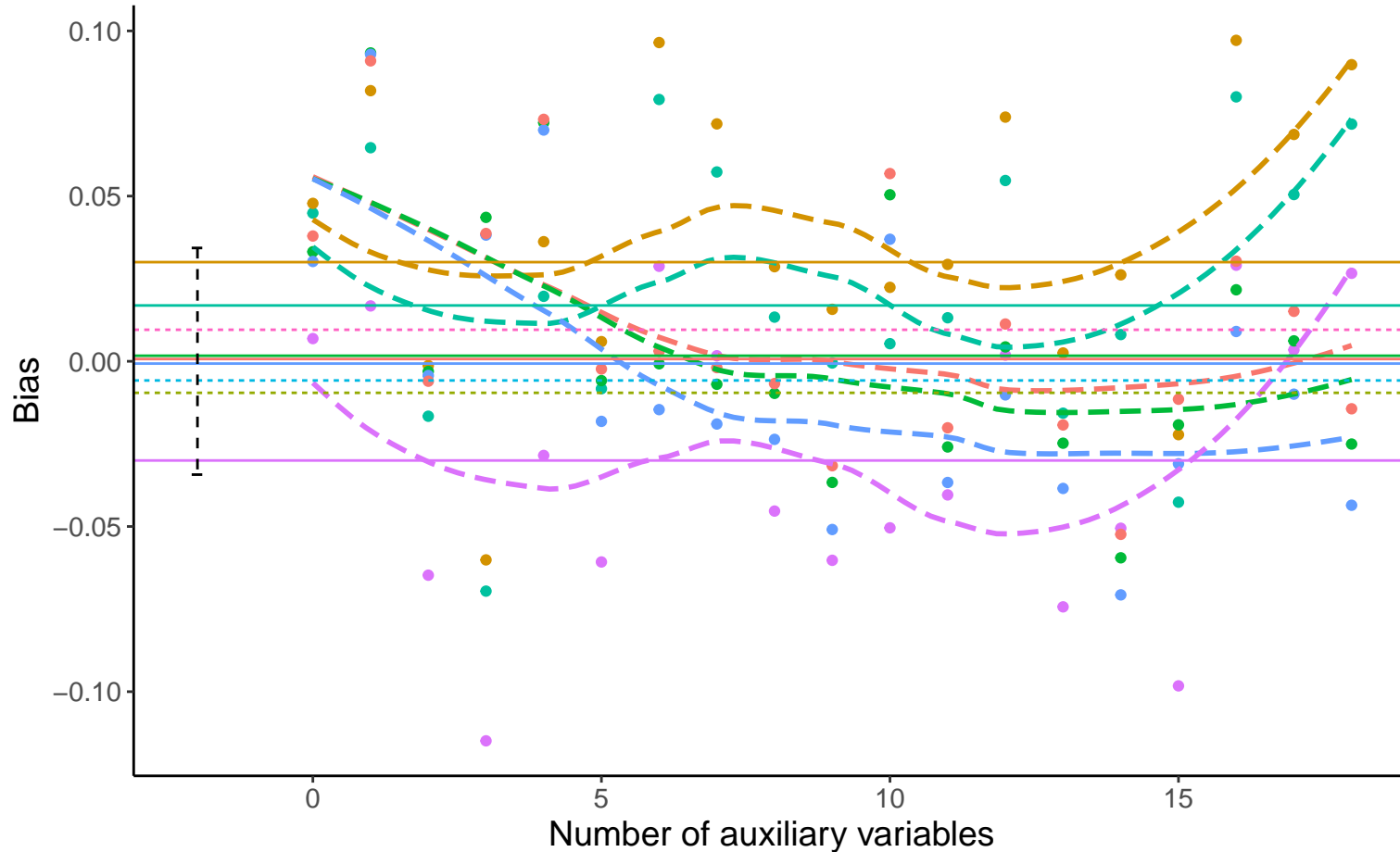
