oracle_test

beta : 0.5 1.5 2 0 0 0 0 0 intercept : 0

sample size : 100

simulation time : 100

loss_rate: 0.625

average sample size for full data: 100

average sample size for complete data: 62.23

average sample size for logistic data: 1917

error_independent: FALSE

missing_method: xy

missing_location: 1

file_name: ./data/beta_0.5_2_n_100_intercept_0_error_independent_FALSE.Rdata

the estimation mean is

	(intercept)	x1	x2	x3
FULL	0.0026	0.4890	1.4841	2.0060
COMPLETE	0.1255	0.4811	1.4182	1.9106
PROPOSED	0.0000	0.5331	1.6639	2.2223

the estimation sd is

	(intercept)	x1	x2	x3
FULL	0.0966	0.1248	0.1402	0.1231
COMPLETE	0.1690	0.1947	0.1601	0.1713
PROPOSED	0.0000	0.2755	0.4676	0.5870

the bias mean is

	(intercept)	x1	x2	x3
FULL	0.0026	-0.0110	-0.0159	0.0060
COMPLETE	0.1255	-0.0189	-0.0818	-0.0894
PROPOSED	0.0000	0.0331	0.1639	0.2223

the bias sd is

	(intercept)	x1	x2	x3
FULL	0.0966	0.1248	0.1402	0.1231
COMPLETE	0.1690	0.1947	0.1601	0.1713
PROPOSED	0.0000	0.2755	0.4676	0.5870

beta : 0.5 1.5 2 0 0 0 0 0 intercept : 0

sample size : 100

simulation time : 100

loss_rate: 0.625

average sample size for full data: 100

average sample size for complete data: 62.82

average sample size for logistic data: 1950.62

error_independent: TRUE

missing_method: xy

missing_location: 1

file_name: ./data/beta_0.5_2_n_100_intercept_0_error_independent_TRUE.Rdata

the estimation mean is

	(intercept)	x1	x2	x3
FULL	0.0013	0.5129	1.5050	2.0100
COMPLETE	0.1671	0.4888	1.3795	1.8699
PROPOSED	0.0000	0.5771	1.6526	2.2364

the estimation sd is

	(intercept)	x1	x2	x3
FULL	0.0953	0.1133	0.1116	0.0973
COMPLETE	0.1436	0.1607	0.1370	0.1502
PROPOSED	0.0000	0.2515	0.3827	0.5175

the bias mean is

	(intercept)	x1	x2	x3
FULL	0.0013	0.0129	0.0050	0.0100
COMPLETE	0.1671	-0.0112	-0.1205	-0.1301
PROPOSED	0.0000	0.0771	0.1526	0.2364

the bias sd is

	(intercept)	x1	x2	x3
FULL	0.0953	0.1133	0.1116	0.0973
COMPLETE	0.1436	0.1607	0.1370	0.1502
PROPOSED	0.0000	0.2515	0.3827	0.5175

beta : 0.5 1.5 2 0 0 0 0 0 intercept : 10

sample size : 100

simulation time : 100

loss_rate: 0.625

average sample size for full data: 100

average sample size for complete data: 62.23

average sample size for logistic data: 1917

error_independent: FALSE

missing_method: xy

missing_location: 1

file_name: ./data/beta_0.5_2_n_100_intercept_10_error_independent_FALSE.Rdata

the estimation mean is

	(intercept)	x1	x2	x3
FULL	10.0026	0.4890	1.4841	2.0060
COMPLETE	10.1255	0.4811	1.4182	1.9106
PROPOSED	0.0000	0.5331	1.6639	2.2223

the estimation sd is

	(intercept)	x1	x2	x3
FULL	0.0966	0.1248	0.1402	0.1231
COMPLETE	0.1690	0.1947	0.1601	0.1713
PROPOSED	0.0000	0.2755	0.4676	0.5870

the bias mean is

	(intercept)	x1	x2	x3
FULL	0.0026	-0.0110	-0.0159	0.0060
COMPLETE	0.1255	-0.0189	-0.0818	-0.0894
PROPOSED	-10.0000	0.0331	0.1639	0.2223

the bias sd is

	(intercept)	x1	x2	x3
FULL	0.0966	0.1248	0.1402	0.1231
COMPLETE	0.1690	0.1947	0.1601	0.1713
PROPOSED	0.0000	0.2755	0.4676	0.5870

beta : 0.5 1.5 2 0 0 0 0 0 intercept : 10

sample size : 100

simulation time : 100

loss_rate: 0.625

average sample size for full data: 100

average sample size for complete data: 62.82

average sample size for logistic data: 1950.62

error_independent: TRUE

missing_method: xy

missing_location: 1

file_name: ./data/beta_0.5_2_n_100_intercept_10_error_independent_TRUE.Rdata

the estimation mean is

	(intercept)	x1	x2	x3
FULL	10.0013	0.5129	1.5050	2.0100
COMPLETE	10.1671	0.4888	1.3795	1.8699
PROPOSED	0.0000	0.5771	1.6526	2.2364

the estimation sd is

	(intercept)	x1	x2	x3
FULL	0.0953	0.1133	0.1116	0.0973
COMPLETE	0.1436	0.1607	0.1370	0.1502
PROPOSED	0.0000	0.2515	0.3827	0.5175

the bias mean is

	(intercept)	x1	x2	x3
FULL	0.0013	0.0129	0.0050	0.0100
COMPLETE	0.1671	-0.0112	-0.1205	-0.1301
PROPOSED	-10.0000	0.0771	0.1526	0.2364

the bias sd is

	(intercept)	x1	x2	x3
FULL	0.0953	0.1133	0.1116	0.0973
COMPLETE	0.1436	0.1607	0.1370	0.1502
PROPOSED	0.0000	0.2515	0.3827	0.5175

beta : 0.5 1.5 2 0 0 0 0 0 intercept : 5

sample size : 100

simulation time : 100

loss_rate: 0.625

average sample size for full data: 100

average sample size for complete data: 62.23

average sample size for logistic data: 1917

error_independent: FALSE

missing_method: xy

missing_location: 1

file_name: ./data/beta_0.5_2_n_100_intercept_5_error_independent_FALSE.Rdata

the estimation mean is

	(intercept)	x1	x2	x3
FULL	5.0026	0.4890	1.4841	2.0060
COMPLETE	5.1255	0.4811	1.4182	1.9106
PROPOSED	0.0000	0.5331	1.6639	2.2223

the estimation sd is

	(intercept)	x1	x2	x3
FULL	0.0966	0.1248	0.1402	0.1231
COMPLETE	0.1690	0.1947	0.1601	0.1713
PROPOSED	0.0000	0.2755	0.4676	0.5870

the bias mean is

	(intercept)	x1	x2	x3
FULL	0.0026	-0.0110	-0.0159	0.0060
COMPLETE	0.1255	-0.0189	-0.0818	-0.0894
PROPOSED	-5.0000	0.0331	0.1639	0.2223

the bias sd is

	(intercept)	x1	x2	x3
FULL	0.0966	0.1248	0.1402	0.1231
COMPLETE	0.1690	0.1947	0.1601	0.1713
PROPOSED	0.0000	0.2755	0.4676	0.5870

