979	11.7194	11.9954	-2.6269	-1.4060	-0.1974
12	500	24	Large	66%	-0.4639	-0.5259	-0.4072	6.5464	15.0700	19.8783	26.1931	25.6953	23.5293	-3.2826	-2.0608	-1.3950
13	1000	6	Small	33%	-0.7943	-0.2685	0.0302	-26.5608	-12.0102	-2.5800	-1.4499	0.6542	1.9286	-5.7901	-2.6958	-1.1945
14	1000	6	Small	66%	-0.2284	-0.3250	0.2954	-21.7161	-6.6949	2.8331	9.7121	11.0689	11.8576	-5.9331	-3.1332	-1.2994
15	1000	6	Large	33%	-0.1630	0.0179	0.2362	-24.3837	-10.3321	-0.8771	4.2323	4.4545	6.0157	-4.9258	-2.8638	-0.8013
16	1000	6	Large	66%	0.0956	-0.0526	-0.0755	-15.9751	-0.9808	7.5667	28.6140	27.0299	25.0028	-5.3082	-2.8578	-1.5648
17	1000	12	Small	33%	-0.2634	-0.0744	0.1709	-16.2687	-4.6498	2.7575	3.7445	4.8753	5.5099	-3.5709	-1.9170	-0.8174
18	1000	12	Small	66%	0.1873	0.0548	-0.3488	-11.6276	0.1924	7.1982	10.9822	11.8366	11.6551	-3.7961	-1.9584	-1.2423
19	1000	12	Large	33%	0.3069	-0.3299	-0.2185	-12.3759	-1.3836	5.5417	11.3570	11.3839	11.1120	-2.9799	-1.9134	-1.2735
20	1000	12	Large	66%	-0.0632	0.7609	-0.3522	-3.3887	8.6909	14.7443	27.2301	26.9147	24.7280	-3.6514	-1.2208	-1.2423
21	1000	24	Small	33%	-0.2023	0.2498	-0.1096	-8.6301	0.5589	5.2494	4.7491	5.9409	5.3748	-2.3476	-0.7230	-0.9185
22	1000	24	Small	66%	0.0402	-0.2639	0.6219	-3.3721	5.3179	11.7150	11.7512	11.8842	12.7048	-2.4167	-1.3914	0.0416
23	1000	24	Large	33%	-0.9974	0.0612	-0.3587	-5.0378	4.4734	9.2250	10.1866	11.8968	11.0347	-3.4140	-1.0707	-0.8443
24	1000	24	Large	66%	0.0783	0.2072	0.4393	7.1583	15.8706	20.5621	26.9606	26.6301	24.6111	-2.4445	-0.8176	-0.3344
25	2000	6	Small	33%	0.3636	-0.3701	0.1897	-25.2976	-11.8318	-2.2315	0.4213	1.0496	2.4458	-3.9750	-2.2605	-0.7398
26	2000	6	Small	66%	0.3750	-0.5629	0.1944	-20.9883	-7.0335	2.8373	11.0203	11.4338	12.2733	-4.6514	-2.8045	-0.9296
27	2000	6	Large	33%	-0.0482	-0.0067	0.1790	-24.4299	-10.2141	-0.9044	4.2456	5.3758	5.9258	-4.7887	-2.0638	-0.8614
28	2000	6	Large	66%	-0.0748	0.3104	-0.0582	-16.1320	-0.7254	7.8464	28.7336	27.6338	25.8424	-5.1530	-1.9933	-1.0478
29	2000	12	Small	33%	-0.0765	0.1424	-0.1922	-16.2373	-4.3066	2.6500	3.6188	5.2963	5.4464	-3.5375	-1.4414	-0.8132
30	2000	12	Small	66%	-0.0068	-0.4200	-0.2185	-11.6653	-0.1636	7.3157	10.9915	11.4446	11.9798	-3.4759	-1.9851	-0.8372
31	2000	12	Large	33%	0.3670	0.2309	0.0972	-12.3644	-0.7897	5.8382	11.3344	12.1136	11.7153	-2.8574	-1.2945	-0.6958
32	2000	12	Large	66%	-0.3510	-0.2117	-0.0339	-3.9033	8.1608	15.0482	26.4509	26.3865	25.1353	-3.8335	-1.6177	-0.6273
33	2000	24	Small	33%	-0.0334	-0.3443	-0.0665	-8.5675	-0.1167	5.4933	4.7924	5.3020	5.6926	-2.2962	-1.2716	-0.5172
34	2000	24	Small	66%	-0.1323	-0.4289	-0.1921	-3.4634	5.1258	11.0876	11.7080	11.7916	12.1067	-2.3548	-1.6216	-0.6408
35	2000	24	Large	33%	0.4908	-0.1512	-0.3513	-3.3302	4.3729	9.3497	12.2975	11.7275	11.0990	-1.5517	-1.1312	-0.7929
36	2000	24	Large	66%	0.0393	0.1218	0.0793	7.1372	15.4405	20.4466	26.8949	26.1084	24.3370	-2.2710	-0.8625	-0.5523

**Outcome3\_Stress\_RelBias**

Obs	SampleSize	NumItems	DIFmag	DIFperc	LMSV_1	MMMV_1	SMLV_1	LMSV_2	MMMV_2	SMLV_2	LMSV_3	MMMV_3	SMLV_3	LMSV_4	MMMV_4	SMLV_4
1	500	6	Small	33%	0.4432	0.4296	-0.1842	23.4417	21.2635	21.7318	23.3497	19.4464	17.1700	23.4808	19.5619	17.2715
2	500	6	Small	66%	0.2579	-1.0379	0.2274	23.5146	20.5736	21.7071	23.3382	18.5651	17.3163	23.5636	18.8992	17.7524
3	500	6	Large	33%	0.1370	-0.7303	-0.6570	22.9405	20.0414	21.0427	22.7789	18.1616	16.4884	22.7088	18.1795	16.4690
4	500	6	Large	66%	0.4406	0.4816	0.3729	24.0614	21.6194	22.1469	25.0779	20.6650	18.3783	24.0453	20.0746	17.9555
5	500	12	Small	33%	0.1390	0.3963	0.1307	16.7460	15.1658	15.7052	16.8185	13.6206	11.9333	16.8950	13.6795	11.9670
6	500	12	Small	66%	0.6857	-0.8302	0.4578	17.3457	13.9952	16.5360	17.3138	12.6815	12.9788	17.4971	12.8428	13.1622
7	500	12	Large	33%	0.3369	1.0999	-0.3824	16.8108	15.7451	15.1418	17.0256	14.4967	11.6739	16.7935	14.4202	11.5947
8	500	12	Large	66%	0.1853	0.9180	-0.6637	16.9603	15.6232	15.1930	17.4246	14.7378	12.1090	16.8986	14.3859	11.7068
9	500	24	Small	33%	0.3682	0.4980	-0.6843	11.0634	10.5188	10.2925	11.2448	9.5150	7.5274	11.3460	9.5522	7.5484
10	500	24	Small	66%	-0.0429	0.0332	-0.9959	11.1403	9.6335	9.6903	11.2159	8.7612	7.1196	11.3998	8.8380	7.1587
11	500	24	Large	33%	-0.1995	0.8978	-0.8932	10.5772	10.4672	9.8436	10.9457	9.7257	7.2961	10.7223	9.5657	7.2125
12	500	24	Large	66%	0.0796	-0.8533	-0.2313	11.3961	9.0774	10.4872	11.8489	8.5242	8.4071	11.3088	8.1531	7.9281
13	1000	6	Small	33%	0.5460	-0.5244	0.1904	23.1432	20.5810	21.6012	22.7299	18.4357	16.9288	22.7600	18.4742	16.9528
14	1000	6	Small	66%	0.1868	-0.1706	0.3768	23.5240	20.5852	22.3711	23.2140	18.6626	17.6972	23.2773	18.7144	17.6912
15	1000	6	Large	33%	0.0264	0.2011	-0.3770	22.8612	20.7731	21.0189	22.5788	18.7617	16.2003	22.5144	18.7101	16.1351
16	1000	6	Large	66%	-0.3544	-0.2191	-0.8998	23.6103	20.6204	20.8465	24.0990	19.3327	16.8712	22.9212	18.4479	15.9966
17	1000	12	Small	33%	-0.0070	-0.2896	0.5077	16.1940	14.6743	16.5035	16.0473	13.0607	12.6974	16.0534	13.0532	12.6998
18	1000	12	Small	66%	0.4230	-0.4616	0.1677	17.0604	14.5141	16.0380	16.7690	12.9350	12.3070	16.8044	12.9199	12.2664
19	1000	12	Large	33%	-0.4389	-0.5620	0.0307	16.0171	14.1361	15.9721	16.1920	12.7679	12.0320	15.8883	12.5850	11.8737
20	1000	12	Large	66%	-0.3147	-0.0171	-0.0431	16.5887	15.0961	15.6204	16.9418	14.0572	12.3037	16.2010	13.5128	11.6867
21	1000	24	Small	33%	0.2781	-0.2318	-0.2890	11.1542	9.4756	10.4193	11.1892	8.3838	7.6812	11.1880	8.3771	7.6659
22	1000	24	Small	66%	0.9904	-0.1623	-0.4640	12.1883	9.5891	10.5155	12.1314	8.5937	7.7752	12.1337	8.5503	7.6683
23	1000	24	Large	33%	0.9187	0.4443	-0.4949	11.6895	10.3529	10.2982	11.9665	9.4094	7.6271	11.6513	9.2040	7.4044
24	1000	24	Large	66%	0.5127	-0.8359	0.0165	11.9797	9.1782	10.9698	12.3995	8.4527	8.7364	11.6899	7.8809	8.1313
25	2000	6	Small	33%	-0.0665	-0.2118	-0.1578	22.5452	20.6300	21.1285	22.0765	18.4772	16.2876	22.1056	18.4865	16.2582
26	2000	6	Small	66%	-0.0759	-0.0725	0.2268	23.1204	20.8041	21.8864	22.7280	18.7322	17.0476	22.6821	18.6316	16.9271
27	2000	6	Large	33%	-0.0205	0.0615	0.4405	22.7678	20.6691	21.8519	22.3846	18.5559	17.0322	22.2877	18.4731	16.8980
28	2000	6	Large	66%	-0.2674	0.2240	0.5086	23.6351	21.1657	22.2466	23.9254	19.8175	18.2061	22.7714	18.8196	17.2024
29	2000	12	Small	33%	0.5040	-0.2235	-0.7551	16.8012	14.5962	15.1690	16.6059	13.0026	11.2578	16.5767	12.9638	11.1989
30	2000	12	Small	66%	-0.2780	0.2963	-0.0211	16.2069	15.0724	15.7286	15.9276	13.4751	11.8870	15.8933	13.3634	11.7618
31	2000	12	Large	33%	0.2295	-0.2429	-0.1309	16.6408	14.3788	15.5758	16.7393	12.9235	11.7470	16.3694	12.7061	11.5518
32	2000	12	Large	66%	0.6401	-0.6024	-0.4790	17.6229	14.1368	15.2209	17.8945	13.0615	11.7547	17.0756	12.4049	11.1155
33	2000	24	Small	33%	-0.2387	0.1965	-0.1897	10.5372	10.0296	10.5233	10.5802	8.9426	7.7924	10.5655	8.9014	7.7451
34	2000	24	Small	66%	-0.2443	0.3507	-0.1347	10.9628	10.3102	10.6066	10.8226	9.2075	7.9462	10.7817	9.0822	7.7702
35	2000	24	Large	33%	0.5990	0.2023	0.0794	11.3856	9.9401	10.6851	11.6181	9.0292	8.1086	11.2783	8.8148	7.8675
36	2000	24	Large	66%	0.5567	-0.1049	0.3094	12.0067	10.0072	11.1121	12.3345	9.2934	8.9534	11.6561	8.6754	8.2407

