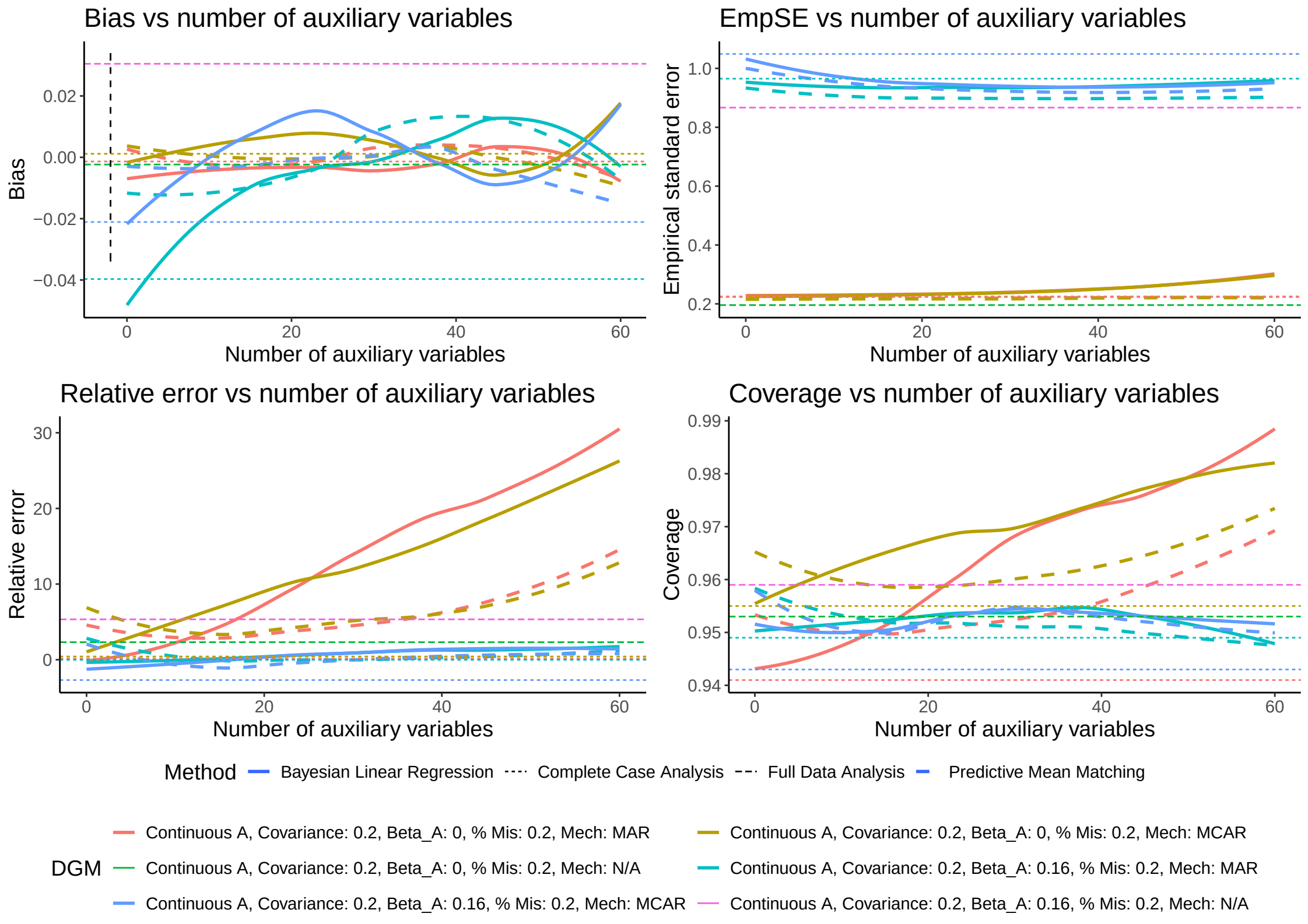
Bias vs number of auxiliary variables
Bias
0.02
0.00
−0.02
−0.04
0
20
40
60
Number of auxiliary variables
EmpSE vs number of auxiliary variables
Empirical standard error
1.0
0.8
0.6
0.4
0.2
0
20
40
60
Number of auxiliary variables
Relative error vs number of auxiliary variables
Relative error
30
20
10
0
0
20
40
60
Number of auxiliary variables
Coverage vs number of auxiliary variables
Coverage
0.99
0.98
0.97
0.96
0.95
0.94
0
20
40
60
Number of auxiliary variables
Method
Bayesian Linear Regression
Complete Case Analysis
Full Data Analysis
Predictive Mean Matching
DGM
Continuous A, Covariance: 0.2, Beta_A: 0, % Mis: 0.2, Mech: MAR
Continuous A, Covariance: 0.2, Beta_A: 0, % Mis: 0.2, Mech: MCAR
Continuous A, Covariance: 0.2, Beta_A: 0, % Mis: 0.2, Mech: N/A
Continuous A, Covariance: 0.2, Beta_A: 0.16, % Mis: 0.2, Mech: MAR
Continuous A, Covariance: 0.2, Beta_A: 0.16, % Mis: 0.2, Mech: MCAR
Continuous A, Covariance: 0.2, Beta_A: 0.16, % Mis: 0.2, Mech: N/A