beta : 0.5 1.5 2 0 0 0 0 0 intercept : 5

sample size : 100

simulation time : 100

loss_rate: 0.625

average sample size for full data: 100

average sample size for complete data: 62.82

average sample size for logistic data: 1950.62

error_independent: TRUE

missing_method: xy

missing_location: 1

file_name: ./data/beta_0.5_2_n_100_intercept_5_error_independent_TRUE.Rdata

the estimation mean is

	(intercept)	x1	x2	x3
FULL	5.0013	0.5129	1.5050	2.0100
COMPLETE	5.1671	0.4888	1.3795	1.8699
PROPOSED	0.0000	0.5771	1.6526	2.2364

the estimation sd is

	(intercept)	x1	x2	x3
FULL	0.0953	0.1133	0.1116	0.0973
COMPLETE	0.1436	0.1607	0.1370	0.1502
PROPOSED	0.0000	0.2515	0.3827	0.5175

the bias mean is

	(intercept)	x1	x2	x3
FULL	0.0013	0.0129	0.0050	0.0100
COMPLETE	0.1671	-0.0112	-0.1205	-0.1301
PROPOSED	-5.0000	0.0771	0.1526	0.2364

the bias sd is

	(intercept)	x1	x2	x3
FULL	0.0953	0.1133	0.1116	0.0973
COMPLETE	0.1436	0.1607	0.1370	0.1502
PROPOSED	0.0000	0.2515	0.3827	0.5175

beta : 0.5 1.5 2 0 0 0 0 0 intercept : 0

sample size : 1000

simulation time : 100

loss_rate: 0.625

average sample size for full data: 1000

average sample size for complete data: 626.77

average sample size for logistic data: 196192.3

error_independent: FALSE

missing_method: xy

missing_location: 1

file_name: ./data/beta_0.5_2_n_1000_intercept_0_error_independent_FALSE.Rdata

the estimation mean is

	(intercept)	x1	x2	x3
FULL	0.0052	0.4965	1.4990	1.9999
COMPLETE	0.1260	0.4886	1.4359	1.9167
PROPOSED	0.0000	0.4986	1.5003	2.0038

the estimation sd is

	(intercept)	x1	x2	x3
FULL	0.0289	0.0363	0.0393	0.0356
COMPLETE	0.0457	0.0569	0.0596	0.0458
PROPOSED	0.0000	0.0655	0.1022	0.1310

the bias mean is

	(intercept)	x1	x2	x3
FULL	0.0052	-0.0035	-0.0010	-0.0001
COMPLETE	0.1260	-0.0114	-0.0641	-0.0833
PROPOSED	0.0000	-0.0014	0.0003	0.0038

the bias sd is

	(intercept)	x1	x2	x3
FULL	0.0289	0.0363	0.0393	0.0356
COMPLETE	0.0457	0.0569	0.0596	0.0458
PROPOSED	0.0000	0.0655	0.1022	0.1310

beta : 0.5 1.5 2 0 0 0 0 0 intercept : 0

sample size : 1000

simulation time : 100

loss_rate: 0.625

average sample size for full data: 1000

average sample size for complete data: 623.19

average sample size for logistic data: 193984

error_independent: TRUE

missing_method: xy

missing_location: 1

file_name: ./data/beta_0.5_2_n_1000_intercept_0_error_independent_TRUE.Rdata

the estimation mean is

	(intercept)	x1	x2	x3
FULL	0.0052	0.4955	1.4937	2.0013
COMPLETE	0.1796	0.4633	1.3786	1.8495
PROPOSED	0.0000	0.5038	1.5107	2.0263

the estimation sd is

	(intercept)	x1	x2	x3
FULL	0.0290	0.0299	0.0319	0.0339
COMPLETE	0.0491	0.0574	0.0427	0.0526
PROPOSED	0.0000	0.0724	0.1107	0.1342

the bias mean is

	(intercept)	x1	x2	x3
FULL	0.0052	-0.0045	-0.0063	0.0013
COMPLETE	0.1796	-0.0367	-0.1214	-0.1505
PROPOSED	0.0000	0.0038	0.0107	0.0263

the bias sd is

	(intercept)	x1	x2	x3
FULL	0.0290	0.0299	0.0319	0.0339
COMPLETE	0.0491	0.0574	0.0427	0.0526
PROPOSED	0.0000	0.0724	0.1107	0.1342

beta : 0.5 1.5 2 0 0 0 0 0 intercept : 0

sample size : 500

simulation time : 100

loss_rate: 0.625

average sample size for full data: 500

average sample size for complete data: 312.45

average sample size for logistic data: 48704.19

error_independent: FALSE

missing_method: xy

missing_location: 1

file_name: ./data/beta_0.5_2_n_500_intercept_0_error_independent_FALSE.Rdata

the estimation mean is

	(intercept)	x1	x2	x3
FULL	-0.0057	0.4938	1.5002	1.9992
COMPLETE	0.1219	0.4719	1.4438	1.9149
PROPOSED	0.0000	0.4871	1.5079	2.0078

the estimation sd is

	(intercept)	x1	x2	x3
FULL	0.0398	0.0617	0.0571	0.0575
COMPLETE	0.0702	0.0786	0.0802	0.0755
PROPOSED	0.0000	0.0962	0.1593	0.1935

the bias mean is

	(intercept)	x1	x2	x3
FULL	-0.0057	-0.0062	0.0002	-0.0008
COMPLETE	0.1219	-0.0281	-0.0562	-0.0851
PROPOSED	0.0000	-0.0129	0.0079	0.0078

the bias sd is

	(intercept)	x1	x2	x3
FULL	0.0398	0.0617	0.0571	0.0575
COMPLETE	0.0702	0.0786	0.0802	0.0755
PROPOSED	0.0000	0.0962	0.1593	0.1935

beta : 0.5 1.5 2 0 0 0 0 0 intercept : 0

sample size : 500

simulation time : 100

loss_rate: 0.625

average sample size for full data: 500

average sample size for complete data: 312.37

average sample size for logistic data: 48690.93

error_independent: TRUE

missing_method: xy

missing_location: 1

file_name: ./data/beta_0.5_2_n_500_intercept_0_error_independent_TRUE.Rdata

the estimation mean is

	(intercept)	x1	x2	x3
FULL	-0.0055	0.5019	1.5019	2.0003
COMPLETE	0.1703	0.4652	1.3860	1.8545
PROPOSED	0.0000	0.5034	1.5076	2.0138

the estimation sd is

	(intercept)	x1	x2	x3
FULL	0.0392	0.0477	0.0473	0.0404
COMPLETE	0.0617	0.0730	0.0621	0.0702
PROPOSED	0.0000	0.0955	0.1349	0.1845

the bias mean is

	(intercept)	x1	x2	x3
FULL	-0.0055	0.0019	0.0019	0.0003
COMPLETE	0.1703	-0.0348	-0.1140	-0.1455
PROPOSED	0.0000	0.0034	0.0076	0.0138

the bias sd is

	(intercept)	x1	x2	x3
FULL	0.0392	0.0477	0.0473	0.0404
COMPLETE	0.0617	0.0730	0.0621	0.0702
PROPOSED	0.0000	0.0955	0.1349	0.1845