**Outcome1\_Intercept\_RMSE**

Obs	SampleSize	NumItems	DIFmag	DIFperc	LMSV_1	MMMV_1	SMLV_1	LMSV_2	MMMV_2	SMLV_2	LMSV_3	MMMV_3	SMLV_3	LMSV_4	MMMV_4	SMLV_4
1	500	6	Small	33%	0.1039	0.1098	0.1108	0.1120	0.1179	0.1205	0.1161	0.1199	0.1231	0.1148	0.1205	0.1231
2	500	6	Small	66%	0.1050	0.1005	0.1075	0.1108	0.1140	0.1181	0.1130	0.1173	0.1231	0.1151	0.1172	0.1232
3	500	6	Large	33%	0.1125	0.1053	0.1126	0.1169	0.1127	0.1180	0.1172	0.1161	0.1213	0.1177	0.1167	0.1214
4	500	6	Large	66%	0.1052	0.1059	0.1112	0.1171	0.1108	0.1194	0.1184	0.1126	0.1210	0.1191	0.1152	0.1233
5	500	12	Small	33%	0.1076	0.1050	0.1078	0.1169	0.1165	0.1191	0.1149	0.1159	0.1195	0.1146	0.1166	0.1195
6	500	12	Small	66%	0.1070	0.1108	0.1059	0.1130	0.1194	0.1138	0.1162	0.1226	0.1183	0.1166	0.1228	0.1189
7	500	12	Large	33%	0.1117	0.1041	0.1078	0.1193	0.1156	0.1192	0.1237	0.1217	0.1187	0.1246	0.1224	0.1180
8	500	12	Large	66%	0.1126	0.1054	0.1041	0.1222	0.1145	0.1166	0.1246	0.1180	0.1159	0.1263	0.1192	0.1170
9	500	24	Small	33%	0.1041	0.1085	0.1054	0.1130	0.1201	0.1162	0.1137	0.1207	0.1168	0.1143	0.1209	0.1167
10	500	24	Small	66%	0.1090	0.1042	0.1062	0.1190	0.1148	0.1173	0.1230	0.1163	0.1159	0.1238	0.1161	0.1162
11	500	24	Large	33%	0.1046	0.1051	0.1034	0.1140	0.1167	0.1163	0.1159	0.1186	0.1154	0.1162	0.1184	0.1157
12	500	24	Large	66%	0.1064	0.1069	0.1101	0.1135	0.1153	0.1224	0.1155	0.1170	0.1217	0.1155	0.1173	0.1208
13	1000	6	Small	33%	0.0729	0.0736	0.0769	0.0800	0.0801	0.0853	0.0832	0.0834	0.0876	0.0836	0.0837	0.0880
14	1000	6	Small	66%	0.0723	0.0753	0.0792	0.0808	0.0816	0.0851	0.0828	0.0829	0.0877	0.0838	0.0837	0.0887
15	1000	6	Large	33%	0.0735	0.0751	0.0760	0.0797	0.0810	0.0807	0.0829	0.0836	0.0834	0.0826	0.0840	0.0841
16	1000	6	Large	66%	0.0742	0.0720	0.0748	0.0800	0.0809	0.0807	0.0841	0.0825	0.0841	0.0851	0.0827	0.0844
17	1000	12	Small	33%	0.0779	0.0760	0.0775	0.0831	0.0835	0.0847	0.0851	0.0869	0.0865	0.0853	0.0870	0.0863
18	1000	12	Small	66%	0.0803	0.0757	0.0785	0.0860	0.0826	0.0831	0.0868	0.0854	0.0846	0.0872	0.0862	0.0850
19	1000	12	Large	33%	0.0741	0.0722	0.0776	0.0803	0.0806	0.0872	0.0816	0.0846	0.0872	0.0819	0.0850	0.0875
20	1000	12	Large	66%	0.0780	0.0739	0.0760	0.0836	0.0797	0.0813	0.0841	0.0803	0.0822	0.0849	0.0800	0.0828
21	1000	24	Small	33%	0.0780	0.0742	0.0751	0.0845	0.0802	0.0834	0.0863	0.0820	0.0825	0.0863	0.0821	0.0825
22	1000	24	Small	66%	0.0749	0.0785	0.0763	0.0827	0.0834	0.0871	0.0850	0.0852	0.0859	0.0849	0.0850	0.0853
23	1000	24	Large	33%	0.0816	0.0739	0.0797	0.0864	0.0811	0.0878	0.0877	0.0835	0.0904	0.0884	0.0835	0.0904
24	1000	24	Large	66%	0.0759	0.0746	0.0755	0.0817	0.0829	0.0832	0.0818	0.0856	0.0827	0.0820	0.0860	0.0829
25	2000	6	Small	33%	0.0514	0.0526	0.0526	0.0551	0.0594	0.0595	0.0589	0.0614	0.0604	0.0584	0.0615	0.0600
26	2000	6	Small	66%	0.0530	0.0564	0.0520	0.0573	0.0595	0.0583	0.0588	0.0622	0.0607	0.0598	0.0628	0.0612
27	2000	6	Large	33%	0.0534	0.0515	0.0548	0.0587	0.0550	0.0583	0.0600	0.0569	0.0610	0.0596	0.0565	0.0614
28	2000	6	Large	66%	0.0517	0.0510	0.0555	0.0552	0.0548	0.0618	0.0550	0.0566	0.0628	0.0556	0.0579	0.0641
29	2000	12	Small	33%	0.0545	0.0522	0.0520	0.0618	0.0575	0.0569	0.0634	0.0580	0.0572	0.0634	0.0578	0.0570
30	2000	12	Small	66%	0.0562	0.0575	0.0554	0.0610	0.0621	0.0603	0.0605	0.0640	0.0640	0.0606	0.0645	0.0639
31	2000	12	Large	33%	0.0510	0.0536	0.0523	0.0561	0.0580	0.0564	0.0567	0.0595	0.0592	0.0570	0.0597	0.0590
32	2000	12	Large	66%	0.0588	0.0554	0.0544	0.0632	0.0590	0.0592	0.0638	0.0601	0.0598	0.0648	0.0611	0.0607
33	2000	24	Small	33%	0.0530	0.0532	0.0528	0.0566	0.0570	0.0580	0.0574	0.0581	0.0591	0.0577	0.0582	0.0587
34	2000	24	Small	66%	0.0555	0.0560	0.0511	0.0592	0.0612	0.0570	0.0589	0.0615	0.0580	0.0591	0.0611	0.0583
35	2000	24	Large	33%	0.0508	0.0541	0.0545	0.0570	0.0586	0.0590	0.0568	0.0593	0.0603	0.0571	0.0596	0.0603
36	2000	24	Large	66%	0.0519	0.0572	0.0553	0.0571	0.0626	0.0611	0.0573	0.0621	0.0626	0.0579	0.0622	0.0630

**Outcome1\_Eta\_RMSE**

Obs	SampleSize	NumItems	DIFmag	DIFperc	LMSV_1	MMMV_1	SMLV_1	LMSV_2	MMMV_2	SMLV_2	LMSV_3	MMMV_3	SMLV_3	LMSV_4	MMMV_4	SMLV_4
1	500	6	Small	33%	0.1139	0.1097	0.1047	0.1487	0.1353	0.1519	0.1591	0.1524	0.1946	0.1546	0.1471	0.1827
2	500	6	Small	66%	0.1103	0.1099	0.1095	0.1441	0.1376	0.1535	0.1939	0.1824	0.2206	0.1590	0.1579	0.2067
3	500	6	Large	33%	0.1047	0.1103	0.1101	0.1407	0.1376	0.1478	0.1669	0.1722	0.2127	0.1484	0.1480	0.1764
4	500	6	Large	66%	0.1158	0.1071	0.1082	0.1482	0.1470	0.1618	0.3312	0.3219	0.3450	0.1663	0.1764	0.2120
5	500	12	Small	33%	0.1015	0.1044	0.1105	0.1235	0.1292	0.1358	0.1380	0.1300	0.1443	0.1288	0.1275	0.1443
6	500	12	Small	66%	0.1123	0.1114	0.1022	0.1367	0.1379	0.1426	0.1644	0.1677	0.1701	0.1373	0.1469	0.1609
7	500	12	Large	33%	0.1112	0.1097	0.1098	0.1348	0.1335	0.1392	0.1701	0.1529	0.1589	0.1373	0.1371	0.1443
8	500	12	Large	66%	0.1048	0.1039	0.1012	0.1195	0.1311	0.1503	0.2594	0.2486	0.2606	0.1263	0.1379	0.1608
9	500	24	Small	33%	0.1114	0.1032	0.1090	0.1239	0.1208	0.1307	0.1287	0.1230	0.1296	0.1243	0.1183	0.1285
10	500	24	Small	66%	0.1050	0.1048	0.1108	0.1214	0.1219	0.1448	0.1523	0.1423	0.1529	0.1244	0.1217	0.1403
11	500	24	Large	33%	0.1056	0.1123	0.1076	0.1186	0.1242	0.1323	0.1499	0.1425	0.1387	0.1219	0.1274	0.1258
12	500	24	Large	66%	0.1101	0.1034	0.1012	0.1237	0.1295	0.1419	0.2363	0.2197	0.2198	0.1253	0.1251	0.1327
13	1000	6	Small	33%	0.0797	0.0760	0.0731	0.1016	0.1012	0.1165	0.1070	0.1180	0.1339	0.1038	0.1110	0.1236
14	1000	6	Small	66%	0.0783	0.0759	0.0781	0.0964	0.0970	0.1154	0.1495	0.1424	0.1648	0.1091	0.1094	0.1406
15	1000	6	Large	33%	0.0756	0.0759	0.0769	0.0942	0.0983	0.1101	0.1274	0.1305	0.1564	0.1037	0.1055	0.1258
16	1000	6	Large	66%	0.0770	0.0767	0.0768	0.1010	0.1047	0.1183	0.2912	0.2817	0.2962	0.1059	0.1180	0.1349
17	1000	12	Small	33%	0.0748	0.0771	0.0731	0.0857	0.0916	0.0997	0.0957	0.0989	0.1032	0.0852	0.0952	0.0991
18	1000	12	Small	66%	0.0740	0.0767	0.0812	0.0869	0.0922	0.1094	0.1274	0.1250	0.1291	0.0922	0.0965	0.1080
19	1000	12	Large	33%	0.0754	0.0763	0.0736	0.0929	0.0911	0.0968	0.1307	0.1144	0.1130	0.0918	0.0932	0.0963
20	1000	12	Large	66%	0.0731	0.0782	0.0781	0.0923	0.0969	0.1121	0.2423	0.2207	0.2207	0.0935	0.0956	0.1070
21	1000	24	Small	33%	0.0760	0.0782	0.0752	0.0825	0.0893	0.0922	0.0897	0.0925	0.0911	0.0838	0.0884	0.0890
22	1000	24	Small	66%	0.0745	0.0776	0.0777	0.0838	0.0890	0.0976	0.1161	0.1129	0.1140	0.0846	0.0887	0.0960
23	1000	24	Large	33%	0.0726	0.0752	0.0758	0.0848	0.0840	0.0926	0.1207	0.1043	0.1008	0.0836	0.0836	0.0932
24	1000	24	Large	66%	0.0779	0.0730	0.0761	0.0907	0.0921	0.1133	0.2159	0.1929	0.1959	0.0906	0.0856	0.0932
25	2000	6	Small	33%	0.0512	0.0541	0.0518	0.0680	0.0704	0.0790	0.0755	0.0783	0.0945	0.0705	0.0711	0.0809
26	2000	6	Small	66%	0.0529	0.0533	0.0569	0.0659	0.0714	0.0806	0.1295	0.1238	0.1258	0.0707	0.0786	0.0945
27	2000	6	Large	33%	0.0562	0.0539	0.0554	0.0686	0.0679	0.0806	0.0998	0.0909	0.1220	0.0731	0.0694	0.0818
28	2000	6	Large	66%	0.0536	0.0527	0.0551	0.0685	0.0723	0.0955	0.2782	0.2614	0.2769	0.0717	0.0779	0.0925
29	2000	12	Small	33%	0.0549	0.0556	0.0559	0.0655	0.0668	0.0782	0.0730	0.0748	0.0783	0.0642	0.0664	0.0730
30	2000	12	Small	66%	0.0532	0.0518	0.0540	0.0633	0.0640	0.0806	0.1083	0.1014	0.1018	0.0642	0.0651	0.0697
31	2000	12	Large	33%	0.0535	0.0546	0.0501	0.0617	0.0653	0.0748	0.1111	0.0966	0.0885	0.0605	0.0672	0.0665
32	2000	12	Large	66%	0.0566	0.0529	0.0529	0.0672	0.0718	0.0910	0.2260	0.2037	0.2072	0.0681	0.0687	0.0721
33	2000	24	Small	33%	0.0508	0.0518	0.0535	0.0569	0.0602	0.0666	0.0697	0.0637	0.0654	0.0580	0.0581	0.0627
34	2000	24	Small	66%	0.0499	0.0513	0.0539	0.0580	0.0589	0.0736	0.1003	0.0865	0.0877	0.0584	0.0591	0.0657
35	2000	24	Large	33%	0.0536	0.0576	0.0542	0.0612	0.0680	0.0747	0.1025	0.0880	0.0817	0.0604	0.0651	0.0639
36	2000	24	Large	66%	0.0540	0.0540	0.0524	0.0675	0.0711	0.0875	0.2083	0.1800	0.1736	0.0626	0.0616	0.0657

