

Tables for paper  
Table 1

Table 1: Primary Results (N = 60)

Design	Level	Parameter	Bias	Pct Bias	MSE	Coverage	CI Length	FMI
Split Form	Low	$\gamma_0$	0.042	-1.817	0.018	0.988	0.702	0.002
		$\beta_1$	-0.071	-25.122	0.269	0.983	2.534	0.236
		$\beta_2$	0.008	1.253	0.024	0.932	0.585	0.000
		$\beta_3$	0.000	-0.886	0.000	0.944	0.017	0.001
	Medium	$\gamma_0$	0.039	-1.684	0.018	0.990	0.709	0.011
		$\beta_1$	-0.102	-36.186	0.271	0.998	3.500	0.534
		$\beta_2$	0.008	1.207	0.024	0.933	0.586	0.002
		$\beta_3$	0.000	-0.419	0.000	0.946	0.017	0.007
	High	$\gamma_0$	0.028	-1.242	0.027	0.985	0.791	0.030
		$\beta_1$	-0.107	-38.054	0.418	0.988	4.268	0.630
		$\beta_2$	0.012	1.869	0.027	0.932	0.613	0.005
		$\beta_3$	0.000	-0.471	0.000	0.946	0.020	0.020
Altered Split Form	Low	$\gamma_0$	0.042	-1.832	0.018	0.990	0.701	0.001
		$\beta_1$	-0.069	-24.401	0.283	0.983	2.508	0.218
		$\beta_2$	0.008	1.272	0.024	0.933	0.585	0.000
		$\beta_3$	0.000	-0.949	0.000	0.944	0.017	0.001
	Medium	$\gamma_0$	0.040	-1.760	0.018	0.988	0.704	0.007
		$\beta_1$	-0.117	-41.573	0.277	0.990	3.385	0.508
		$\beta_2$	0.008	1.286	0.024	0.931	0.585	0.002
		$\beta_3$	0.000	-0.986	0.000	0.945	0.017	0.005
	High	$\gamma_0$	0.036	-1.592	0.021	0.989	0.742	0.022
		$\beta_1$	-0.158	-56.111	0.394	0.992	4.336	0.662
		$\beta_2$	0.012	1.809	0.026	0.934	0.601	0.006
		$\beta_3$	0.000	-1.487	0.000	0.941	0.018	0.021
Wave Missingness	Low	$\gamma_0$	0.040	-1.765	0.018	0.988	0.703	0.005
		$\beta_1$	-0.094	-33.425	0.238	0.993	2.995	0.433
		$\beta_2$	0.008	1.251	0.024	0.934	0.585	0.001
		$\beta_3$	0.000	-0.875	0.000	0.943	0.017	0.002
	Medium	$\gamma_0$	0.028	-1.223	0.018	0.995	0.744	0.051
		$\beta_1$	-0.088	-31.121	0.240	0.992	3.497	0.718
		$\beta_2$	0.009	1.436	0.024	0.933	0.588	0.006
		$\beta_3$	0.000	-1.326	0.000	0.946	0.017	0.025
	High	$\gamma_0$	-0.004	0.194	0.020	0.995	0.962	0.224
		$\beta_1$	-0.080	-28.263	0.234	0.985	3.791	0.886
		$\beta_2$	0.011	1.700	0.024	0.938	0.607	0.032
		$\beta_3$	0.000	-3.304	0.000	0.970	0.020	0.148

Table 2

Table 2: Increased Sample Size Results (N = 120)