beta : 1.5 2 3 0 0 0 0 0 intercept : 0

sample size : 100

simulation time : 100

loss_rate: 0.625

average sample size for full data: 100

average sample size for complete data: 62.29

average sample size for logistic data: 1920.04

error_independent: FALSE

missing_method: xy

missing_location: 1

file_name: ./data/beta_1.5_3_n_100_intercept_0_error_independent_FALSE.Rdata

the estimation mean is

	(intercept)	x1	x2	x3
FULL	0.0026	1.4890	1.9841	3.0060
COMPLETE	0.0803	1.4729	1.9473	2.9428
PROPOSED	0.0000	1.6506	2.2193	3.3474

the estimation sd is

	(intercept)	x1	x2	x3
FULL	0.0966	0.1248	0.1402	0.1231
COMPLETE	0.1670	0.1903	0.1705	0.1690
PROPOSED	0.0000	0.4506	0.6208	0.8723

the bias mean is

	(intercept)	x1	x2	x3
FULL	0.0026	-0.0110	-0.0159	0.0060
COMPLETE	0.0803	-0.0271	-0.0527	-0.0572
PROPOSED	0.0000	0.1506	0.2193	0.3474

the bias sd is

	(intercept)	x1	x2	x3
FULL	0.0966	0.1248	0.1402	0.1231
COMPLETE	0.1670	0.1903	0.1705	0.1690
PROPOSED	0.0000	0.4506	0.6208	0.8723

beta : 1.5 2 3 0 0 0 0 0 intercept : 0

sample size : 100

simulation time : 100

loss_rate: 0.625

average sample size for full data: 100

average sample size for complete data: 62.96

average sample size for logistic data: 1959.95

error_independent: TRUE

missing_method: xy

missing_location: 1

file_name: ./data/beta_1.5_3_n_100_intercept_0_error_independent_TRUE.Rdata

the estimation mean is

	(intercept)	x1	x2	x3
FULL	0.0013	1.5129	2.0050	3.0100
COMPLETE	0.0946	1.4864	1.9373	2.9228
PROPOSED	0.0000	1.6889	2.2096	3.3397

the estimation sd is

	(intercept)	x1	x2	x3
FULL	0.0953	0.1133	0.1116	0.0973
COMPLETE	0.1511	0.1650	0.1333	0.1429
PROPOSED	0.0000	0.4558	0.4942	0.7798

the bias mean is

	(intercept)	x1	x2	x3
FULL	0.0013	0.0129	0.0050	0.0100
COMPLETE	0.0946	-0.0136	-0.0627	-0.0772
PROPOSED	0.0000	0.1889	0.2096	0.3397

the bias sd is

	(intercept)	x1	x2	x3
FULL	0.0953	0.1133	0.1116	0.0973
COMPLETE	0.1511	0.1650	0.1333	0.1429
PROPOSED	0.0000	0.4558	0.4942	0.7798

beta : 1.5 2 3 0 0 0 0 0 intercept : 10

sample size : 100

simulation time : 100

loss_rate: 0.625

average sample size for full data: 100

average sample size for complete data: 62.29

average sample size for logistic data: 1920.04

error_independent: FALSE

missing_method: xy

missing_location: 1

file_name: ./data/beta_1.5_3_n_100_intercept_10_error_independent_FALSE.Rdata

the estimation mean is

	(intercept)	x1	x2	x3
FULL	10.0026	1.4890	1.9841	3.0060
COMPLETE	10.0803	1.4729	1.9473	2.9428
PROPOSED	0.0000	1.6506	2.2193	3.3474

the estimation sd is

	(intercept)	x1	x2	x3
FULL	0.0966	0.1248	0.1402	0.1231
COMPLETE	0.1670	0.1903	0.1705	0.1690
PROPOSED	0.0000	0.4506	0.6208	0.8723

the bias mean is

	(intercept)	x1	x2	x3
FULL	0.0026	-0.0110	-0.0159	0.0060
COMPLETE	0.0803	-0.0271	-0.0527	-0.0572
PROPOSED	-10.0000	0.1506	0.2193	0.3474

the bias sd is

	(intercept)	x1	x2	x3
FULL	0.0966	0.1248	0.1402	0.1231
COMPLETE	0.1670	0.1903	0.1705	0.1690
PROPOSED	0.0000	0.4506	0.6208	0.8723

beta : 1.5 2 3 0 0 0 0 0 intercept : 10

sample size : 100

simulation time : 100

loss_rate: 0.625

average sample size for full data: 100

average sample size for complete data: 62.96

average sample size for logistic data: 1959.95

error_independent: TRUE

missing_method: xy

missing_location: 1

file_name: ./data/beta_1.5_3_n_100_intercept_10_error_independent_TRUE.Rdata

the estimation mean is

	(intercept)	x1	x2	x3
FULL	10.0013	1.5129	2.0050	3.0100
COMPLETE	10.0946	1.4864	1.9373	2.9228
PROPOSED	0.0000	1.6889	2.2096	3.3397

the estimation sd is

	(intercept)	x1	x2	x3
FULL	0.0953	0.1133	0.1116	0.0973
COMPLETE	0.1511	0.1650	0.1333	0.1429
PROPOSED	0.0000	0.4558	0.4942	0.7798

the bias mean is

	(intercept)	x1	x2	x3
FULL	0.0013	0.0129	0.0050	0.0100
COMPLETE	0.0946	-0.0136	-0.0627	-0.0772
PROPOSED	-10.0000	0.1889	0.2096	0.3397

the bias sd is

	(intercept)	x1	x2	x3
FULL	0.0953	0.1133	0.1116	0.0973
COMPLETE	0.1511	0.1650	0.1333	0.1429
PROPOSED	0.0000	0.4558	0.4942	0.7798

beta : 1.5 2 3 0 0 0 0 0 intercept : 5

sample size : 100

simulation time : 100

loss_rate: 0.625

average sample size for full data: 100

average sample size for complete data: 62.29

average sample size for logistic data: 1920.04

error_independent: FALSE

missing_method: xy

missing_location: 1

file_name: ./data/beta_1.5_3_n_100_intercept_5_error_independent_FALSE.Rdata

the estimation mean is

	(intercept)	x1	x2	x3
FULL	5.0026	1.4890	1.9841	3.0060
COMPLETE	5.0803	1.4729	1.9473	2.9428
PROPOSED	0.0000	1.6506	2.2193	3.3474

the estimation sd is

	(intercept)	x1	x2	x3
FULL	0.0966	0.1248	0.1402	0.1231
COMPLETE	0.1670	0.1903	0.1705	0.1690
PROPOSED	0.0000	0.4506	0.6208	0.8723

the bias mean is

	(intercept)	x1	x2	x3
FULL	0.0026	-0.0110	-0.0159	0.0060
COMPLETE	0.0803	-0.0271	-0.0527	-0.0572
PROPOSED	-5.0000	0.1506	0.2193	0.3474

the bias sd is

	(intercept)	x1	x2	x3
FULL	0.0966	0.1248	0.1402	0.1231
COMPLETE	0.1670	0.1903	0.1705	0.1690
PROPOSED	0.0000	0.4506	0.6208	0.8723