**Outcome2\_Intercept\_RMSE**

Obs	SampleSize	NumItems	DIFmag	DIFperc	LMSV_1	MMMV_1	SMLV_1	LMSV_2	MMMV_2	SMLV_2	LMSV_3	MMMV_3	SMLV_3	LMSV_4	MMMV_4	SMLV_4
1	500	6	Small	33%	0.1081	0.1172	0.1089	0.1238	0.1260	0.1213	0.1200	0.1275	0.1224	0.1200	0.1281	0.1230
2	500	6	Small	66%	0.1132	0.1124	0.1106	0.1271	0.1281	0.1202	0.1260	0.1285	0.1230	0.1256	0.1277	0.1246
3	500	6	Large	33%	0.1116	0.1098	0.1103	0.1228	0.1198	0.1200	0.1235	0.1203	0.1230	0.1229	0.1205	0.1242
4	500	6	Large	66%	0.1091	0.1127	0.1111	0.1257	0.1222	0.1217	0.1163	0.1257	0.1256	0.1192	0.1247	0.1262
5	500	12	Small	33%	0.1046	0.1047	0.1114	0.1165	0.1150	0.1219	0.1188	0.1178	0.1237	0.1189	0.1178	0.1240
6	500	12	Small	66%	0.1107	0.1150	0.1113	0.1236	0.1291	0.1224	0.1207	0.1294	0.1214	0.1220	0.1297	0.1219
7	500	12	Large	33%	0.1156	0.1036	0.1096	0.1239	0.1140	0.1200	0.1262	0.1194	0.1201	0.1256	0.1194	0.1204
8	500	12	Large	66%	0.1081	0.1106	0.1058	0.1208	0.1187	0.1204	0.1228	0.1214	0.1199	0.1211	0.1218	0.1228
9	500	24	Small	33%	0.1127	0.1062	0.1145	0.1212	0.1148	0.1263	0.1218	0.1170	0.1240	0.1223	0.1170	0.1242
10	500	24	Small	66%	0.1105	0.1003	0.1094	0.1191	0.1113	0.1250	0.1226	0.1159	0.1245	0.1229	0.1157	0.1253
11	500	24	Large	33%	0.1099	0.1125	0.1097	0.1208	0.1250	0.1191	0.1242	0.1249	0.1206	0.1238	0.1243	0.1210
12	500	24	Large	66%	0.1117	0.1087	0.1052	0.1217	0.1194	0.1159	0.1233	0.1253	0.1134	0.1217	0.1236	0.1135
13	1000	6	Small	33%	0.0782	0.0786	0.0774	0.0967	0.0891	0.0860	0.0884	0.0872	0.0884	0.0883	0.0871	0.0888
14	1000	6	Small	66%	0.0778	0.0826	0.0757	0.0932	0.0907	0.0862	0.0884	0.0901	0.0882	0.0894	0.0897	0.0890
15	1000	6	Large	33%	0.0777	0.0774	0.0688	0.0896	0.0847	0.0757	0.0858	0.0862	0.0780	0.0857	0.0865	0.0789
16	1000	6	Large	66%	0.0804	0.0758	0.0794	0.0935	0.0826	0.0875	0.0938	0.0901	0.0910	0.0907	0.0878	0.0911
17	1000	12	Small	33%	0.0750	0.0849	0.0778	0.0892	0.0939	0.0861	0.0850	0.0956	0.0869	0.0854	0.0954	0.0870
18	1000	12	Small	66%	0.0769	0.0788	0.0758	0.0858	0.0871	0.0840	0.0840	0.0878	0.0833	0.0844	0.0880	0.0835
19	1000	12	Large	33%	0.0792	0.0751	0.0784	0.0893	0.0816	0.0856	0.0883	0.0851	0.0869	0.0872	0.0845	0.0871
20	1000	12	Large	66%	0.0802	0.0764	0.0780	0.0833	0.0843	0.0864	0.0875	0.0855	0.0873	0.0850	0.0849	0.0883
21	1000	24	Small	33%	0.0780	0.0755	0.0773	0.0863	0.0809	0.0881	0.0826	0.0834	0.0866	0.0824	0.0833	0.0866
22	1000	24	Small	66%	0.0766	0.0817	0.0782	0.0864	0.0864	0.0885	0.0852	0.0882	0.0886	0.0853	0.0889	0.0889
23	1000	24	Large	33%	0.0747	0.0764	0.0720	0.0858	0.0842	0.0806	0.0843	0.0855	0.0799	0.0842	0.0855	0.0806
24	1000	24	Large	66%	0.0812	0.0789	0.0745	0.0912	0.0875	0.0832	0.0886	0.0919	0.0807	0.0879	0.0905	0.0810
25	2000	6	Small	33%	0.0553	0.0578	0.0537	0.0687	0.0654	0.0580	0.0603	0.0666	0.0629	0.0604	0.0667	0.0629
26	2000	6	Small	66%	0.0574	0.0542	0.0557	0.0748	0.0617	0.0607	0.0647	0.0615	0.0617	0.0651	0.0618	0.0627
27	2000	6	Large	33%	0.0586	0.0560	0.0561	0.0727	0.0637	0.0631	0.0657	0.0613	0.0633	0.0655	0.0613	0.0643
28	2000	6	Large	66%	0.0574	0.0554	0.0530	0.0743	0.0633	0.0577	0.0664	0.0636	0.0586	0.0645	0.0627	0.0596
29	2000	12	Small	33%	0.0554	0.0540	0.0539	0.0680	0.0606	0.0597	0.0606	0.0598	0.0599	0.0606	0.0596	0.0599
30	2000	12	Small	66%	0.0538	0.0555	0.0523	0.0614	0.0615	0.0579	0.0576	0.0611	0.0588	0.0574	0.0610	0.0590
31	2000	12	Large	33%	0.0559	0.0518	0.0553	0.0677	0.0579	0.0626	0.0611	0.0593	0.0632	0.0608	0.0588	0.0634
32	2000	12	Large	66%	0.0558	0.0520	0.0554	0.0652	0.0573	0.0584	0.0618	0.0603	0.0604	0.0596	0.0589	0.0614
33	2000	24	Small	33%	0.0532	0.0547	0.0533	0.0574	0.0600	0.0592	0.0579	0.0608	0.0602	0.0581	0.0608	0.0602
34	2000	24	Small	66%	0.0558	0.0537	0.0554	0.0629	0.0588	0.0601	0.0603	0.0578	0.0604	0.0602	0.0579	0.0605
35	2000	24	Large	33%	0.0513	0.0533	0.0561	0.0573	0.0555	0.0640	0.0573	0.0574	0.0611	0.0564	0.0572	0.0612
36	2000	24	Large	66%	0.0578	0.0556	0.0541	0.0641	0.0614	0.0630	0.0642	0.0623	0.0614	0.0632	0.0615	0.0624

**Outcome2\_Eta\_RMSE**

Obs	SampleSize	NumItems	DIFmag	DIFperc	LMSV_1	MMMV_1	SMLV_1	LMSV_2	MMMV_2	SMLV_2	LMSV_3	MMMV_3	SMLV_3	LMSV_4	MMMV_4	SMLV_4
1	500	6	Small	33%	0.1308	0.1102	0.1129	0.2105	0.1584	0.1599	0.1762	0.1648	0.2042	0.1765	0.1635	0.1961
2	500	6	Small	66%	0.1245	0.1169	0.1109	0.2138	0.1696	0.1571	0.1748	0.1745	0.1971	0.1837	0.1876	0.2134
3	500	6	Large	33%	0.1269	0.1104	0.1119	0.2192	0.1588	0.1588	0.1855	0.1733	0.2081	0.1858	0.1673	0.1881
4	500	6	Large	66%	0.1216	0.1128	0.1096	0.2078	0.1674	0.1572	0.1883	0.1907	0.2419	0.1892	0.1851	0.2097
5	500	12	Small	33%	0.1330	0.1233	0.1046	0.1851	0.1512	0.1361	0.1674	0.1464	0.1429	0.1666	0.1469	0.1464
6	500	12	Small	66%	0.1230	0.1154	0.1078	0.1584	0.1436	0.1387	0.1472	0.1440	0.1516	0.1488	0.1505	0.1610
7	500	12	Large	33%	0.1346	0.1113	0.1096	0.1745	0.1363	0.1495	0.1600	0.1382	0.1535	0.1604	0.1421	0.1560
8	500	12	Large	66%	0.1347	0.1132	0.1115	0.1641	0.1463	0.1588	0.1675	0.1449	0.1780	0.1668	0.1464	0.1680
9	500	24	Small	33%	0.1273	0.1203	0.1109	0.1556	0.1393	0.1354	0.1478	0.1378	0.1286	0.1470	0.1398	0.1308
10	500	24	Small	66%	0.1339	0.1117	0.1118	0.1559	0.1283	0.1357	0.1522	0.1293	0.1343	0.1526	0.1300	0.1371
11	500	24	Large	33%	0.1263	0.1201	0.1094	0.1451	0.1394	0.1373	0.1404	0.1398	0.1285	0.1402	0.1402	0.1283
12	500	24	Large	66%	0.1215	0.1126	0.1079	0.1456	0.1506	0.1444	0.1436	0.1301	0.1500	0.1438	0.1326	0.1378
13	1000	6	Small	33%	0.0902	0.0814	0.0831	0.1914	0.1200	0.1197	0.1283	0.1189	0.1314	0.1289	0.1162	0.1238
14	1000	6	Small	66%	0.0944	0.0862	0.0814	0.1854	0.1124	0.1163	0.1281	0.1158	0.1486	0.1345	0.1210	0.1418
15	1000	6	Large	33%	0.0937	0.0843	0.0773	0.1826	0.1171	0.1065	0.1294	0.1220	0.1401	0.1294	0.1176	0.1202
16	1000	6	Large	66%	0.0907	0.0824	0.0809	0.1579	0.1128	0.1168	0.1298	0.1330	0.1802	0.1258	0.1200	0.1393
17	1000	12	Small	33%	0.0898	0.0799	0.0779	0.1406	0.0993	0.1016	0.1078	0.0966	0.1071	0.1069	0.0978	0.1074
18	1000	12	Small	66%	0.0951	0.0817	0.0754	0.1395	0.1009	0.1013	0.1132	0.1008	0.1071	0.1137	0.1037	0.1101
19	1000	12	Large	33%	0.0972	0.0840	0.0807	0.1367	0.1045	0.1041	0.1182	0.1044	0.1077	0.1177	0.1065	0.1063
20	1000	12	Large	66%	0.0891	0.0782	0.0805	0.1135	0.1080	0.1151	0.1126	0.1063	0.1206	0.1098	0.1020	0.1057
21	1000	24	Small	33%	0.0954	0.0788	0.0832	0.1136	0.0923	0.0982	0.1067	0.0932	0.0982	0.1063	0.0935	0.0994
22	1000	24	Small	66%	0.0895	0.0821	0.0784	0.1048	0.0998	0.0964	0.1032	0.0946	0.0997	0.1025	0.0944	0.0992
23	1000	24	Large	33%	0.0961	0.0821	0.0756	0.1106	0.0966	0.0944	0.1081	0.0930	0.0908	0.1073	0.0922	0.0903
24	1000	24	Large	66%	0.0978	0.0873	0.0734	0.1164	0.1168	0.1043	0.1113	0.0968	0.1062	0.1105	0.0960	0.0927
25	2000	6	Small	33%	0.0653	0.0599	0.0561	0.1687	0.0959	0.0829	0.0891	0.0850	0.0972	0.0900	0.0815	0.0870
26	2000	6	Small	66%	0.0665	0.0570	0.0574	0.1597	0.0838	0.0806	0.0901	0.0792	0.0995	0.0920	0.0812	0.1007
27	2000	6	Large	33%	0.0679	0.0594	0.0565	0.1633	0.0897	0.0789	0.0910	0.0838	0.1065	0.0903	0.0814	0.0870
28	2000	6	Large	66%	0.0668	0.0591	0.0544	0.1423	0.0810	0.0821	0.0972	0.0904	0.1394	0.0951	0.0818	0.0934
29	2000	12	Small	33%	0.0689	0.0548	0.0567	0.1271	0.0738	0.0770	0.0816	0.0656	0.0784	0.0817	0.0664	0.0775
30	2000	12	Small	66%	0.0659	0.0585	0.0521	0.1154	0.0746	0.0668	0.0844	0.0736	0.0724	0.0839	0.0754	0.0718
31	2000	12	Large	33%	0.0676	0.0562	0.0543	0.1134	0.0702	0.0699	0.0801	0.0665	0.0713	0.0798	0.0676	0.0695
32	2000	12	Large	66%	0.0638	0.0540	0.0545	0.0847	0.0797	0.0794	0.0772	0.0754	0.0952	0.0758	0.0726	0.0744
33	2000	24	Small	33%	0.0627	0.0594	0.0573	0.0885	0.0692	0.0657	0.0757	0.0680	0.0662	0.0752	0.0679	0.0665
34	2000	24	Small	66%	0.0671	0.0561	0.0547	0.0797	0.0680	0.0700	0.0782	0.0659	0.0712	0.0774	0.0664	0.0701
35	2000	24	Large	33%	0.0667	0.0601	0.0565	0.0784	0.0710	0.0727	0.0740	0.0678	0.0655	0.0732	0.0678	0.0653
36	2000	24	Large	66%	0.0644	0.0592	0.0541	0.0794	0.0881	0.0844	0.0758	0.0713	0.0800	0.0758	0.0679	0.0652



