Bias versus number of auxiliary variables

Bias

0.10
0.05
0.00
−0.05
−0.10

0
5
10
15

Number of auxiliary variables

Empirical SE versus number of auxiliary variables

Empirical standard error

0.52
0.48
0.44

0
5
10
15

Number of auxiliary variables

Relative error versus number of auxiliary variables

Relative error

8
4
0
−4

0
5
10
15

Number of auxiliary variables

Coverage versus number of auxiliary variables

Coverage

0.96
0.95
0.94

0
5
10
15

Number of auxiliary variables

Method — Complete Case Analysis — Full Data Analysis — Logistic Regression

DGM

Continuous A, Covariance: 0, Betas: ( −0.25, 0, 0 ), % Mis: 0.4, Mech: MAR
Continuous A, Covariance: 0, Betas: ( −0.25, 0, 0 ), % Mis: 0.4, Mech: MCAR
Continuous A, Covariance: 0, Betas: ( −0.25, 0, 0 ), % Mis: 0.4, Mech: N/A
Continuous A, Covariance: 0, Betas: ( 0, 0, 0 ), % Mis: 0.4, Mech: MAR
Continuous A, Covariance: 0, Betas: ( 0, 0, 0 ), % Mis: 0.4, Mech: MCAR
Continuous A, Covariance: 0, Betas: ( 0, 0, 0 ), % Mis: 0.4, Mech: N/A
Continuous A, Covariance: 0, Betas: ( 0.25, 0, 0 ), % Mis: 0.4, Mech: MAR
Continuous A, Covariance: 0, Betas: ( 0.25, 0, 0 ), % Mis: 0.4, Mech: MCAR
Continuous A, Covariance: 0, Betas: ( 0.25, 0, 0 ), % Mis: 0.4, Mech: N/A