beta : 1.5 2 3 0 0 0 0 0 intercept : 5

sample size : 100

simulation time : 100

loss_rate: 0.625

average sample size for full data: 100

average sample size for complete data: 62.96

average sample size for logistic data: 1959.95

error_independent: TRUE

missing_method: xy

missing_location: 1

file_name: ./data/beta_1.5_3_n_100_intercept_5_error_independent_TRUE.Rdata

the estimation mean is

	(intercept)	x1	x2	x3
FULL	5.0013	1.5129	2.0050	3.0100
COMPLETE	5.0946	1.4864	1.9373	2.9228
PROPOSED	0.0000	1.6889	2.2096	3.3397

the estimation sd is

	(intercept)	x1	x2	x3
FULL	0.0953	0.1133	0.1116	0.0973
COMPLETE	0.1511	0.1650	0.1333	0.1429
PROPOSED	0.0000	0.4558	0.4942	0.7798

the bias mean is

	(intercept)	x1	x2	x3
FULL	0.0013	0.0129	0.0050	0.0100
COMPLETE	0.0946	-0.0136	-0.0627	-0.0772
PROPOSED	-5.0000	0.1889	0.2096	0.3397

the bias sd is

	(intercept)	x1	x2	x3
FULL	0.0953	0.1133	0.1116	0.0973
COMPLETE	0.1511	0.1650	0.1333	0.1429
PROPOSED	0.0000	0.4558	0.4942	0.7798

beta : 1.5 2 3 0 0 0 0 0 intercept : 0

sample size : 1000

simulation time : 100

loss_rate: 0.625

average sample size for full data: 1000

average sample size for complete data: 627.08

average sample size for logistic data: 196397.1

error_independent: FALSE

missing_method: xy

missing_location: 1

file_name: ./data/beta_1.5_3_n_1000_intercept_0_error_independent_FALSE.Rdata

the estimation mean is

	(intercept)	x1	x2	x3
FULL	0.0052	1.4965	1.9990	2.9999
COMPLETE	0.0742	1.4870	1.9662	2.9493
PROPOSED	0.0000	1.5020	2.0030	3.0053

the estimation sd is

	(intercept)	x1	x2	x3
FULL	0.0289	0.0363	0.0393	0.0356
COMPLETE	0.0472	0.0538	0.0575	0.0445
PROPOSED	0.0000	0.1023	0.1281	0.1873

the bias mean is

	(intercept)	x1	x2	x3
FULL	0.0052	-0.0035	-0.0010	-0.0001
COMPLETE	0.0742	-0.0130	-0.0338	-0.0507
PROPOSED	0.0000	0.0020	0.0030	0.0053

the bias sd is

	(intercept)	x1	x2	x3
FULL	0.0289	0.0363	0.0393	0.0356
COMPLETE	0.0472	0.0538	0.0575	0.0445
PROPOSED	0.0000	0.1023	0.1281	0.1873

beta : 1.5 2 3 0 0 0 0 0 intercept : 0

sample size : 1000

simulation time : 100

loss_rate: 0.625

average sample size for full data: 1000

average sample size for complete data: 623.49

average sample size for logistic data: 194169

error_independent: TRUE

missing_method: xy

missing_location: 1

file_name: ./data/beta_1.5_3_n_1000_intercept_0_error_independent_TRUE.Rdata

the estimation mean is

	(intercept)	x1	x2	x3
FULL	0.0052	1.4955	1.9937	3.0013
COMPLETE	0.1181	1.4554	1.9239	2.9028
PROPOSED	0.0000	1.5153	2.0135	3.0376

the estimation sd is

	(intercept)	x1	x2	x3
FULL	0.029	0.0299	0.0319	0.0339
COMPLETE	0.054	0.0619	0.0421	0.0519
PROPOSED	0.000	0.1165	0.1362	0.1909

the bias mean is

	(intercept)	x1	x2	x3
FULL	0.0052	-0.0045	-0.0063	0.0013
COMPLETE	0.1181	-0.0446	-0.0761	-0.0972
PROPOSED	0.0000	0.0153	0.0135	0.0376

the bias sd is

	(intercept)	x1	x2	x3
FULL	0.029	0.0299	0.0319	0.0339
COMPLETE	0.054	0.0619	0.0421	0.0519
PROPOSED	0.000	0.1165	0.1362	0.1909

beta : 1.5 2 3 0 0 0 0 0 intercept : 0

sample size : 500

simulation time : 100

loss_rate: 0.625

average sample size for full data: 500

average sample size for complete data: 312.98

average sample size for logistic data: 48875.39

error_independent: FALSE

missing_method: xy

missing_location: 1

file_name: ./data/beta_1.5_3_n_500_intercept_0_error_independent_FALSE.Rdata

the estimation mean is

	(intercept)	x1	x2	x3
FULL	-0.0057	1.4938	2.0002	2.9992
COMPLETE	0.0685	1.4695	1.9712	2.9511
PROPOSED	0.0000	1.4910	1.9998	3.0049

the estimation sd is

	(intercept)	x1	x2	x3
FULL	0.0398	0.0617	0.0571	0.0575
COMPLETE	0.0702	0.0807	0.0802	0.0748
PROPOSED	0.0000	0.1610	0.2058	0.2901

the bias mean is

	(intercept)	x1	x2	x3
FULL	-0.0057	-0.0062	0.0002	-0.0008
COMPLETE	0.0685	-0.0305	-0.0288	-0.0489
PROPOSED	0.0000	-0.0090	-0.0002	0.0049

the bias sd is

	(intercept)	x1	x2	x3
FULL	0.0398	0.0617	0.0571	0.0575
COMPLETE	0.0702	0.0807	0.0802	0.0748
PROPOSED	0.0000	0.1610	0.2058	0.2901

beta : 1.5 2 3 0 0 0 0 0 intercept : 0

sample size : 500

simulation time : 100

loss_rate: 0.625

average sample size for full data: 500

average sample size for complete data: 313.24

average sample size for logistic data: 48963.01

error_independent: TRUE

missing_method: xy

missing_location: 1

file_name: ./data/beta_1.5_3_n_500_intercept_0_error_independent_TRUE.Rdata

the estimation mean is

	(intercept)	x1	x2	x3
FULL	-0.0055	1.5019	2.0019	3.0003
COMPLETE	0.1063	1.4579	1.9350	2.9062
PROPOSED	0.0000	1.5105	2.0098	3.0163

the estimation sd is

	(intercept)	x1	x2	x3
FULL	0.0392	0.0477	0.0473	0.0404
COMPLETE	0.0657	0.0743	0.0596	0.0702
PROPOSED	0.0000	0.1515	0.1808	0.2641

the bias mean is

	(intercept)	x1	x2	x3
FULL	-0.0055	0.0019	0.0019	0.0003
COMPLETE	0.1063	-0.0421	-0.0650	-0.0938
PROPOSED	0.0000	0.0105	0.0098	0.0163

the bias sd is

	(intercept)	x1	x2	x3
FULL	0.0392	0.0477	0.0473	0.0404
COMPLETE	0.0657	0.0743	0.0596	0.0702
PROPOSED	0.0000	0.1515	0.1808	0.2641