**Outcome2\_Age\_RMSE**

Obs	SampleSize	NumItems	DIFmag	DIFperc	LMSV_1	MMMV_1	SMLV_1	LMSV_2	MMMV_2	SMLV_2	LMSV_3	MMMV_3	SMLV_3	LMSV_4	MMMV_4	SMLV_4
1	500	6	Small	33%	0.0966	0.0875	0.0859	0.1890	0.1159	0.0916	0.1108	0.0992	0.0969	0.1088	0.1000	0.0963
2	500	6	Small	66%	0.0962	0.0920	0.0862	0.1969	0.1187	0.0896	0.1141	0.1069	0.0950	0.1149	0.1111	0.1015
3	500	6	Large	33%	0.0971	0.0874	0.0826	0.1862	0.1086	0.0895	0.1215	0.1017	0.0964	0.1141	0.0985	0.0928
4	500	6	Large	66%	0.0892	0.0877	0.0806	0.1889	0.1118	0.0864	0.1334	0.1143	0.1005	0.1120	0.1056	0.0983
5	500	12	Small	33%	0.0919	0.0863	0.0856	0.1469	0.0972	0.0886	0.1054	0.0948	0.0891	0.1038	0.0958	0.0898
6	500	12	Small	66%	0.0908	0.0851	0.0824	0.1466	0.0984	0.0873	0.1019	0.0946	0.0886	0.1003	0.0947	0.0936
7	500	12	Large	33%	0.0931	0.0837	0.0894	0.1496	0.0925	0.0958	0.1092	0.0932	0.0954	0.1058	0.0914	0.0937
8	500	12	Large	66%	0.0965	0.0794	0.0862	0.1451	0.0892	0.0931	0.1192	0.0985	0.0983	0.1055	0.0922	0.0952
9	500	24	Small	33%	0.0987	0.0875	0.0833	0.1216	0.0886	0.0890	0.1045	0.0913	0.0858	0.1028	0.0908	0.0854
10	500	24	Small	66%	0.0996	0.0843	0.0876	0.1258	0.0868	0.0935	0.1058	0.0884	0.0921	0.1057	0.0874	0.0937
11	500	24	Large	33%	0.0998	0.0902	0.0860	0.1174	0.0939	0.0903	0.1105	0.0962	0.0884	0.1039	0.0955	0.0887
12	500	24	Large	66%	0.0932	0.0875	0.0879	0.1133	0.0890	0.0982	0.1114	0.1000	0.0948	0.0993	0.0942	0.0923
13	1000	6	Small	33%	0.0689	0.0641	0.0600	0.1777	0.0935	0.0633	0.0832	0.0702	0.0650	0.0819	0.0701	0.0656
14	1000	6	Small	66%	0.0667	0.0613	0.0601	0.1852	0.0940	0.0643	0.0853	0.0706	0.0717	0.0861	0.0712	0.0725
15	1000	6	Large	33%	0.0654	0.0632	0.0570	0.1703	0.0863	0.0642	0.0866	0.0774	0.0708	0.0759	0.0722	0.0679
16	1000	6	Large	66%	0.0711	0.0626	0.0626	0.1751	0.0869	0.0672	0.1146	0.0915	0.0826	0.0844	0.0748	0.0743
17	1000	12	Small	33%	0.0709	0.0617	0.0608	0.1369	0.0751	0.0630	0.0771	0.0654	0.0643	0.0768	0.0660	0.0641
18	1000	12	Small	66%	0.0690	0.0638	0.0594	0.1374	0.0761	0.0650	0.0780	0.0702	0.0662	0.0763	0.0719	0.0683
19	1000	12	Large	33%	0.0674	0.0628	0.0617	0.1340	0.0734	0.0677	0.0798	0.0738	0.0686	0.0739	0.0677	0.0661
20	1000	12	Large	66%	0.0667	0.0640	0.0596	0.1194	0.0728	0.0689	0.0984	0.0809	0.0758	0.0729	0.0702	0.0651
21	1000	24	Small	33%	0.0690	0.0603	0.0615	0.1050	0.0642	0.0657	0.0728	0.0629	0.0629	0.0728	0.0629	0.0636
22	1000	24	Small	66%	0.0659	0.0636	0.0592	0.0995	0.0678	0.0679	0.0718	0.0688	0.0637	0.0690	0.0683	0.0639
23	1000	24	Large	33%	0.0655	0.0631	0.0622	0.0950	0.0653	0.0707	0.0751	0.0676	0.0655	0.0706	0.0643	0.0631
24	1000	24	Large	66%	0.0681	0.0606	0.0581	0.0943	0.0613	0.0686	0.0863	0.0723	0.0657	0.0729	0.0630	0.0612
25	2000	6	Small	33%	0.0470	0.0435	0.0424	0.1668	0.0806	0.0455	0.0586	0.0496	0.0491	0.0545	0.0491	0.0493
26	2000	6	Small	66%	0.0504	0.0456	0.0451	0.1756	0.0855	0.0472	0.0635	0.0528	0.0502	0.0592	0.0517	0.0534
27	2000	6	Large	33%	0.0484	0.0472	0.0415	0.1640	0.0794	0.0443	0.0684	0.0582	0.0502	0.0556	0.0527	0.0466
28	2000	6	Large	66%	0.0476	0.0439	0.0429	0.1659	0.0785	0.0460	0.0986	0.0721	0.0660	0.0587	0.0513	0.0497
29	2000	12	Small	33%	0.0496	0.0434	0.0434	0.1316	0.0594	0.0469	0.0539	0.0455	0.0464	0.0537	0.0452	0.0464
30	2000	12	Small	66%	0.0463	0.0445	0.0408	0.1235	0.0603	0.0438	0.0559	0.0499	0.0441	0.0520	0.0491	0.0434
31	2000	12	Large	33%	0.0502	0.0431	0.0415	0.1197	0.0535	0.0471	0.0627	0.0554	0.0498	0.0534	0.0472	0.0441
32	2000	12	Large	66%	0.0492	0.0436	0.0411	0.1182	0.0524	0.0482	0.0793	0.0664	0.0549	0.0542	0.0485	0.0443
33	2000	24	Small	33%	0.0486	0.0460	0.0426	0.0865	0.0499	0.0483	0.0534	0.0479	0.0445	0.0518	0.0477	0.0440
34	2000	24	Small	66%	0.0471	0.0424	0.0398	0.0858	0.0454	0.0472	0.0533	0.0471	0.0419	0.0493	0.0450	0.0409
35	2000	24	Large	33%	0.0464	0.0468	0.0415	0.0805	0.0486	0.0534	0.0564	0.0522	0.0467	0.0490	0.0479	0.0431
36	2000	24	Large	66%	0.0464	0.0441	0.0440	0.0784	0.0455	0.0581	0.0677	0.0579	0.0536	0.0497	0.0461	0.0455

*Outcome2\_Sex\_RMSE*

Obs	SampleSize	NumItems	DIFmag	DIFperc	LMSV_1	MMMV_1	SMLV_1	LMSV_2	MMMV_2	SMLV_2	LMSV_3	MMMV_3	SMLV_3	LMSV_4	MMMV_4	SMLV_4
1	500	6	Small	33%	0.1088	0.1178	0.1122	0.1206	0.1476	0.1685	0.1344	0.1389	0.1342	0.1204	0.1264	0.1274
2	500	6	Small	66%	0.1136	0.1019	0.1095	0.1235	0.1438	0.1728	0.1388	0.1394	0.1454	0.1246	0.1221	0.1265
3	500	6	Large	33%	0.1141	0.1141	0.1106	0.1307	0.1572	0.1791	0.1682	0.1605	0.1469	0.1243	0.1255	0.1182
4	500	6	Large	66%	0.1151	0.1096	0.1134	0.1565	0.1850	0.2295	0.2424	0.2329	0.2395	0.1280	0.1266	0.1304
5	500	12	Small	33%	0.1121	0.1069	0.1132	0.1179	0.1283	0.1538	0.1236	0.1190	0.1215	0.1184	0.1166	0.1197
6	500	12	Small	66%	0.1089	0.1213	0.1147	0.1219	0.1570	0.1794	0.1319	0.1427	0.1389	0.1173	0.1288	0.1196
7	500	12	Large	33%	0.1116	0.1133	0.1066	0.1249	0.1501	0.1800	0.1367	0.1391	0.1422	0.1165	0.1175	0.1123
8	500	12	Large	66%	0.1158	0.1200	0.1160	0.1597	0.1954	0.2467	0.2041	0.2107	0.2255	0.1250	0.1270	0.1238
9	500	24	Small	33%	0.1106	0.1087	0.1072	0.1150	0.1237	0.1443	0.1174	0.1142	0.1155	0.1144	0.1121	0.1124
10	500	24	Small	66%	0.1100	0.1196	0.1169	0.1182	0.1474	0.1685	0.1232	0.1348	0.1365	0.1127	0.1219	0.1215
11	500	24	Large	33%	0.1091	0.1143	0.1158	0.1262	0.1493	0.1810	0.1336	0.1359	0.1463	0.1125	0.1171	0.1187
12	500	24	Large	66%	0.1148	0.1094	0.1093	0.1650	0.1904	0.2306	0.1905	0.1881	0.1994	0.1191	0.1158	0.1126
13	1000	6	Small	33%	0.0805	0.0817	0.0832	0.0907	0.1143	0.1409	0.1052	0.0973	0.0975	0.0883	0.0876	0.0909
14	1000	6	Small	66%	0.0801	0.0793	0.0778	0.0938	0.1238	0.1544	0.1140	0.1145	0.1149	0.0903	0.0924	0.0900
15	1000	6	Large	33%	0.0754	0.0773	0.0775	0.0977	0.1274	0.1591	0.1379	0.1271	0.1251	0.0826	0.0852	0.0853
16	1000	6	Large	66%	0.0849	0.0853	0.0811	0.1347	0.1781	0.2203	0.2270	0.2264	0.2370	0.0919	0.0929	0.0948
17	1000	12	Small	33%	0.0769	0.0783	0.0776	0.0804	0.1087	0.1339	0.0838	0.0891	0.0883	0.0801	0.0819	0.0811
18	1000	12	Small	66%	0.0765	0.0783	0.0778	0.0926	0.1222	0.1519	0.1025	0.1070	0.1076	0.0825	0.0832	0.0881
19	1000	12	Large	33%	0.0790	0.0794	0.0820	0.0932	0.1283	0.1611	0.1087	0.1140	0.1192	0.0820	0.0812	0.0845
20	1000	12	Large	66%	0.0772	0.0767	0.0749	0.1440	0.1832	0.2241	0.1966	0.1975	0.2046	0.0841	0.0794	0.0799
21	1000	24	Small	33%	0.0775	0.0791	0.0787	0.0855	0.1013	0.1304	0.0864	0.0872	0.0890	0.0818	0.0831	0.0788
22	1000	24	Small	66%	0.0815	0.0802	0.0770	0.0986	0.1135	0.1456	0.1048	0.0978	0.1046	0.0850	0.0820	0.0821
23	1000	24	Large	33%	0.0789	0.0794	0.0760	0.0976	0.1196	0.1471	0.1051	0.1046	0.1077	0.0799	0.0810	0.0777
24	1000	24	Large	66%	0.0787	0.0792	0.0824	0.1470	0.1749	0.2213	0.1764	0.1720	0.1894	0.0814	0.0809	0.0852
25	2000	6	Small	33%	0.0558	0.0568	0.0551	0.0665	0.1054	0.1324	0.0804	0.0804	0.0754	0.0613	0.0599	0.0592
26	2000	6	Small	66%	0.0578	0.0552	0.0563	0.0704	0.1103	0.1447	0.0920	0.0992	0.0999	0.0637	0.0648	0.0662
27	2000	6	Large	33%	0.0576	0.0593	0.0572	0.0827	0.1222	0.1542	0.1270	0.1212	0.1162	0.0629	0.0638	0.0638
28	2000	6	Large	66%	0.0552	0.0563	0.0553	0.1167	0.1632	0.2078	0.2184	0.2161	0.2265	0.0606	0.0631	0.0652
29	2000	12	Small	33%	0.0585	0.0561	0.0558	0.0650	0.0894	0.1231	0.0684	0.0669	0.0688	0.0606	0.0593	0.0595
30	2000	12	Small	66%	0.0527	0.0537	0.0555	0.0746	0.1100	0.1431	0.0877	0.0885	0.0909	0.0572	0.0580	0.0598
31	2000	12	Large	33%	0.0575	0.0574	0.0572	0.0774	0.1172	0.1519	0.0944	0.1003	0.1076	0.0585	0.0602	0.0608
32	2000	12	Large	66%	0.0590	0.0574	0.0531	0.1318	0.1722	0.2205	0.1862	0.1868	0.2000	0.0636	0.0618	0.0593
33	2000	24	Small	33%	0.0573	0.0563	0.0582	0.0625	0.0846	0.1150	0.0637	0.0652	0.0707	0.0578	0.0577	0.0602
34	2000	24	Small	66%	0.0585	0.0564	0.0541	0.0748	0.1053	0.1299	0.0809	0.0863	0.0840	0.0592	0.0591	0.0565
35	2000	24	Large	33%	0.0577	0.0574	0.0561	0.0775	0.1100	0.1428	0.0860	0.0918	0.0979	0.0594	0.0595	0.0587
36	2000	24	Large	66%	0.0557	0.0571	0.0560	0.1325	0.1694	0.2059	0.1641	0.1665	0.1720	0.0578	0.0593	0.0575