Design	Level	Parameter	Bias	Pct Bias	MSE	Coverage	CI Length	FMI
Split Form	Low	$\gamma_0$	0.013	-0.577	0.008	0.985	0.424	0.001
		$\beta_1$	-0.041	-14.633	0.134	0.975	1.690	0.183
		$\beta_2$	0.006	0.867	0.007	0.944	0.319	0.000
		$\beta_3$	0.000	-0.868	0.000	0.954	0.012	0.000
	Medium	$\gamma_0$	0.012	-0.544	0.008	0.985	0.429	0.009
		$\beta_1$	-0.073	-25.973	0.148	0.991	2.366	0.449
		$\beta_2$	0.006	0.875	0.007	0.944	0.320	0.002
		$\beta_3$	0.000	-0.832	0.000	0.953	0.012	0.002
	High	$\gamma_0$	0.004	-0.179	0.011	0.973	0.465	0.025
		$\beta_1$	-0.145	-51.616	0.304	0.983	3.281	0.649
		$\beta_2$	0.007	1.136	0.008	0.939	0.332	0.005
		$\beta_3$	0.000	0.243	0.000	0.944	0.013	0.010
Altered Split Form	Low	$\gamma_0$	0.013	-0.576	0.008	0.984	0.425	0.002
		$\beta_1$	-0.032	-11.186	0.129	0.980	1.677	0.173
		$\beta_2$	0.006	0.875	0.007	0.944	0.319	0.000
		$\beta_3$	0.000	-0.883	0.000	0.952	0.012	0.000
	Medium	$\gamma_0$	0.013	-0.553	0.008	0.983	0.426	0.005
		$\beta_1$	-0.058	-20.672	0.145	0.996	2.250	0.414
		$\beta_2$	0.006	0.879	0.007	0.944	0.319	0.001
		$\beta_3$	0.000	-0.917	0.000	0.951	0.012	0.002
	High	$\gamma_0$	0.011	-0.465	0.008	0.986	0.434	0.017
		$\beta_1$	-0.112	-39.796	0.228	0.994	3.245	0.691
		$\beta_2$	0.006	0.886	0.007	0.940	0.321	0.004
		$\beta_3$	0.000	-1.054	0.000	0.952	0.012	0.009
Wave Missingness	Low	$\gamma_0$	0.013	-0.575	0.008	0.985	0.426	0.004
		$\beta_1$	-0.064	-22.793	0.137	0.987	2.064	0.342
		$\beta_2$	0.005	0.832	0.007	0.944	0.319	0.001
		$\beta_3$	0.000	-0.906	0.000	0.952	0.012	0.001
	Medium	$\gamma_0$	0.010	-0.453	0.008	0.984	0.435	0.023
		$\beta_1$	-0.082	-29.029	0.184	0.994	2.979	0.630
		$\beta_2$	0.006	0.890	0.007	0.943	0.320	0.004
		$\beta_3$	0.000	-0.959	0.000	0.954	0.012	0.008
	High	$\gamma_0$	-0.010	0.428	0.010	0.988	0.554	0.179
		$\beta_1$	-0.059	-21.087	0.297	0.970	3.760	0.859
		$\beta_2$	0.008	1.204	0.007	0.952	0.334	0.040
		$\beta_3$	0.000	-2.426	0.000	0.955	0.014	0.105

Table 3

Table 3: High Time Results (N = 60)

Design	Level	Parameter	Bias	Pct Bias	MSE	Coverage	CI Length	FMI
Split Form	Low	$\gamma_0$	-0.023	0.498	0.120	0.968	1.414	0.018
		$\beta_1$	0.604	429.053	0.669	0.973	4.812	0.271
		$\beta_2$	0.010	3.263	0.048	0.955	0.827	0.003
		$\beta_3$	0.000	-2.671	0.000	0.945	0.039	0.004
	Medium	$\gamma_0$	-0.048	1.060	0.128	0.972	1.506	0.059
		$\beta_1$	0.724	513.940	0.898	0.988	5.933	0.499
		$\beta_2$	0.025	7.927	0.047	0.958	0.834	0.013
		$\beta_3$	0.000	-2.867	0.000	0.938	0.039	0.017
	High	$\gamma_0$	-0.178	3.882	0.370	0.984	2.050	0.132
		$\beta_1$	0.997	708.287	1.573	0.955	6.822	0.610
		$\beta_2$	0.044	13.650	0.060	0.965	0.966	0.036
		$\beta_3$	0.000	-0.787	0.000	0.955	0.048	0.060
Altered Split Form	Low	$\gamma_0$	-0.019	0.415	0.119	0.966	1.401	0.011
		$\beta_1$	0.603	428.601	0.638	0.966	4.616	0.239
		$\beta_2$	0.014	4.254	0.048	0.956	0.827	0.002
		$\beta_3$	0.000	-3.004	0.000	0.944	0.039	0.003
	Medium	$\gamma_0$	-0.045	0.988	0.124	0.978	1.493	0.053
		$\beta_1$	0.728	517.389	0.879	0.974	5.976	0.504
		$\beta_2$	0.024	7.437	0.051	0.954	0.838	0.011
		$\beta_3$	-0.001	-4.550	0.000	0.946	0.039	0.018
	High	$\gamma_0$	-0.117	2.557	0.196	0.984	1.759	0.112
		$\beta_1$	0.876	622.327	1.305	0.968	6.913	0.650
		$\beta_2$	0.026	8.265	0.051	0.963	0.892	0.034
		$\beta_3$	-0.001	-5.340	0.000	0.949	0.043	0.055
Wave Missingness	Low	$\gamma_0$	-0.057	1.249	0.127	0.968	1.454	0.038
		$\beta_1$	0.853	606.148	1.003	0.974	5.629	0.510
		$\beta_2$	0.006	1.804	0.046	0.959	0.831	0.006
		$\beta_3$	0.000	-3.051	0.000	0.945	0.039	0.011
	Medium	$\gamma_0$	-0.182	3.981	0.166	0.979	1.813	0.183
		$\beta_1$	0.979	695.352	1.325	0.967	6.758	0.782
		$\beta_2$	0.020	6.425	0.050	0.956	0.871	0.037
		$\beta_3$	-0.001	-4.466	0.000	0.955	0.042	0.068
	High	$\gamma_0$	-0.403	8.803	0.345	0.987	2.789	0.440
		$\beta_1$	1.050	745.735	1.504	0.951	7.357	0.887
		$\beta_2$	0.019	5.848	0.050	0.973	0.960	0.099
		$\beta_3$	-0.003	-18.904	0.000	0.975	0.052	0.200