beta : 2 0.5 0 0 1.5 0 0 0 intercept : 0

sample size : 100

simulation time : 100

loss_rate: 0.625

average sample size for full data: 100

average sample size for complete data: 62.68

average sample size for logistic data: 1943.28

error_independent: FALSE

missing_method: xy

missing_location: 1

file_name: ./data/beta_2_0_n_100_intercept_0_error_independent_FALSE.Rdata

the estimation mean is

	(intercept)	x1	x2	x5
FULL	0.0032	1.9902	0.4896	1.4924
COMPLETE	0.0883	1.9436	0.4600	1.4259
PROPOSED	0.0000	2.1811	0.5280	1.6300

the estimation sd is

	(intercept)	x1	x2	x5
FULL	0.0973	0.1259	0.1201	0.1079
COMPLETE	0.1713	0.1934	0.1417	0.1305
PROPOSED	0.0000	0.5389	0.2232	0.3896

the bias mean is

	(intercept)	x1	x2	x5
FULL	0.0032	-0.0098	-0.0104	-0.0076
COMPLETE	0.0883	-0.0564	-0.0400	-0.0741
PROPOSED	0.0000	0.1811	0.0280	0.1300

the bias sd is

	(intercept)	x1	x2	x5
FULL	0.0973	0.1259	0.1201	0.1079
COMPLETE	0.1713	0.1934	0.1417	0.1305
PROPOSED	0.0000	0.5389	0.2232	0.3896

beta : 2 0.5 0 0 1.5 0 0 0 intercept : 0

sample size : 100

simulation time : 100

loss_rate: 0.625

average sample size for full data: 100

average sample size for complete data: 62.9

average sample size for logistic data: 1958.44

error_independent: TRUE

missing_method: xy

missing_location: 1

file_name: ./data/beta_2_0_n_100_intercept_0_error_independent_TRUE.Rdata

the estimation mean is

	(intercept)	x1	x2	x5
FULL	0.0035	2.0139	0.5072	1.5093
COMPLETE	0.0932	1.9588	0.4783	1.4312
PROPOSED	0.0000	2.2085	0.5539	1.6477

the estimation sd is

	(intercept)	x1	x2	x5
FULL	0.0953	0.1108	0.1084	0.1087
COMPLETE	0.1552	0.1850	0.1345	0.1436
PROPOSED	0.0000	0.4556	0.1912	0.3370

the bias mean is

	(intercept)	x1	x2	x5
FULL	0.0035	0.0139	0.0072	0.0093
COMPLETE	0.0932	-0.0412	-0.0217	-0.0688
PROPOSED	0.0000	0.2085	0.0539	0.1477

the bias sd is

	(intercept)	x1	x2	x5
FULL	0.0953	0.1108	0.1084	0.1087
COMPLETE	0.1552	0.1850	0.1345	0.1436
PROPOSED	0.0000	0.4556	0.1912	0.3370

beta : 2 0.5 0 0 1.5 0 0 0 intercept : 10

sample size : 100

simulation time : 100

loss_rate: 0.625

average sample size for full data: 100

average sample size for complete data: 62.68

average sample size for logistic data: 1943.28

error_independent: FALSE

missing_method: xy

missing_location: 1

file_name: ./data/beta_2_0_n_100_intercept_10_error_independent_FALSE.Rdata

the estimation mean is

	(intercept)	x1	x2	x5
FULL	10.0032	1.9902	0.4896	1.4924
COMPLETE	10.0883	1.9436	0.4600	1.4259
PROPOSED	0.0000	2.1811	0.5280	1.6300

the estimation sd is

	(intercept)	x1	x2	x5
FULL	0.0973	0.1259	0.1201	0.1079
COMPLETE	0.1713	0.1934	0.1417	0.1305
PROPOSED	0.0000	0.5389	0.2232	0.3896

the bias mean is

	(intercept)	x1	x2	x5
FULL	0.0032	-0.0098	-0.0104	-0.0076
COMPLETE	0.0883	-0.0564	-0.0400	-0.0741
PROPOSED	-10.0000	0.1811	0.0280	0.1300

the bias sd is

	(intercept)	x1	x2	x5
FULL	0.0973	0.1259	0.1201	0.1079
COMPLETE	0.1713	0.1934	0.1417	0.1305
PROPOSED	0.0000	0.5389	0.2232	0.3896

beta : 2 0.5 0 0 1.5 0 0 0 intercept : 10

sample size : 100

simulation time : 100

loss_rate: 0.625

average sample size for full data: 100

average sample size for complete data: 62.9

average sample size for logistic data: 1958.44

error_independent: TRUE

missing_method: xy

missing_location: 1

file_name: ./data/beta_2_0_n_100_intercept_10_error_independent_TRUE.Rdata

the estimation mean is

	(intercept)	x1	x2	x5
FULL	10.0035	2.0139	0.5072	1.5093
COMPLETE	10.0932	1.9588	0.4783	1.4312
PROPOSED	0.0000	2.2085	0.5539	1.6477

the estimation sd is

	(intercept)	x1	x2	x5
FULL	0.0953	0.1108	0.1084	0.1087
COMPLETE	0.1552	0.1850	0.1345	0.1436
PROPOSED	0.0000	0.4556	0.1912	0.3370

the bias mean is

	(intercept)	x1	x2	x5
FULL	0.0035	0.0139	0.0072	0.0093
COMPLETE	0.0932	-0.0412	-0.0217	-0.0688
PROPOSED	-10.0000	0.2085	0.0539	0.1477

the bias sd is

	(intercept)	x1	x2	x5
FULL	0.0953	0.1108	0.1084	0.1087
COMPLETE	0.1552	0.1850	0.1345	0.1436
PROPOSED	0.0000	0.4556	0.1912	0.3370

beta : 2 0.5 0 0 1.5 0 0 0 intercept : 5

sample size : 100

simulation time : 100

loss_rate: 0.625

average sample size for full data: 100

average sample size for complete data: 62.68

average sample size for logistic data: 1943.28

error_independent: FALSE

missing_method: xy

missing_location: 1

file_name: ./data/beta_2_0_n_100_intercept_5_error_independent_FALSE.Rdata

the estimation mean is

	(intercept)	x1	x2	x5
FULL	5.0032	1.9902	0.4896	1.4924
COMPLETE	5.0883	1.9436	0.4600	1.4259
PROPOSED	0.0000	2.1811	0.5280	1.6300

the estimation sd is

	(intercept)	x1	x2	x5
FULL	0.0973	0.1259	0.1201	0.1079
COMPLETE	0.1713	0.1934	0.1417	0.1305
PROPOSED	0.0000	0.5389	0.2232	0.3896

the bias mean is

	(intercept)	x1	x2	x5
FULL	0.0032	-0.0098	-0.0104	-0.0076
COMPLETE	0.0883	-0.0564	-0.0400	-0.0741
PROPOSED	-5.0000	0.1811	0.0280	0.1300

the bias sd is

	(intercept)	x1	x2	x5
FULL	0.0973	0.1259	0.1201	0.1079
COMPLETE	0.1713	0.1934	0.1417	0.1305
PROPOSED	0.0000	0.5389	0.2232	0.3896