**Outcome2\_Study\_RMSE**

Obs	SampleSize	NumItems	DIFmag	DIFperc	LMSV_1	MMMV_1	SMLV_1	LMSV_2	MMMV_2	SMLV_2	LMSV_3	MMMV_3	SMLV_3	LMSV_4	MMMV_4	SMLV_4
1	500	6	Small	33%	0.1399	0.1345	0.1313	0.3169	0.1869	0.1418	0.1828	0.1597	0.1537	0.1667	0.1540	0.1497
2	500	6	Small	66%	0.1479	0.1360	0.1356	0.2766	0.1558	0.1510	0.2708	0.2392	0.2253	0.1842	0.1687	0.1646
3	500	6	Large	33%	0.1495	0.1433	0.1347	0.3114	0.1796	0.1468	0.2241	0.1873	0.1772	0.1829	0.1592	0.1515
4	500	6	Large	66%	0.1492	0.1376	0.1333	0.2205	0.1541	0.1877	0.4998	0.4188	0.3770	0.1849	0.1669	0.1547
5	500	12	Small	33%	0.1483	0.1376	0.1307	0.2291	0.1474	0.1449	0.1979	0.1758	0.1623	0.1695	0.1507	0.1382
6	500	12	Small	66%	0.1497	0.1374	0.1289	0.1818	0.1485	0.1757	0.2603	0.2306	0.2131	0.1583	0.1544	0.1415
7	500	12	Large	33%	0.1521	0.1365	0.1384	0.2009	0.1474	0.1751	0.2531	0.2248	0.2165	0.1699	0.1536	0.1488
8	500	12	Large	66%	0.1497	0.1283	0.1309	0.1596	0.1823	0.2547	0.4438	0.3857	0.3629	0.1650	0.1462	0.1434
9	500	24	Small	33%	0.1522	0.1355	0.1390	0.1699	0.1405	0.1663	0.1907	0.1690	0.1675	0.1573	0.1415	0.1431
10	500	24	Small	66%	0.1529	0.1360	0.1313	0.1607	0.1667	0.2045	0.2413	0.2244	0.2141	0.1640	0.1443	0.1395
11	500	24	Large	33%	0.1583	0.1343	0.1262	0.1639	0.1564	0.1859	0.2545	0.2164	0.1992	0.1665	0.1403	0.1314
12	500	24	Large	66%	0.1495	0.1446	0.1297	0.1946	0.2701	0.3112	0.4025	0.3931	0.3512	0.1613	0.1519	0.1364
13	1000	6	Small	33%	0.1060	0.0923	0.0953	0.3040	0.1591	0.1035	0.1400	0.1100	0.1114	0.1259	0.1027	0.1046
14	1000	6	Small	66%	0.1072	0.0943	0.0915	0.2547	0.1149	0.1114	0.2411	0.2061	0.1979	0.1348	0.1121	0.1114
15	1000	6	Large	33%	0.1085	0.1001	0.0904	0.2891	0.1459	0.0940	0.1775	0.1528	0.1398	0.1247	0.1168	0.1000
16	1000	6	Large	66%	0.1058	0.0979	0.0932	0.1875	0.1063	0.1511	0.4888	0.4100	0.3568	0.1330	0.1181	0.1134
17	1000	12	Small	33%	0.1066	0.0972	0.0938	0.1961	0.1100	0.1089	0.1539	0.1356	0.1295	0.1153	0.1062	0.1018
18	1000	12	Small	66%	0.1091	0.0998	0.0882	0.1555	0.1071	0.1476	0.2269	0.2075	0.1932	0.1194	0.1135	0.0987
19	1000	12	Large	33%	0.1018	0.1007	0.0904	0.1649	0.1058	0.1287	0.2195	0.2062	0.1825	0.1126	0.1072	0.0946
20	1000	12	Large	66%	0.1013	0.0993	0.0923	0.1121	0.1686	0.2406	0.4383	0.3838	0.3599	0.1150	0.1077	0.0995
21	1000	24	Small	33%	0.1061	0.0962	0.0945	0.1337	0.1004	0.1287	0.1489	0.1320	0.1278	0.1128	0.1008	0.0960
22	1000	24	Small	66%	0.1073	0.0988	0.0900	0.1135	0.1343	0.1825	0.2263	0.1998	0.1913	0.1153	0.1044	0.0956
23	1000	24	Large	33%	0.1026	0.0918	0.0887	0.1078	0.1177	0.1636	0.2143	0.1875	0.1810	0.1101	0.0983	0.0911
24	1000	24	Large	66%	0.1095	0.0991	0.0865	0.1680	0.2289	0.2816	0.3995	0.3546	0.3291	0.1154	0.1032	0.0913
25	2000	6	Small	33%	0.0735	0.0714	0.0633	0.2953	0.1404	0.0695	0.1072	0.0923	0.0846	0.0865	0.0790	0.0715
26	2000	6	Small	66%	0.0784	0.0669	0.0657	0.2374	0.0914	0.0862	0.2269	0.1981	0.1848	0.0930	0.0812	0.0789
27	2000	6	Large	33%	0.0795	0.0722	0.0659	0.2783	0.1287	0.0701	0.1552	0.1263	0.1159	0.0893	0.0792	0.0758
28	2000	6	Large	66%	0.0737	0.0726	0.0691	0.1675	0.0803	0.1423	0.4752	0.3957	0.3611	0.0954	0.0840	0.0807
29	2000	12	Small	33%	0.0763	0.0704	0.0677	0.1896	0.0820	0.0861	0.1220	0.1121	0.1076	0.0832	0.0736	0.0748
30	2000	12	Small	66%	0.0779	0.0684	0.0630	0.1379	0.0766	0.1241	0.2121	0.1927	0.1748	0.0903	0.0735	0.0687
31	2000	12	Large	33%	0.0795	0.0665	0.0634	0.1420	0.0688	0.1091	0.2120	0.1895	0.1722	0.0835	0.0712	0.0670
32	2000	12	Large	66%	0.0760	0.0683	0.0634	0.0805	0.1519	0.2173	0.4119	0.3772	0.3386	0.0846	0.0756	0.0675
33	2000	24	Small	33%	0.0760	0.0683	0.0639	0.1113	0.0739	0.1017	0.1260	0.1138	0.1023	0.0809	0.0705	0.0658
34	2000	24	Small	66%	0.0761	0.0698	0.0630	0.0794	0.1145	0.1619	0.2062	0.1871	0.1719	0.0801	0.0727	0.0662
35	2000	24	Large	33%	0.0757	0.0695	0.0654	0.0829	0.0980	0.1499	0.1964	0.1761	0.1674	0.0810	0.0715	0.0688
36	2000	24	Large	66%	0.0764	0.0692	0.0672	0.1499	0.2189	0.2774	0.3914	0.3487	0.3229	0.0825	0.0725	0.0701