Table 4

Table 4: Low Inter-Survey Correlation Results (N = 60)

Design	Level	Parameter	Bias	Pct Bias	MSE	Coverage	CI Length	FMI
Split Form	Low	$\gamma_0$	0.042	-1.856	0.018	0.990	0.702	0.002
		$\beta_1$	-0.067	-23.958	0.265	0.981	2.537	0.230
		$\beta_2$	0.007	1.122	0.024	0.938	0.585	0.000
		$\beta_3$	0.000	-1.108	0.000	0.940	0.017	0.001
	Medium	$\gamma_0$	0.041	-1.774	0.018	0.992	0.708	0.010
		$\beta_1$	-0.103	-36.645	0.281	0.991	3.492	0.535
		$\beta_2$	0.008	1.183	0.024	0.934	0.586	0.002
		$\beta_3$	0.000	-1.031	0.000	0.939	0.017	0.006
	High	$\gamma_0$	0.034	-1.488	0.026	0.990	0.794	0.030
		$\beta_1$	-0.148	-52.475	0.425	0.991	4.285	0.621
		$\beta_2$	0.011	1.791	0.028	0.935	0.613	0.005
		$\beta_3$	0.000	-0.870	0.000	0.941	0.020	0.020
Altered Split Form	Low	$\gamma_0$	0.043	-1.874	0.018	0.989	0.701	0.001
		$\beta_1$	-0.066	-23.566	0.258	0.984	2.535	0.224
		$\beta_2$	0.007	1.116	0.024	0.935	0.585	0.000
		$\beta_3$	0.000	-1.202	0.000	0.939	0.017	0.001
	Medium	$\gamma_0$	0.041	-1.782	0.018	0.988	0.706	0.009
		$\beta_1$	-0.096	-33.989	0.262	0.991	3.394	0.511
		$\beta_2$	0.008	1.226	0.024	0.934	0.585	0.002
		$\beta_3$	0.000	-1.150	0.000	0.940	0.017	0.005
	High	$\gamma_0$	0.036	-1.573	0.020	0.986	0.738	0.023
		$\beta_1$	-0.174	-61.685	0.380	0.991	4.350	0.669
		$\beta_2$	0.010	1.639	0.025	0.937	0.598	0.005
		$\beta_3$	0.000	-0.961	0.000	0.949	0.018	0.024
Wave Missingness	Low	$\gamma_0$	0.041	-1.790	0.018	0.989	0.703	0.005
		$\beta_1$	-0.084	-29.806	0.242	0.994	2.967	0.423
		$\beta_2$	0.007	1.141	0.024	0.936	0.585	0.001
		$\beta_3$	0.000	-1.100	0.000	0.940	0.017	0.002
	Medium	$\gamma_0$	0.031	-1.347	0.018	0.992	0.739	0.046
		$\beta_1$	-0.112	-39.818	0.246	0.988	3.491	0.722
		$\beta_2$	0.008	1.269	0.024	0.936	0.588	0.005
		$\beta_3$	0.000	-1.499	0.000	0.944	0.017	0.024
	High	$\gamma_0$	-0.003	0.133	0.022	0.996	0.985	0.237
		$\beta_1$	-0.094	-33.488	0.233	0.988	3.875	0.887
		$\beta_2$	0.010	1.616	0.025	0.941	0.608	0.033
		$\beta_3$	-0.001	-3.529	0.000	0.964	0.021	0.160