beta : 2 0.5 0 0 1.5 0 0 0 intercept : 5

sample size : 100

simulation time : 100

loss_rate: 0.625

average sample size for full data: 100

average sample size for complete data: 62.9

average sample size for logistic data: 1958.44

error_independent: TRUE

missing_method: xy

missing_location: 1

file_name: ./data/beta_2_0_n_100_intercept_5_error_independent_TRUE.Rdata

the estimation mean is

	(intercept)	x1	x2	x5
FULL	5.0035	2.0139	0.5072	1.5093
COMPLETE	5.0932	1.9588	0.4783	1.4312
PROPOSED	0.0000	2.2085	0.5539	1.6477

the estimation sd is

	(intercept)	x1	x2	x5
FULL	0.0953	0.1108	0.1084	0.1087
COMPLETE	0.1552	0.1850	0.1345	0.1436
PROPOSED	0.0000	0.4556	0.1912	0.3370

the bias mean is

	(intercept)	x1	x2	x5
FULL	0.0035	0.0139	0.0072	0.0093
COMPLETE	0.0932	-0.0412	-0.0217	-0.0688
PROPOSED	-5.0000	0.2085	0.0539	0.1477

the bias sd is

	(intercept)	x1	x2	x5
FULL	0.0953	0.1108	0.1084	0.1087
COMPLETE	0.1552	0.1850	0.1345	0.1436
PROPOSED	0.0000	0.4556	0.1912	0.3370

beta : 2 0.5 0 0 1.5 0 0 0 intercept : 0

sample size : 500

simulation time : 100

loss_rate: 0.625

average sample size for full data: 500

average sample size for complete data: 310.76

average sample size for logistic data: 48193.53

error_independent: FALSE

missing_method: xy

missing_location: 1

file_name: ./data/beta_2_0_n_500_intercept_0_error_independent_FALSE.Rdata

the estimation mean is

	(intercept)	x1	x2	x5
FULL	-0.0056	1.9939	0.5002	1.4980
COMPLETE	0.0781	1.9439	0.4799	1.4363
PROPOSED	0.0000	2.0135	0.5059	1.5090

the estimation sd is

	(intercept)	x1	x2	x5
FULL	0.0394	0.0612	0.0532	0.0461
COMPLETE	0.0695	0.0826	0.0670	0.0599
PROPOSED	0.0000	0.2050	0.0929	0.1521

the bias mean is

	(intercept)	x1	x2	x5
FULL	-0.0056	-0.0061	0.0002	-0.0020
COMPLETE	0.0781	-0.0561	-0.0201	-0.0637
PROPOSED	0.0000	0.0135	0.0059	0.0090

the bias sd is

	(intercept)	x1	x2	x5
FULL	0.0394	0.0612	0.0532	0.0461
COMPLETE	0.0695	0.0826	0.0670	0.0599
PROPOSED	0.0000	0.2050	0.0929	0.1521

beta : 2 0.5 0 0 1.5 0 0 0 intercept : 0

sample size : 500

simulation time : 100

loss_rate: 0.625

average sample size for full data: 500

average sample size for complete data: 313.45

average sample size for logistic data: 49022.2

error_independent: TRUE

missing_method: xy

missing_location: 1

file_name: ./data/beta_2_0_n_500_intercept_0_error_independent_TRUE.Rdata

the estimation mean is

	(intercept)	x1	x2	x5
FULL	-0.0052	2.0020	0.5019	1.4955
COMPLETE	0.0971	1.9327	0.4725	1.4177
PROPOSED	0.0000	2.0012	0.4997	1.4900

the estimation sd is

	(intercept)	x1	x2	x5
FULL	0.0392	0.0473	0.0476	0.0476
COMPLETE	0.0657	0.0851	0.0544	0.0657
PROPOSED	0.0000	0.1878	0.0712	0.1381

the bias mean is

	(intercept)	x1	x2	x5
FULL	-0.0052	0.0020	0.0019	-0.0045
COMPLETE	0.0971	-0.0673	-0.0275	-0.0823
PROPOSED	0.0000	0.0012	-0.0003	-0.0100

the bias sd is

	(intercept)	x1	x2	x5
FULL	0.0392	0.0473	0.0476	0.0476
COMPLETE	0.0657	0.0851	0.0544	0.0657
PROPOSED	0.0000	0.1878	0.0712	0.1381

beta : 2 0.5 0 0 1.5 0 0 0 intercept : 5

sample size : 500

simulation time : 100

loss_rate: 0.625

average sample size for full data: 500

average sample size for complete data: 310.76

average sample size for logistic data: 48193.53

error_independent: FALSE

missing_method: xy

missing_location: 1

file_name: ./data/beta_2_0_n_500_intercept_5_error_independent_FALSE.Rdata

the estimation mean is

	(intercept)	x1	x2	x5
FULL	4.9944	1.9939	0.5002	1.4980
COMPLETE	5.0781	1.9439	0.4799	1.4363
PROPOSED	0.0000	2.0135	0.5059	1.5090

the estimation sd is

	(intercept)	x1	x2	x5
FULL	0.0394	0.0612	0.0532	0.0461
COMPLETE	0.0695	0.0826	0.0670	0.0599
PROPOSED	0.0000	0.2050	0.0929	0.1521

the bias mean is

	(intercept)	x1	x2	x5
FULL	-0.0056	-0.0061	0.0002	-0.0020
COMPLETE	0.0781	-0.0561	-0.0201	-0.0637
PROPOSED	-5.0000	0.0135	0.0059	0.0090

the bias sd is

	(intercept)	x1	x2	x5
FULL	0.0394	0.0612	0.0532	0.0461
COMPLETE	0.0695	0.0826	0.0670	0.0599
PROPOSED	0.0000	0.2050	0.0929	0.1521

beta : 2 0.5 0 0 1.5 0 0 0 intercept : 5

sample size : 500

simulation time : 100

loss_rate: 0.625

average sample size for full data: 500

average sample size for complete data: 313.45

average sample size for logistic data: 49022.2

error_independent: TRUE

missing_method: xy

missing_location: 1

file_name: ./data/beta_2_0_n_500_intercept_5_error_independent_TRUE.Rdata

the estimation mean is

	(intercept)	x1	x2	x5
FULL	4.9948	2.0020	0.5019	1.4955
COMPLETE	5.0971	1.9327	0.4725	1.4177
PROPOSED	0.0000	2.0012	0.4997	1.4900

the estimation sd is

	(intercept)	x1	x2	x5
FULL	0.0392	0.0473	0.0476	0.0476
COMPLETE	0.0657	0.0851	0.0544	0.0657
PROPOSED	0.0000	0.1878	0.0712	0.1381

the bias mean is

	(intercept)	x1	x2	x5
FULL	-0.0052	0.0020	0.0019	-0.0045
COMPLETE	0.0971	-0.0673	-0.0275	-0.0823
PROPOSED	-5.0000	0.0012	-0.0003	-0.0100

the bias sd is

	(intercept)	x1	x2	x5
FULL	0.0392	0.0473	0.0476	0.0476
COMPLETE	0.0657	0.0851	0.0544	0.0657
PROPOSED	0.0000	0.1878	0.0712	0.1381