**Outcome3\_Intercept\_RMSE**

Obs	SampleSize	NumItems	DIFmag	DIFperc	LMSV_1	MMMV_1	SMLV_1	LMSV_2	MMMV_2	SMLV_2	LMSV_3	MMMV_3	SMLV_3	LMSV_4	MMMV_4	SMLV_4
1	500	6	Small	33%	0.1172	0.1128	0.1110	0.1302	0.1225	0.1218	0.1298	0.1267	0.1234	0.1305	0.1274	0.1242
2	500	6	Small	66%	0.1092	0.1130	0.1164	0.1240	0.1263	0.1248	0.1196	0.1286	0.1290	0.1202	0.1285	0.1306
3	500	6	Large	33%	0.1110	0.1029	0.1092	0.1228	0.1129	0.1207	0.1202	0.1168	0.1239	0.1199	0.1168	0.1244
4	500	6	Large	66%	0.1077	0.1100	0.1079	0.1292	0.1160	0.1204	0.1201	0.1193	0.1236	0.1233	0.1202	0.1249
5	500	12	Small	33%	0.1132	0.1126	0.1093	0.1279	0.1225	0.1198	0.1238	0.1253	0.1223	0.1240	0.1262	0.1221
6	500	12	Small	66%	0.1114	0.1061	0.1109	0.1232	0.1171	0.1202	0.1222	0.1188	0.1215	0.1227	0.1186	0.1220
7	500	12	Large	33%	0.1078	0.1149	0.1077	0.1177	0.1260	0.1190	0.1196	0.1282	0.1185	0.1186	0.1289	0.1193
8	500	12	Large	66%	0.1089	0.1134	0.1089	0.1195	0.1232	0.1206	0.1213	0.1236	0.1221	0.1199	0.1247	0.1237
9	500	24	Small	33%	0.1070	0.1148	0.1104	0.1172	0.1226	0.1207	0.1185	0.1246	0.1195	0.1190	0.1246	0.1191
10	500	24	Small	66%	0.1093	0.1079	0.1040	0.1186	0.1202	0.1195	0.1177	0.1226	0.1205	0.1181	0.1225	0.1206
11	500	24	Large	33%	0.1104	0.1100	0.1091	0.1213	0.1193	0.1202	0.1207	0.1212	0.1190	0.1209	0.1213	0.1188
12	500	24	Large	66%	0.1097	0.1063	0.1054	0.1183	0.1159	0.1174	0.1179	0.1189	0.1162	0.1178	0.1175	0.1183
13	1000	6	Small	33%	0.0764	0.0763	0.0767	0.1017	0.0863	0.0860	0.0879	0.0862	0.0881	0.0876	0.0866	0.0885
14	1000	6	Small	66%	0.0711	0.0747	0.0764	0.0874	0.0859	0.0843	0.0788	0.0854	0.0866	0.0802	0.0859	0.0865
15	1000	6	Large	33%	0.0775	0.0782	0.0770	0.0932	0.0870	0.0842	0.0852	0.0884	0.0846	0.0850	0.0888	0.0854
16	1000	6	Large	66%	0.0781	0.0730	0.0809	0.0928	0.0835	0.0867	0.0871	0.0826	0.0886	0.0863	0.0820	0.0896
17	1000	12	Small	33%	0.0775	0.0790	0.0735	0.0880	0.0864	0.0815	0.0817	0.0863	0.0834	0.0815	0.0864	0.0835
18	1000	12	Small	66%	0.0754	0.0760	0.0764	0.0885	0.0844	0.0852	0.0833	0.0855	0.0845	0.0837	0.0864	0.0852
19	1000	12	Large	33%	0.0765	0.0768	0.0777	0.0870	0.0838	0.0852	0.0835	0.0867	0.0823	0.0833	0.0862	0.0826
20	1000	12	Large	66%	0.0755	0.0759	0.0787	0.0851	0.0834	0.0854	0.0841	0.0848	0.0865	0.0830	0.0850	0.0871
21	1000	24	Small	33%	0.0776	0.0735	0.0746	0.0872	0.0798	0.0802	0.0856	0.0819	0.0791	0.0857	0.0820	0.0792
22	1000	24	Small	66%	0.0769	0.0781	0.0753	0.0829	0.0853	0.0835	0.0823	0.0860	0.0817	0.0824	0.0862	0.0818
23	1000	24	Large	33%	0.0771	0.0807	0.0807	0.0866	0.0879	0.0855	0.0847	0.0883	0.0854	0.0850	0.0881	0.0863
24	1000	24	Large	66%	0.0784	0.0756	0.0774	0.0849	0.0814	0.0852	0.0855	0.0834	0.0839	0.0843	0.0823	0.0842
25	2000	6	Small	33%	0.0550	0.0552	0.0556	0.0758	0.0630	0.0625	0.0621	0.0591	0.0635	0.0617	0.0591	0.0635
26	2000	6	Small	66%	0.0547	0.0580	0.0563	0.0716	0.0660	0.0619	0.0594	0.0643	0.0639	0.0603	0.0644	0.0648
27	2000	6	Large	33%	0.0544	0.0557	0.0546	0.0733	0.0628	0.0600	0.0591	0.0625	0.0604	0.0592	0.0626	0.0611
28	2000	6	Large	66%	0.0542	0.0540	0.0548	0.0749	0.0632	0.0592	0.0595	0.0610	0.0600	0.0610	0.0612	0.0615
29	2000	12	Small	33%	0.0517	0.0527	0.0559	0.0664	0.0601	0.0621	0.0571	0.0584	0.0615	0.0571	0.0582	0.0616
30	2000	12	Small	66%	0.0572	0.0563	0.0540	0.0681	0.0621	0.0586	0.0613	0.0613	0.0601	0.0612	0.0614	0.0605
31	2000	12	Large	33%	0.0556	0.0532	0.0540	0.0689	0.0598	0.0591	0.0597	0.0590	0.0603	0.0601	0.0587	0.0608
32	2000	12	Large	66%	0.0573	0.0554	0.0561	0.0669	0.0606	0.0605	0.0629	0.0619	0.0603	0.0616	0.0609	0.0616
33	2000	24	Small	33%	0.0569	0.0581	0.0534	0.0644	0.0613	0.0607	0.0621	0.0623	0.0612	0.0621	0.0621	0.0612
34	2000	24	Small	66%	0.0553	0.0534	0.0542	0.0630	0.0586	0.0603	0.0612	0.0582	0.0597	0.0610	0.0580	0.0602
35	2000	24	Large	33%	0.0555	0.0564	0.0543	0.0630	0.0596	0.0608	0.0608	0.0606	0.0603	0.0609	0.0607	0.0604
36	2000	24	Large	66%	0.0540	0.0563	0.0539	0.0609	0.0608	0.0598	0.0596	0.0622	0.0590	0.0590	0.0616	0.0609

**Outcome3\_Eta\_RMSE**

Obs	SampleSize	NumItems	DIFmag	DIFperc	LMSV_1	MMMV_1	SMLV_1	LMSV_2	MMMV_2	SMLV_2	LMSV_3	MMMV_3	SMLV_3	LMSV_4	MMMV_4	SMLV_4
1	500	6	Small	33%	0.1478	0.1296	0.1207	0.3021	0.1978	0.1838	0.2338	0.1923	0.2225	0.2388	0.1885	0.2125
2	500	6	Small	66%	0.1464	0.1276	0.1163	0.2815	0.1865	0.1917	0.2211	0.1895	0.2293	0.2397	0.2068	0.2385
3	500	6	Large	33%	0.1426	0.1178	0.1218	0.2856	0.1840	0.1737	0.2206	0.1859	0.2300	0.2274	0.1805	0.2013
4	500	6	Large	66%	0.1460	0.1215	0.1153	0.2706	0.1823	0.1776	0.2302	0.2244	0.2739	0.2396	0.2196	0.2386
5	500	12	Small	33%	0.1427	0.1179	0.1226	0.2234	0.1588	0.1651	0.1832	0.1497	0.1647	0.1871	0.1527	0.1671
6	500	12	Small	66%	0.1415	0.1234	0.1197	0.2217	0.1599	0.1500	0.1890	0.1616	0.1690	0.1963	0.1676	0.1766
7	500	12	Large	33%	0.1415	0.1246	0.1155	0.2216	0.1604	0.1566	0.1889	0.1619	0.1663	0.1920	0.1661	0.1701
8	500	12	Large	66%	0.1445	0.1264	0.1159	0.1916	0.1680	0.1588	0.1836	0.1831	0.2044	0.1887	0.1834	0.1849
9	500	24	Small	33%	0.1467	0.1181	0.1169	0.1787	0.1400	0.1441	0.1640	0.1381	0.1412	0.1664	0.1396	0.1445
10	500	24	Small	66%	0.1491	0.1284	0.1161	0.1830	0.1476	0.1440	0.1754	0.1491	0.1432	0.1818	0.1507	0.1444
11	500	24	Large	33%	0.1482	0.1222	0.1161	0.1797	0.1424	0.1417	0.1743	0.1439	0.1405	0.1758	0.1460	0.1419
12	500	24	Large	66%	0.1391	0.1237	0.1258	0.1643	0.1566	0.1543	0.1697	0.1532	0.1734	0.1697	0.1525	0.1569
13	1000	6	Small	33%	0.1047	0.0877	0.0814	0.2765	0.1670	0.1450	0.1783	0.1529	0.1625	0.1827	0.1448	0.1479
14	1000	6	Small	66%	0.1012	0.0862	0.0820	0.2574	0.1563	0.1382	0.1654	0.1492	0.1630	0.1835	0.1554	0.1590
15	1000	6	Large	33%	0.1034	0.0885	0.0843	0.2582	0.1659	0.1395	0.1652	0.1555	0.1769	0.1730	0.1472	0.1502
16	1000	6	Large	66%	0.1030	0.0875	0.0830	0.2382	0.1392	0.1231	0.1694	0.1735	0.2106	0.1809	0.1562	0.1583
17	1000	12	Small	33%	0.0992	0.0895	0.0838	0.1913	0.1281	0.1255	0.1321	0.1160	0.1245	0.1356	0.1181	0.1217
18	1000	12	Small	66%	0.1023	0.0869	0.0838	0.1910	0.1222	0.1144	0.1378	0.1202	0.1261	0.1468	0.1227	0.1215
19	1000	12	Large	33%	0.1063	0.0863	0.0868	0.1778	0.1215	0.1194	0.1380	0.1158	0.1225	0.1403	0.1195	0.1212
20	1000	12	Large	66%	0.1042	0.0909	0.0832	0.1651	0.1170	0.1130	0.1490	0.1327	0.1502	0.1529	0.1257	0.1234
21	1000	24	Small	33%	0.1038	0.0893	0.0849	0.1495	0.1113	0.1079	0.1253	0.1080	0.1012	0.1268	0.1087	0.1020
22	1000	24	Small	66%	0.1007	0.0880	0.0864	0.1442	0.1105	0.1037	0.1281	0.1124	0.1163	0.1327	0.1138	0.1147
23	1000	24	Large	33%	0.1030	0.0872	0.0840	0.1430	0.1047	0.1013	0.1287	0.1064	0.1042	0.1301	0.1076	0.1029
24	1000	24	Large	66%	0.1025	0.0882	0.0871	0.1158	0.1142	0.1026	0.1228	0.1040	0.1310	0.1239	0.1008	0.1091
25	2000	6	Small	33%	0.0744	0.0614	0.0603	0.2434	0.1403	0.1160	0.1282	0.1169	0.1256	0.1330	0.1072	0.1063
26	2000	6	Small	66%	0.0726	0.0610	0.0630	0.2340	0.1271	0.1090	0.1195	0.1091	0.1259	0.1347	0.1114	0.1157
27	2000	6	Large	33%	0.0701	0.0619	0.0580	0.2442	0.1314	0.1096	0.1320	0.1123	0.1397	0.1400	0.1043	0.1062
28	2000	6	Large	66%	0.0753	0.0609	0.0577	0.2218	0.1142	0.0881	0.1341	0.1360	0.1750	0.1456	0.1135	0.1122
29	2000	12	Small	33%	0.0737	0.0609	0.0605	0.1815	0.1057	0.0956	0.1075	0.0867	0.0857	0.1115	0.0881	0.0835
30	2000	12	Small	66%	0.0709	0.0644	0.0571	0.1722	0.0992	0.0883	0.1089	0.0957	0.0945	0.1159	0.0946	0.0878
31	2000	12	Large	33%	0.0668	0.0652	0.0585	0.1623	0.0982	0.0897	0.1041	0.0905	0.0900	0.1073	0.0933	0.0863
32	2000	12	Large	66%	0.0739	0.0658	0.0578	0.1414	0.0804	0.0780	0.1149	0.1019	0.1245	0.1185	0.0922	0.0885
33	2000	24	Small	33%	0.0689	0.0647	0.0596	0.1268	0.0846	0.0816	0.0908	0.0778	0.0769	0.0937	0.0787	0.0761
34	2000	24	Small	66%	0.0728	0.0663	0.0558	0.1147	0.0789	0.0716	0.0907	0.0800	0.0806	0.0950	0.0792	0.0751
35	2000	24	Large	33%	0.0670	0.0631	0.0580	0.1020	0.0758	0.0753	0.0841	0.0754	0.0775	0.0848	0.0760	0.0745
36	2000	24	Large	66%	0.0738	0.0640	0.0577	0.0887	0.0787	0.0734	0.0976	0.0863	0.1026	0.0977	0.0788	0.0768

