Bias versus number of auxiliary variables

Bias

0.10
0.05
0.00
−0.05

0
20
40
60

Number of auxiliary variables

Empirical SE versus number of auxiliary variables

Empirical standard error

0.45
0.40
0.35
0.30
0.25
0.20

0
20
40
60

Number of auxiliary variables

Relative error versus number of auxiliary variables

Relative error

40
30
20
10
0

0
20
40
60

Number of auxiliary variables

Coverage versus number of auxiliary variables

Coverage

1.00
0.98
0.96
0.94

0
20
40
60

Number of auxiliary variables

Method — Bayesian Linear Regression — Complete Case Analysis — Full Data Analysis — Predictive Mean Matching

DGM
- Binary X, B3_2: 0, % Mis: 0.2, Mech: MAR
- Binary X, B3_2: 0, % Mis: 0.2, Mech: MCAR
- Binary X, B3_2: 0, % Mis: 0.2, Mech: N/A
- Binary X, B3_2: 0.32, % Mis: 0.2, Mech: MAR
- Binary X, B3_2: 0.32, % Mis: 0.2, Mech: MCAR
- Binary X, B3_2: 0.32, % Mis: 0.2, Mech: N/A