beta : 3 1.5 0 0 2 0 0 0 intercept : 0

sample size : 100

simulation time : 100

loss_rate: 0.625

average sample size for full data: 100

average sample size for complete data: 62.57

average sample size for logistic data: 1937.67

error_independent: FALSE

missing_method: xy

missing_location: 1

file_name: ./data/beta_3_0_n_100_intercept_0_error_independent_FALSE.Rdata

the estimation mean is

	(intercept)	x1	x2	x5
FULL	0.0032	2.9902	1.4896	1.9924
COMPLETE	0.0568	2.9681	1.4517	1.9526
PROPOSED	0.0000	3.3195	1.6612	2.2012

the estimation sd is

	(intercept)	x1	x2	x5
FULL	0.0973	0.1259	0.1201	0.1079
COMPLETE	0.1712	0.1912	0.1469	0.1267
PROPOSED	0.0000	0.7875	0.4416	0.5361

the bias mean is

	(intercept)	x1	x2	x5
FULL	0.0032	-0.0098	-0.0104	-0.0076
COMPLETE	0.0568	-0.0319	-0.0483	-0.0474
PROPOSED	0.0000	0.3195	0.1612	0.2012

the bias sd is

	(intercept)	x1	x2	x5
FULL	0.0973	0.1259	0.1201	0.1079
COMPLETE	0.1712	0.1912	0.1469	0.1267
PROPOSED	0.0000	0.7875	0.4416	0.5361

beta : 3 1.5 0 0 2 0 0 0 intercept : 0

sample size : 100

simulation time : 100

loss_rate: 0.625

average sample size for full data: 100

average sample size for complete data: 63.01

average sample size for logistic data: 1964.04

error_independent: TRUE

missing_method: xy

missing_location: 1

file_name: ./data/beta_3_0_n_100_intercept_0_error_independent_TRUE.Rdata

the estimation mean is

	(intercept)	x1	x2	x5
FULL	0.0035	3.0139	1.5072	2.0093
COMPLETE	0.0588	2.9829	1.4655	1.9599
PROPOSED	0.0000	3.3430	1.6600	2.2143

the estimation sd is

	(intercept)	x1	x2	x5
FULL	0.0953	0.1108	0.1084	0.1087
COMPLETE	0.1568	0.1867	0.1341	0.1421
PROPOSED	0.0000	0.6990	0.3513	0.4628

the bias mean is

	(intercept)	x1	x2	x5
FULL	0.0035	0.0139	0.0072	0.0093
COMPLETE	0.0588	-0.0171	-0.0345	-0.0401
PROPOSED	0.0000	0.3430	0.1600	0.2143

the bias sd is

	(intercept)	x1	x2	x5
FULL	0.0953	0.1108	0.1084	0.1087
COMPLETE	0.1568	0.1867	0.1341	0.1421
PROPOSED	0.0000	0.6990	0.3513	0.4628

beta : 3 1.5 0 0 2 0 0 0 intercept : 10

sample size : 100

simulation time : 100

loss_rate: 0.625

average sample size for full data: 100

average sample size for complete data: 62.57

average sample size for logistic data: 1937.67

error_independent: FALSE

missing_method: xy

missing_location: 1

file_name: ./data/beta_3_0_n_100_intercept_10_error_independent_FALSE.Rdata

the estimation mean is

	(intercept)	x1	x2	x5
FULL	10.0032	2.9902	1.4896	1.9924
COMPLETE	10.0568	2.9681	1.4517	1.9526
PROPOSED	0.0000	3.3195	1.6612	2.2012

the estimation sd is

	(intercept)	x1	x2	x5
FULL	0.0973	0.1259	0.1201	0.1079
COMPLETE	0.1712	0.1912	0.1469	0.1267
PROPOSED	0.0000	0.7875	0.4416	0.5361

the bias mean is

	(intercept)	x1	x2	x5
FULL	0.0032	-0.0098	-0.0104	-0.0076
COMPLETE	0.0568	-0.0319	-0.0483	-0.0474
PROPOSED	-10.0000	0.3195	0.1612	0.2012

the bias sd is

	(intercept)	x1	x2	x5
FULL	0.0973	0.1259	0.1201	0.1079
COMPLETE	0.1712	0.1912	0.1469	0.1267
PROPOSED	0.0000	0.7875	0.4416	0.5361

beta : 3 1.5 0 0 2 0 0 0 intercept : 10

sample size : 100

simulation time : 100

loss_rate: 0.625

average sample size for full data: 100

average sample size for complete data: 63.01

average sample size for logistic data: 1964.04

error_independent: TRUE

missing_method: xy

missing_location: 1

file_name: ./data/beta_3_0_n_100_intercept_10_error_independent_TRUE.Rdata

the estimation mean is

	(intercept)	x1	x2	x5
FULL	10.0035	3.0139	1.5072	2.0093
COMPLETE	10.0588	2.9829	1.4655	1.9599
PROPOSED	0.0000	3.3430	1.6600	2.2143

the estimation sd is

	(intercept)	x1	x2	x5
FULL	0.0953	0.1108	0.1084	0.1087
COMPLETE	0.1568	0.1867	0.1341	0.1421
PROPOSED	0.0000	0.6990	0.3513	0.4628

the bias mean is

	(intercept)	x1	x2	x5
FULL	0.0035	0.0139	0.0072	0.0093
COMPLETE	0.0588	-0.0171	-0.0345	-0.0401
PROPOSED	-10.0000	0.3430	0.1600	0.2143

the bias sd is

	(intercept)	x1	x2	x5
FULL	0.0953	0.1108	0.1084	0.1087
COMPLETE	0.1568	0.1867	0.1341	0.1421
PROPOSED	0.0000	0.6990	0.3513	0.4628

beta : 3 1.5 0 0 2 0 0 0 intercept : 5

sample size : 100

simulation time : 100

loss_rate: 0.625

average sample size for full data: 100

average sample size for complete data: 62.57

average sample size for logistic data: 1937.67

error_independent: FALSE

missing_method: xy

missing_location: 1

file_name: ./data/beta_3_0_n_100_intercept_5_error_independent_FALSE.Rdata

the estimation mean is

	(intercept)	x1	x2	x5
FULL	5.0032	2.9902	1.4896	1.9924
COMPLETE	5.0568	2.9681	1.4517	1.9526
PROPOSED	0.0000	3.3195	1.6612	2.2012

the estimation sd is

	(intercept)	x1	x2	x5
FULL	0.0973	0.1259	0.1201	0.1079
COMPLETE	0.1712	0.1912	0.1469	0.1267
PROPOSED	0.0000	0.7875	0.4416	0.5361

the bias mean is

	(intercept)	x1	x2	x5
FULL	0.0032	-0.0098	-0.0104	-0.0076
COMPLETE	0.0568	-0.0319	-0.0483	-0.0474
PROPOSED	-5.0000	0.3195	0.1612	0.2012

the bias sd is

	(intercept)	x1	x2	x5
FULL	0.0973	0.1259	0.1201	0.1079
COMPLETE	0.1712	0.1912	0.1469	0.1267
PROPOSED	0.0000	0.7875	0.4416	0.5361