*Outcome3\_Age\_RMSE*

Obs	SampleSize	NumItems	DIFmag	DIFperc	LMSV_1	MMMV_1	SMLV_1	LMSV_2	MMMV_2	SMLV_2	LMSV_3	MMMV_3	SMLV_3	LMSV_4	MMMV_4	SMLV_4
1	500	6	Small	33%	0.1033	0.0947	0.0915	0.2043	0.1238	0.0983	0.1223	0.1025	0.1015	0.1245	0.1035	0.1026
2	500	6	Small	66%	0.1012	0.0868	0.0883	0.2084	0.1193	0.0944	0.1147	0.0967	0.1002	0.1216	0.1059	0.1048
3	500	6	Large	33%	0.0972	0.0906	0.0852	0.2053	0.1169	0.0907	0.1132	0.1028	0.0951	0.1186	0.1021	0.0942
4	500	6	Large	66%	0.0931	0.0899	0.0871	0.2092	0.1159	0.0939	0.1196	0.1074	0.1049	0.1267	0.1061	0.1005
5	500	12	Small	33%	0.0992	0.0853	0.0859	0.1646	0.0984	0.0896	0.1080	0.0934	0.0912	0.1085	0.0944	0.0922
6	500	12	Small	66%	0.0946	0.0891	0.0876	0.1646	0.1001	0.0903	0.1011	0.0935	0.0914	0.1078	0.0961	0.0974
7	500	12	Large	33%	0.0965	0.0891	0.0887	0.1580	0.0998	0.0928	0.1070	0.0982	0.0937	0.1079	0.0971	0.0937
8	500	12	Large	66%	0.1004	0.0864	0.0837	0.1542	0.1003	0.0919	0.1179	0.0972	0.0961	0.1111	0.0968	0.0945
9	500	24	Small	33%	0.0963	0.0876	0.0883	0.1244	0.0910	0.0927	0.0999	0.0889	0.0907	0.0999	0.0896	0.0905
10	500	24	Small	66%	0.0975	0.0902	0.0853	0.1306	0.0934	0.0911	0.1044	0.0922	0.0894	0.1069	0.0936	0.0910
11	500	24	Large	33%	0.0976	0.0889	0.0870	0.1274	0.0925	0.0939	0.1021	0.0951	0.0917	0.1014	0.0922	0.0912
12	500	24	Large	66%	0.0928	0.0890	0.0847	0.1196	0.0914	0.0922	0.1024	0.0982	0.0918	0.0993	0.0927	0.0911
13	1000	6	Small	33%	0.0718	0.0622	0.0590	0.2032	0.1016	0.0647	0.0878	0.0715	0.0638	0.0931	0.0728	0.0653
14	1000	6	Small	66%	0.0673	0.0631	0.0598	0.2021	0.1088	0.0657	0.0799	0.0731	0.0706	0.0918	0.0795	0.0726
15	1000	6	Large	33%	0.0711	0.0614	0.0646	0.1944	0.1000	0.0687	0.0844	0.0699	0.0737	0.0905	0.0727	0.0735
16	1000	6	Large	66%	0.0704	0.0607	0.0604	0.1943	0.0933	0.0652	0.0934	0.0791	0.0767	0.0927	0.0719	0.0732
17	1000	12	Small	33%	0.0661	0.0652	0.0602	0.1476	0.0804	0.0610	0.0710	0.0678	0.0643	0.0736	0.0687	0.0652
18	1000	12	Small	66%	0.0668	0.0641	0.0602	0.1501	0.0819	0.0626	0.0737	0.0708	0.0651	0.0786	0.0736	0.0669
19	1000	12	Large	33%	0.0684	0.0647	0.0593	0.1397	0.0802	0.0647	0.0753	0.0697	0.0651	0.0754	0.0693	0.0645
20	1000	12	Large	66%	0.0702	0.0638	0.0577	0.1388	0.0776	0.0642	0.0863	0.0756	0.0695	0.0787	0.0711	0.0651
21	1000	24	Small	33%	0.0712	0.0638	0.0602	0.1183	0.0692	0.0642	0.0760	0.0666	0.0614	0.0777	0.0674	0.0622
22	1000	24	Small	66%	0.0701	0.0631	0.0594	0.1123	0.0705	0.0655	0.0757	0.0671	0.0626	0.0770	0.0675	0.0638
23	1000	24	Large	33%	0.0703	0.0623	0.0591	0.1113	0.0647	0.0639	0.0738	0.0667	0.0617	0.0770	0.0650	0.0608
24	1000	24	Large	66%	0.0687	0.0585	0.0626	0.1002	0.0608	0.0718	0.0814	0.0696	0.0705	0.0749	0.0609	0.0659
25	2000	6	Small	33%	0.0501	0.0431	0.0427	0.1877	0.0904	0.0472	0.0614	0.0474	0.0482	0.0668	0.0493	0.0499
26	2000	6	Small	66%	0.0493	0.0434	0.0420	0.1887	0.0925	0.0471	0.0543	0.0512	0.0465	0.0635	0.0556	0.0500
27	2000	6	Large	33%	0.0490	0.0422	0.0430	0.1824	0.0849	0.0459	0.0590	0.0495	0.0490	0.0661	0.0504	0.0479
28	2000	6	Large	66%	0.0513	0.0449	0.0391	0.1883	0.0842	0.0429	0.0718	0.0638	0.0567	0.0708	0.0526	0.0486
29	2000	12	Small	33%	0.0512	0.0465	0.0445	0.1467	0.0666	0.0464	0.0579	0.0489	0.0459	0.0618	0.0499	0.0471
30	2000	12	Small	66%	0.0494	0.0445	0.0416	0.1422	0.0682	0.0454	0.0551	0.0485	0.0456	0.0606	0.0512	0.0470
31	2000	12	Large	33%	0.0491	0.0450	0.0434	0.1366	0.0612	0.0463	0.0525	0.0523	0.0481	0.0568	0.0497	0.0465
32	2000	12	Large	66%	0.0510	0.0444	0.0426	0.1349	0.0595	0.0468	0.0620	0.0590	0.0543	0.0610	0.0500	0.0458
33	2000	24	Small	33%	0.0454	0.0435	0.0444	0.1015	0.0528	0.0484	0.0494	0.0449	0.0461	0.0520	0.0455	0.0463
34	2000	24	Small	66%	0.0484	0.0445	0.0459	0.0998	0.0509	0.0506	0.0513	0.0469	0.0470	0.0537	0.0478	0.0468
35	2000	24	Large	33%	0.0456	0.0444	0.0418	0.0896	0.0479	0.0507	0.0510	0.0480	0.0466	0.0503	0.0468	0.0448
36	2000	24	Large	66%	0.0491	0.0440	0.0431	0.0903	0.0461	0.0565	0.0611	0.0545	0.0521	0.0556	0.0471	0.0449

**Outcome3\_Sex\_RMSE**

Obs	SampleSize	NumItems	DIFmag	DIFperc	LMSV_1	MMMV_1	SMLV_1	LMSV_2	MMMV_2	SMLV_2	LMSV_3	MMMV_3	SMLV_3	LMSV_4	MMMV_4	SMLV_4
1	500	6	Small	33%	0.1105	0.1169	0.1144	0.1190	0.1420	0.1719	0.1295	0.1343	0.1360	0.1183	0.1286	0.1264
2	500	6	Small	66%	0.1116	0.1124	0.1125	0.1207	0.1448	0.1686	0.1352	0.1425	0.1443	0.1192	0.1259	0.1324
3	500	6	Large	33%	0.1114	0.1218	0.1101	0.1254	0.1598	0.1731	0.1587	0.1622	0.1476	0.1212	0.1296	0.1201
4	500	6	Large	66%	0.1142	0.1110	0.1100	0.1503	0.1832	0.2146	0.2268	0.2292	0.2271	0.1268	0.1275	0.1291
5	500	12	Small	33%	0.1112	0.1092	0.1172	0.1175	0.1321	0.1647	0.1203	0.1216	0.1300	0.1157	0.1162	0.1253
6	500	12	Small	66%	0.1165	0.1089	0.1168	0.1244	0.1428	0.1793	0.1329	0.1310	0.1420	0.1236	0.1170	0.1259
7	500	12	Large	33%	0.1194	0.1105	0.1158	0.1316	0.1499	0.1772	0.1435	0.1385	0.1435	0.1219	0.1153	0.1211
8	500	12	Large	66%	0.1092	0.1115	0.1106	0.1493	0.1914	0.2308	0.1902	0.2057	0.2125	0.1169	0.1188	0.1222
9	500	24	Small	33%	0.1116	0.1128	0.1164	0.1172	0.1324	0.1519	0.1181	0.1208	0.1251	0.1152	0.1162	0.1204
10	500	24	Small	66%	0.1203	0.1151	0.1110	0.1331	0.1486	0.1682	0.1387	0.1361	0.1339	0.1237	0.1184	0.1172
11	500	24	Large	33%	0.1125	0.1076	0.1093	0.1247	0.1367	0.1715	0.1309	0.1248	0.1380	0.1155	0.1101	0.1115
12	500	24	Large	66%	0.1012	0.1086	0.1089	0.1549	0.1963	0.2215	0.1811	0.1955	0.1923	0.1062	0.1171	0.1160
13	1000	6	Small	33%	0.0819	0.0777	0.0821	0.0877	0.1083	0.1415	0.0971	0.0928	0.0972	0.0861	0.0837	0.0871
14	1000	6	Small	66%	0.0777	0.0796	0.0805	0.0904	0.1215	0.1501	0.1072	0.1117	0.1145	0.0869	0.0891	0.0913
15	1000	6	Large	33%	0.0844	0.0749	0.0823	0.1017	0.1225	0.1662	0.1370	0.1228	0.1350	0.0896	0.0815	0.0893
16	1000	6	Large	66%	0.0808	0.0783	0.0769	0.1251	0.1698	0.1986	0.2095	0.2169	0.2151	0.0897	0.0870	0.0889
17	1000	12	Small	33%	0.0816	0.0798	0.0786	0.0860	0.1054	0.1276	0.0894	0.0891	0.0868	0.0840	0.0844	0.0824
18	1000	12	Small	66%	0.0812	0.0767	0.0774	0.0958	0.1183	0.1473	0.1043	0.1036	0.1054	0.0850	0.0819	0.0854
19	1000	12	Large	33%	0.0808	0.0760	0.0842	0.0926	0.1177	0.1582	0.1050	0.1049	0.1222	0.0835	0.0815	0.0892
20	1000	12	Large	66%	0.0776	0.0773	0.0818	0.1350	0.1727	0.2155	0.1831	0.1871	0.1991	0.0818	0.0850	0.0866
21	1000	24	Small	33%	0.0770	0.0805	0.0767	0.0827	0.0980	0.1147	0.0841	0.0863	0.0824	0.0776	0.0834	0.0796
22	1000	24	Small	66%	0.0837	0.0758	0.0774	0.1003	0.1127	0.1394	0.1056	0.0979	0.1006	0.0858	0.0790	0.0790
23	1000	24	Large	33%	0.0782	0.0803	0.0807	0.0963	0.1239	0.1467	0.1032	0.1089	0.1103	0.0792	0.0819	0.0829
24	1000	24	Large	66%	0.0847	0.0774	0.0741	0.1476	0.1670	0.2093	0.1747	0.1645	0.1795	0.0879	0.0792	0.0769
25	2000	6	Small	33%	0.0528	0.0558	0.0578	0.0621	0.0946	0.1357	0.0747	0.0738	0.0827	0.0566	0.0596	0.0632
26	2000	6	Small	66%	0.0565	0.0542	0.0546	0.0724	0.0991	0.1377	0.0927	0.0888	0.0967	0.0607	0.0598	0.0631
27	2000	6	Large	33%	0.0580	0.0567	0.0571	0.0788	0.1131	0.1401	0.1177	0.1131	0.1061	0.0618	0.0613	0.0619
28	2000	6	Large	66%	0.0557	0.0556	0.0561	0.1041	0.1537	0.1978	0.1958	0.2043	0.2172	0.0597	0.0626	0.0640
29	2000	12	Small	33%	0.0545	0.0576	0.0559	0.0579	0.0907	0.1152	0.0608	0.0690	0.0658	0.0560	0.0613	0.0588
30	2000	12	Small	66%	0.0533	0.0560	0.0530	0.0709	0.1057	0.1371	0.0827	0.0865	0.0886	0.0579	0.0597	0.0559
31	2000	12	Large	33%	0.0525	0.0588	0.0533	0.0700	0.1127	0.1482	0.0864	0.0973	0.1058	0.0541	0.0613	0.0561
32	2000	12	Large	66%	0.0557	0.0573	0.0542	0.1187	0.1669	0.2078	0.1689	0.1805	0.1903	0.0593	0.0617	0.0597
33	2000	24	Small	33%	0.0576	0.0571	0.0557	0.0612	0.0800	0.1088	0.0622	0.0629	0.0669	0.0587	0.0583	0.0576
34	2000	24	Small	66%	0.0562	0.0567	0.0546	0.0766	0.1005	0.1287	0.0833	0.0824	0.0846	0.0576	0.0598	0.0572
35	2000	24	Large	33%	0.0573	0.0542	0.0537	0.0770	0.1038	0.1372	0.0847	0.0861	0.0936	0.0578	0.0564	0.0561
36	2000	24	Large	66%	0.0549	0.0564	0.0546	0.1290	0.1627	0.2029	0.1593	0.1605	0.1715	0.0565	0.0584	0.0566

**Outcome3\_Study\_RMSE**

Obs	SampleSize	NumItems	DIFmag	DIFperc	LMSV_1	MMMV_1	SMLV_1	LMSV_2	MMMV_2	SMLV_2	LMSV_3	MMMV_3	SMLV_3	LMSV_4	MMMV_4	SMLV_4
1	500	6	Small	33%	0.1523	0.1485	0.1283	0.3523	0.2029	0.1410	0.1832	0.1625	0.1471	0.1906	0.1626	0.1450
2	500	6	Small	66%	0.1529	0.1421	0.1375	0.3019	0.1696	0.1518	0.2363	0.2217	0.2280	0.1953	0.1772	0.1636
3	500	6	Large	33%	0.1567	0.1439	0.1369	0.3464	0.1891	0.1448	0.1983	0.1732	0.1735	0.1947	0.1574	0.1527
4	500	6	Large	66%	0.1549	0.1400	0.1331	0.2646	0.1544	0.1825	0.4062	0.3845	0.3632	0.2073	0.1706	0.1581
5	500	12	Small	33%	0.1616	0.1318	0.1391	0.2501	0.1459	0.1478	0.1901	0.1672	0.1580	0.1778	0.1460	0.1416
6	500	12	Small	66%	0.1546	0.1399	0.1355	0.2236	0.1457	0.1724	0.2135	0.2168	0.2079	0.1796	0.1519	0.1507
7	500	12	Large	33%	0.1561	0.1360	0.1281	0.2154	0.1440	0.1552	0.2355	0.2136	0.1966	0.1727	0.1525	0.1368
8	500	12	Large	66%	0.1521	0.1400	0.1342	0.1658	0.1775	0.2398	0.3992	0.3600	0.3437	0.1765	0.1580	0.1490
9	500	24	Small	33%	0.1475	0.1352	0.1292	0.1752	0.1376	0.1504	0.1788	0.1593	0.1505	0.1570	0.1390	0.1329
10	500	24	Small	66%	0.1574	0.1461	0.1286	0.1701	0.1693	0.2003	0.2395	0.2213	0.2112	0.1722	0.1524	0.1357
11	500	24	Large	33%	0.1595	0.1418	0.1285	0.1730	0.1604	0.1877	0.2288	0.2136	0.2040	0.1676	0.1472	0.1344
12	500	24	Large	66%	0.1547	0.1386	0.1275	0.1874	0.2452	0.2863	0.3794	0.3622	0.3278	0.1670	0.1480	0.1369
13	1000	6	Small	33%	0.1095	0.0981	0.0943	0.3462	0.1789	0.1028	0.1323	0.1133	0.1047	0.1453	0.1152	0.1030
14	1000	6	Small	66%	0.1091	0.1078	0.0908	0.2908	0.1414	0.1031	0.1869	0.1902	0.1835	0.1526	0.1352	0.1097
15	1000	6	Large	33%	0.1106	0.1019	0.0935	0.3206	0.1651	0.1003	0.1496	0.1312	0.1306	0.1426	0.1192	0.1045
16	1000	6	Large	66%	0.1143	0.0976	0.0930	0.2303	0.1056	0.1389	0.3963	0.3632	0.3318	0.1519	0.1184	0.1095
17	1000	12	Small	33%	0.1096	0.1006	0.0932	0.2289	0.1179	0.1019	0.1323	0.1266	0.1229	0.1265	0.1100	0.1015
18	1000	12	Small	66%	0.1089	0.1028	0.0935	0.1812	0.1090	0.1337	0.1886	0.1891	0.1787	0.1268	0.1193	0.1054
19	1000	12	Large	33%	0.1164	0.0970	0.0919	0.1916	0.1027	0.1214	0.1965	0.1793	0.1715	0.1281	0.1062	0.0991
20	1000	12	Large	66%	0.1074	0.0995	0.0944	0.1230	0.1532	0.2122	0.3708	0.3573	0.3280	0.1278	0.1107	0.1048
21	1000	24	Small	33%	0.1051	0.0928	0.0898	0.1509	0.0964	0.1144	0.1329	0.1246	0.1154	0.1166	0.0978	0.0932
22	1000	24	Small	66%	0.1131	0.0957	0.0932	0.1252	0.1223	0.1758	0.1972	0.1824	0.1873	0.1242	0.1014	0.0976
23	1000	24	Large	33%	0.1122	0.1021	0.0958	0.1294	0.1196	0.1533	0.1799	0.1849	0.1714	0.1236	0.1056	0.0996
24	1000	24	Large	66%	0.1110	0.0947	0.0941	0.1528	0.2246	0.2750	0.3632	0.3495	0.3232	0.1191	0.0998	0.0972
25	2000	6	Small	33%	0.0791	0.0664	0.0639	0.3219	0.1612	0.0724	0.0978	0.0777	0.0778	0.1060	0.0803	0.0707
26	2000	6	Small	66%	0.0767	0.0690	0.0677	0.2708	0.1132	0.0805	0.1664	0.1661	0.1714	0.1064	0.0898	0.0797
27	2000	6	Large	33%	0.0771	0.0654	0.0665	0.3121	0.1434	0.0709	0.1126	0.1022	0.1058	0.1082	0.0783	0.0743
28	2000	6	Large	66%	0.0817	0.0680	0.0647	0.2167	0.0758	0.1198	0.3786	0.3556	0.3315	0.1153	0.0833	0.0785
29	2000	12	Small	33%	0.0829	0.0695	0.0655	0.2169	0.0896	0.0773	0.1030	0.1011	0.0978	0.0987	0.0780	0.0704
30	2000	12	Small	66%	0.0746	0.0626	0.0648	0.1648	0.0656	0.1151	0.1659	0.1596	0.1652	0.0966	0.0730	0.0719
31	2000	12	Large	33%	0.0749	0.0671	0.0655	0.1708	0.0731	0.0996	0.1665	0.1695	0.1622	0.0890	0.0750	0.0695
32	2000	12	Large	66%	0.0785	0.0685	0.0666	0.0989	0.1272	0.2004	0.3460	0.3392	0.3217	0.1003	0.0779	0.0709
33	2000	24	Small	33%	0.0759	0.0677	0.0701	0.1313	0.0708	0.1003	0.1029	0.0972	0.1025	0.0854	0.0716	0.0731
34	2000	24	Small	66%	0.0762	0.0725	0.0635	0.0919	0.0998	0.1535	0.1714	0.1667	0.1649	0.0872	0.0793	0.0663
35	2000	24	Large	33%	0.0770	0.0728	0.0677	0.0897	0.0935	0.1370	0.1766	0.1660	0.1560	0.0841	0.0768	0.0711
36	2000	24	Large	66%	0.0744	0.0673	0.0617	0.1219	0.2059	0.2634	0.3480	0.3342	0.3103	0.0835	0.0736	0.0660



**Outcome3\_Stress\_RMSE**

Obs	SampleSize	NumItems	DIFmag	DIFperc	LMSV_1	MMMV_1	SMLV_1	LMSV_2	MMMV_2	SMLV_2	LMSV_3	MMMV_3	SMLV_3	LMSV_4	MMMV_4	SMLV_4
1	500	6	Small	33%	0.1178	0.1169	0.1166	0.2207	0.2048	0.2111	0.2194	0.1925	0.1815	0.2203	0.1933	0.1821
2	500	6	Small	66%	0.1121	0.1244	0.1196	0.2189	0.2053	0.2129	0.2175	0.1929	0.1853	0.2188	0.1953	0.1876
3	500	6	Large	33%	0.1205	0.1124	0.1212	0.2204	0.1975	0.2056	0.2186	0.1853	0.1773	0.2183	0.1855	0.1769
4	500	6	Large	66%	0.1225	0.1139	0.1145	0.2265	0.2069	0.2136	0.2322	0.2015	0.1879	0.2253	0.1980	0.1855
5	500	12	Small	33%	0.1203	0.1185	0.1174	0.1782	0.1704	0.1724	0.1784	0.1615	0.1506	0.1791	0.1618	0.1507
6	500	12	Small	66%	0.1170	0.1168	0.1192	0.1823	0.1606	0.1810	0.1811	0.1537	0.1610	0.1821	0.1547	0.1624
7	500	12	Large	33%	0.1252	0.1155	0.1040	0.1819	0.1712	0.1612	0.1830	0.1634	0.1426	0.1816	0.1626	0.1424
8	500	12	Large	66%	0.1205	0.1130	0.1159	0.1821	0.1691	0.1681	0.1846	0.1638	0.1507	0.1813	0.1617	0.1489
9	500	24	Small	33%	0.1188	0.1142	0.1164	0.1476	0.1437	0.1437	0.1475	0.1387	0.1319	0.1481	0.1390	0.1318
10	500	24	Small	66%	0.1204	0.1158	0.1138	0.1483	0.1383	0.1376	0.1482	0.1342	0.1271	0.1492	0.1340	0.1267
11	500	24	Large	33%	0.1212	0.1180	0.1119	0.1461	0.1457	0.1396	0.1470	0.1424	0.1268	0.1460	0.1419	0.1264
12	500	24	Large	66%	0.1141	0.1272	0.1169	0.1462	0.1473	0.1462	0.1479	0.1444	0.1362	0.1454	0.1434	0.1344
13	1000	6	Small	33%	0.0838	0.0812	0.0810	0.2029	0.1842	0.1912	0.1996	0.1686	0.1578	0.1998	0.1688	0.1581
14	1000	6	Small	66%	0.0848	0.0803	0.0795	0.2063	0.1839	0.1966	0.2038	0.1701	0.1630	0.2042	0.1706	0.1631
15	1000	6	Large	33%	0.0839	0.0755	0.0820	0.2004	0.1823	0.1880	0.1978	0.1677	0.1552	0.1974	0.1673	0.1546
16	1000	6	Large	66%	0.0846	0.0808	0.0878	0.2060	0.1845	0.1890	0.2091	0.1754	0.1613	0.2007	0.1691	0.1556
17	1000	12	Small	33%	0.0840	0.0841	0.0780	0.1539	0.1441	0.1537	0.1522	0.1337	0.1281	0.1524	0.1338	0.1281
18	1000	12	Small	66%	0.0831	0.0771	0.0819	0.1599	0.1396	0.1529	0.1574	0.1288	0.1280	0.1575	0.1287	0.1279
19	1000	12	Large	33%	0.0856	0.0822	0.0771	0.1529	0.1387	0.1495	0.1539	0.1304	0.1234	0.1520	0.1292	0.1226
20	1000	12	Large	66%	0.0890	0.0798	0.0807	0.1582	0.1438	0.1499	0.1604	0.1366	0.1287	0.1555	0.1330	0.1250
21	1000	24	Small	33%	0.0842	0.0827	0.0797	0.1229	0.1123	0.1154	0.1226	0.1066	0.1009	0.1225	0.1067	0.1009
22	1000	24	Small	66%	0.0846	0.0785	0.0792	0.1289	0.1097	0.1161	0.1283	0.1044	0.1012	0.1283	0.1044	0.1009
23	1000	24	Large	33%	0.0867	0.0775	0.0764	0.1270	0.1134	0.1127	0.1287	0.1083	0.0976	0.1268	0.1073	0.0964
24	1000	24	Large	66%	0.0839	0.0817	0.0859	0.1263	0.1097	0.1222	0.1288	0.1058	0.1095	0.1246	0.1034	0.1067
25	2000	6	Small	33%	0.0593	0.0549	0.0575	0.1896	0.1736	0.1785	0.1859	0.1574	0.1421	0.1861	0.1574	0.1419
26	2000	6	Small	66%	0.0609	0.0561	0.0559	0.1945	0.1761	0.1843	0.1912	0.1606	0.1482	0.1908	0.1598	0.1473
27	2000	6	Large	33%	0.0599	0.0545	0.0563	0.1913	0.1749	0.1837	0.1884	0.1586	0.1472	0.1877	0.1580	0.1462
28	2000	6	Large	66%	0.0547	0.0605	0.0589	0.1965	0.1798	0.1879	0.1984	0.1696	0.1573	0.1894	0.1622	0.1498
29	2000	12	Small	33%	0.0600	0.0595	0.0584	0.1468	0.1310	0.1351	0.1453	0.1197	0.1080	0.1451	0.1195	0.1076
30	2000	12	Small	66%	0.0604	0.0581	0.0565	0.1428	0.1338	0.1381	0.1408	0.1222	0.1110	0.1404	0.1212	0.1102
31	2000	12	Large	33%	0.0601	0.0558	0.0610	0.1461	0.1279	0.1390	0.1467	0.1175	0.1124	0.1441	0.1160	0.1111
32	2000	12	Large	66%	0.0618	0.0558	0.0607	0.1535	0.1258	0.1361	0.1553	0.1182	0.1120	0.1494	0.1137	0.1076
33	2000	24	Small	33%	0.0568	0.0542	0.0597	0.1019	0.0972	0.1032	0.1019	0.0900	0.0864	0.1018	0.0897	0.0860
34	2000	24	Small	66%	0.0585	0.0569	0.0561	0.1052	0.0996	0.1019	0.1041	0.0925	0.0852	0.1039	0.0917	0.0841
35	2000	24	Large	33%	0.0571	0.0572	0.0594	0.1073	0.0983	0.1049	0.1087	0.0926	0.0885	0.1065	0.0913	0.0869
36	2000	24	Large	66%	0.0597	0.0593	0.0571	0.1126	0.0992	0.1047	0.1147	0.0947	0.0907	0.1101	0.0910	0.0864