beta : 3 1.5 0 0 2 0 0 0 intercept : 5

sample size : 100

simulation time : 100

loss_rate: 0.625

average sample size for full data: 100

average sample size for complete data: 63.01

average sample size for logistic data: 1964.04

error_independent: TRUE

missing_method: xy

missing_location: 1

file_name: ./data/beta_3_0_n_100_intercept_5_error_independent_TRUE.Rdata

the estimation mean is

	(intercept)	x1	x2	x5
FULL	5.0035	3.0139	1.5072	2.0093
COMPLETE	5.0588	2.9829	1.4655	1.9599
PROPOSED	0.0000	3.3430	1.6600	2.2143

the estimation sd is

	(intercept)	x1	x2	x5
FULL	0.0953	0.1108	0.1084	0.1087
COMPLETE	0.1568	0.1867	0.1341	0.1421
PROPOSED	0.0000	0.6990	0.3513	0.4628

the bias mean is

	(intercept)	x1	x2	x5
FULL	0.0035	0.0139	0.0072	0.0093
COMPLETE	0.0588	-0.0171	-0.0345	-0.0401
PROPOSED	-5.0000	0.3430	0.1600	0.2143

the bias sd is

	(intercept)	x1	x2	x5
FULL	0.0953	0.1108	0.1084	0.1087
COMPLETE	0.1568	0.1867	0.1341	0.1421
PROPOSED	0.0000	0.6990	0.3513	0.4628

beta : 3 1.5 0 0 2 0 0 0 intercept : 0

sample size : 1000

simulation time : 100

loss_rate: 0.625

average sample size for full data: 1000

average sample size for complete data: 628.07

average sample size for logistic data: 196997.7

error_independent: FALSE

missing_method: xy

missing_location: 1

file_name: ./data/beta_3_0_n_1000_intercept_0_error_independent_FALSE.Rdata

the estimation mean is

	(intercept)	x1	x2	x5
FULL	0.0052	2.9963	1.4988	2.0005
COMPLETE	0.0450	2.9821	1.4767	1.9706
PROPOSED	0.0000	3.0135	1.5024	2.0064

the estimation sd is

	(intercept)	x1	x2	x5
FULL	0.0289	0.0367	0.0350	0.0338
COMPLETE	0.0491	0.0537	0.0483	0.0416
PROPOSED	0.0000	0.1808	0.0913	0.1280

the bias mean is

	(intercept)	x1	x2	x5
FULL	0.0052	-0.0037	-0.0012	0.0005
COMPLETE	0.0450	-0.0179	-0.0233	-0.0294
PROPOSED	0.0000	0.0135	0.0024	0.0064

the bias sd is

	(intercept)	x1	x2	x5
FULL	0.0289	0.0367	0.0350	0.0338
COMPLETE	0.0491	0.0537	0.0483	0.0416
PROPOSED	0.0000	0.1808	0.0913	0.1280

beta : 3 1.5 0 0 2 0 0 0 intercept : 0

sample size : 1000

simulation time : 100

loss_rate: 0.625

average sample size for full data: 1000

average sample size for complete data: 623.65

average sample size for logistic data: 194277.7

error_independent: TRUE

missing_method: xy

missing_location: 1

file_name: ./data/beta_3_0_n_1000_intercept_0_error_independent_TRUE.Rdata

the estimation mean is

	(intercept)	x1	x2	x5
FULL	0.0051	2.9957	1.4938	2.0046
COMPLETE	0.0753	2.9495	1.4505	1.9553
PROPOSED	0.0000	3.0293	1.4981	2.0232

the estimation sd is

	(intercept)	x1	x2	x5
FULL	0.0289	0.0299	0.0319	0.0286
COMPLETE	0.0495	0.0625	0.0397	0.0409
PROPOSED	0.0000	0.1711	0.0984	0.1221

the bias mean is

	(intercept)	x1	x2	x5
FULL	0.0051	-0.0043	-0.0062	0.0046
COMPLETE	0.0753	-0.0505	-0.0495	-0.0447
PROPOSED	0.0000	0.0293	-0.0019	0.0232

the bias sd is

	(intercept)	x1	x2	x5
FULL	0.0289	0.0299	0.0319	0.0286
COMPLETE	0.0495	0.0625	0.0397	0.0409
PROPOSED	0.0000	0.1711	0.0984	0.1221

beta : 3 1.5 0 0 2 0 0 0 intercept : 0

sample size : 500

simulation time : 100

loss_rate: 0.625

average sample size for full data: 500

average sample size for complete data: 310.93

average sample size for logistic data: 48246.61

error_independent: FALSE

missing_method: xy

missing_location: 1

file_name: ./data/beta_3_0_n_500_intercept_0_error_independent_FALSE.Rdata

the estimation mean is

	(intercept)	x1	x2	x5
FULL	-0.0056	2.9939	1.5002	1.9980
COMPLETE	0.0391	2.9682	1.4797	1.9663
PROPOSED	0.0000	3.0209	1.5154	2.0131

the estimation sd is

	(intercept)	x1	x2	x5
FULL	0.0394	0.0612	0.0532	0.0461
COMPLETE	0.0726	0.0864	0.0701	0.0604
PROPOSED	0.0000	0.2907	0.1612	0.1955

the bias mean is

	(intercept)	x1	x2	x5
FULL	-0.0056	-0.0061	0.0002	-0.0020
COMPLETE	0.0391	-0.0318	-0.0203	-0.0337
PROPOSED	0.0000	0.0209	0.0154	0.0131

the bias sd is

	(intercept)	x1	x2	x5
FULL	0.0394	0.0612	0.0532	0.0461
COMPLETE	0.0726	0.0864	0.0701	0.0604
PROPOSED	0.0000	0.2907	0.1612	0.1955

beta : 3 1.5 0 0 2 0 0 0 intercept : 0

sample size : 500

simulation time : 100

loss_rate: 0.625

average sample size for full data: 500

average sample size for complete data: 313.52

average sample size for logistic data: 49045.64

error_independent: TRUE

missing_method: xy

missing_location: 1

file_name: ./data/beta_3_0_n_500_intercept_0_error_independent_TRUE.Rdata

the estimation mean is

	(intercept)	x1	x2	x5
FULL	-0.0052	3.0020	1.5019	1.9955
COMPLETE	0.0598	2.9570	1.4674	1.9477
PROPOSED	0.0000	3.0002	1.5034	1.9941

the estimation sd is

	(intercept)	x1	x2	x5
FULL	0.0392	0.0473	0.0476	0.0476
COMPLETE	0.0676	0.0829	0.0572	0.0648
PROPOSED	0.0000	0.2551	0.1315	0.1723

the bias mean is

	(intercept)	x1	x2	x5
FULL	-0.0052	0.0020	0.0019	-0.0045
COMPLETE	0.0598	-0.0430	-0.0326	-0.0523
PROPOSED	0.0000	0.0002	0.0034	-0.0059

the bias sd is

	(intercept)	x1	x2	x5
FULL	0.0392	0.0473	0.0476	0.0476
COMPLETE	0.0676	0.0829	0.0572	0.0648
PROPOSED	0.0000	0.2551	0.1315	0.1723