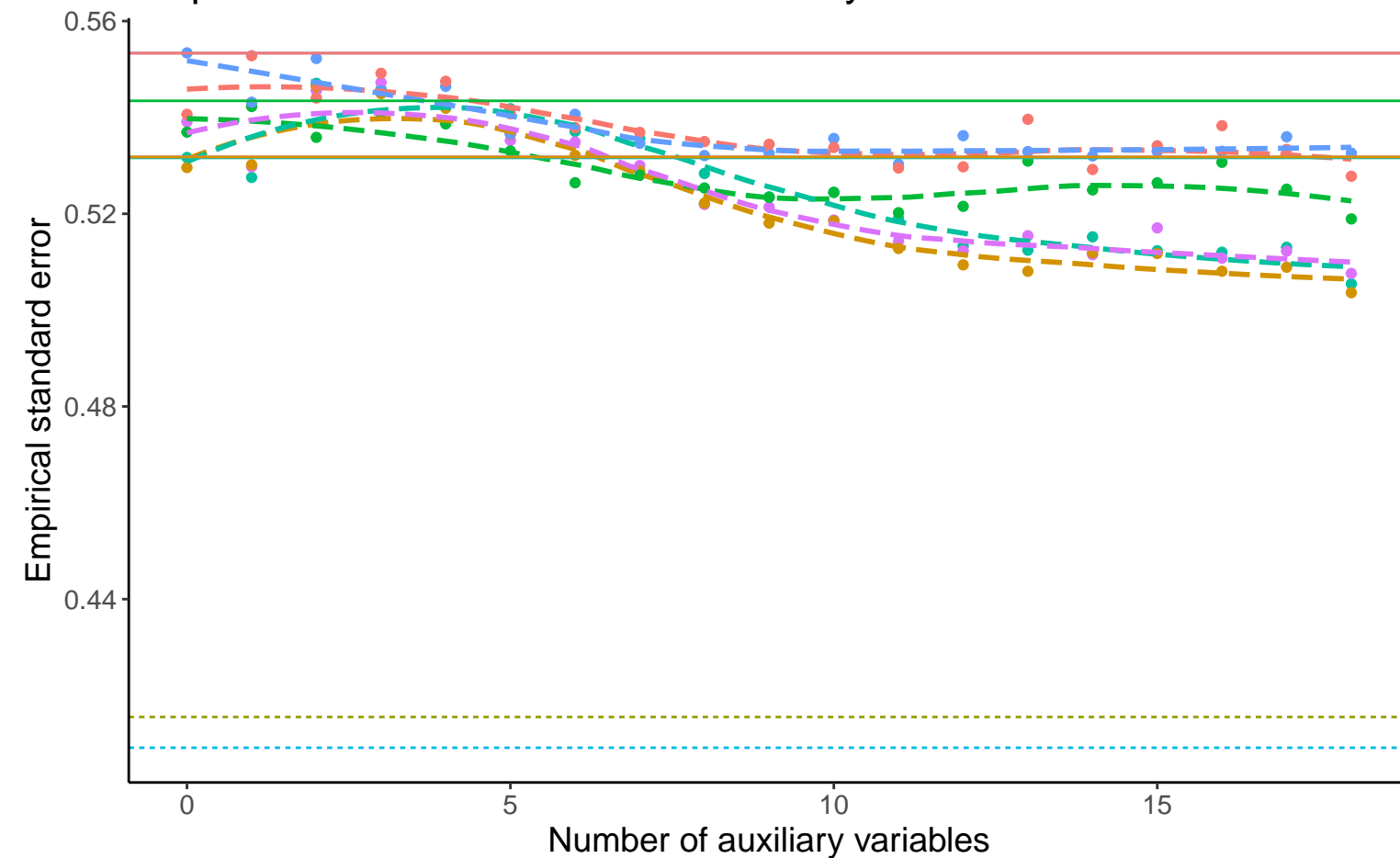


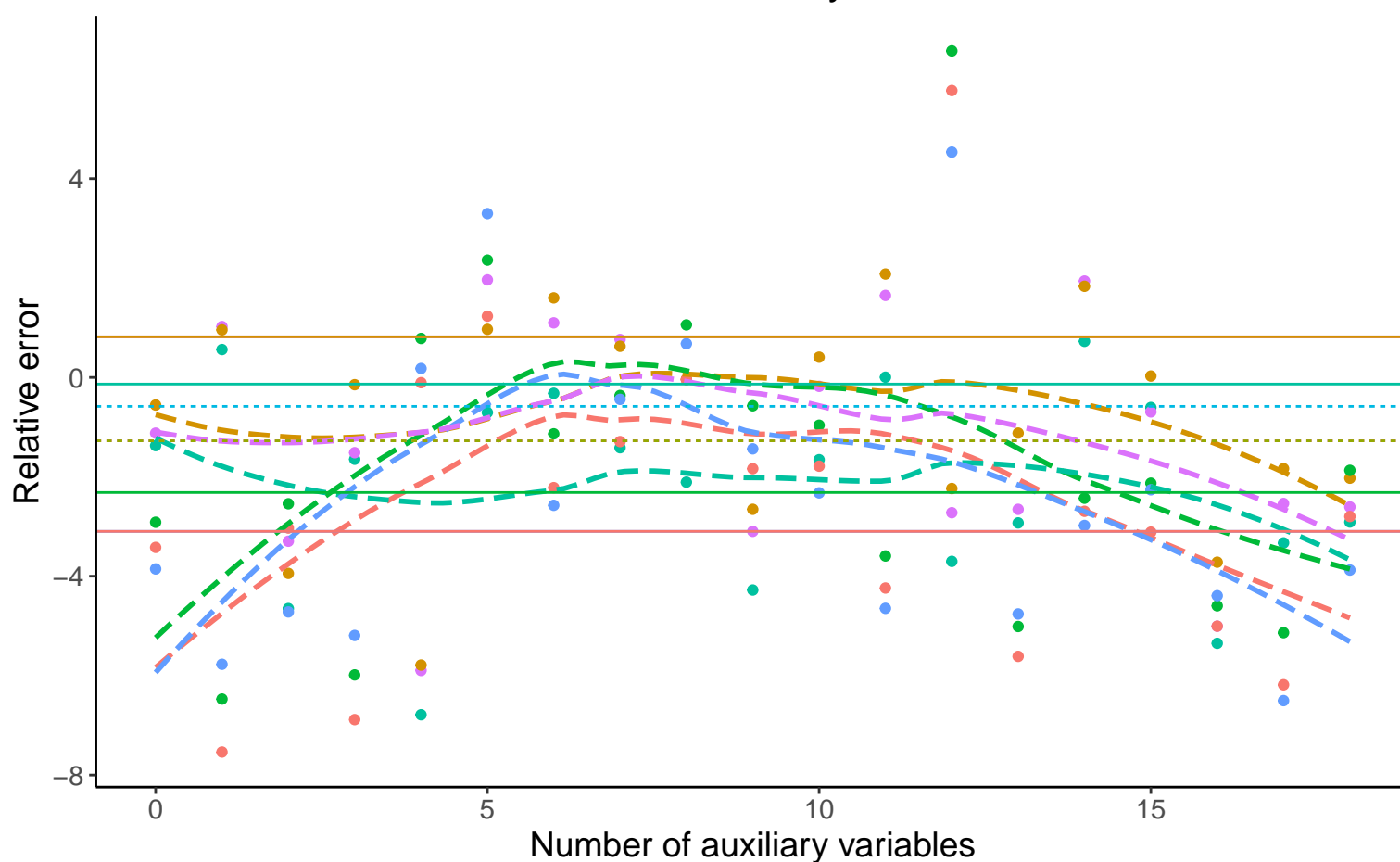
### Bias versus number of auxiliary variables



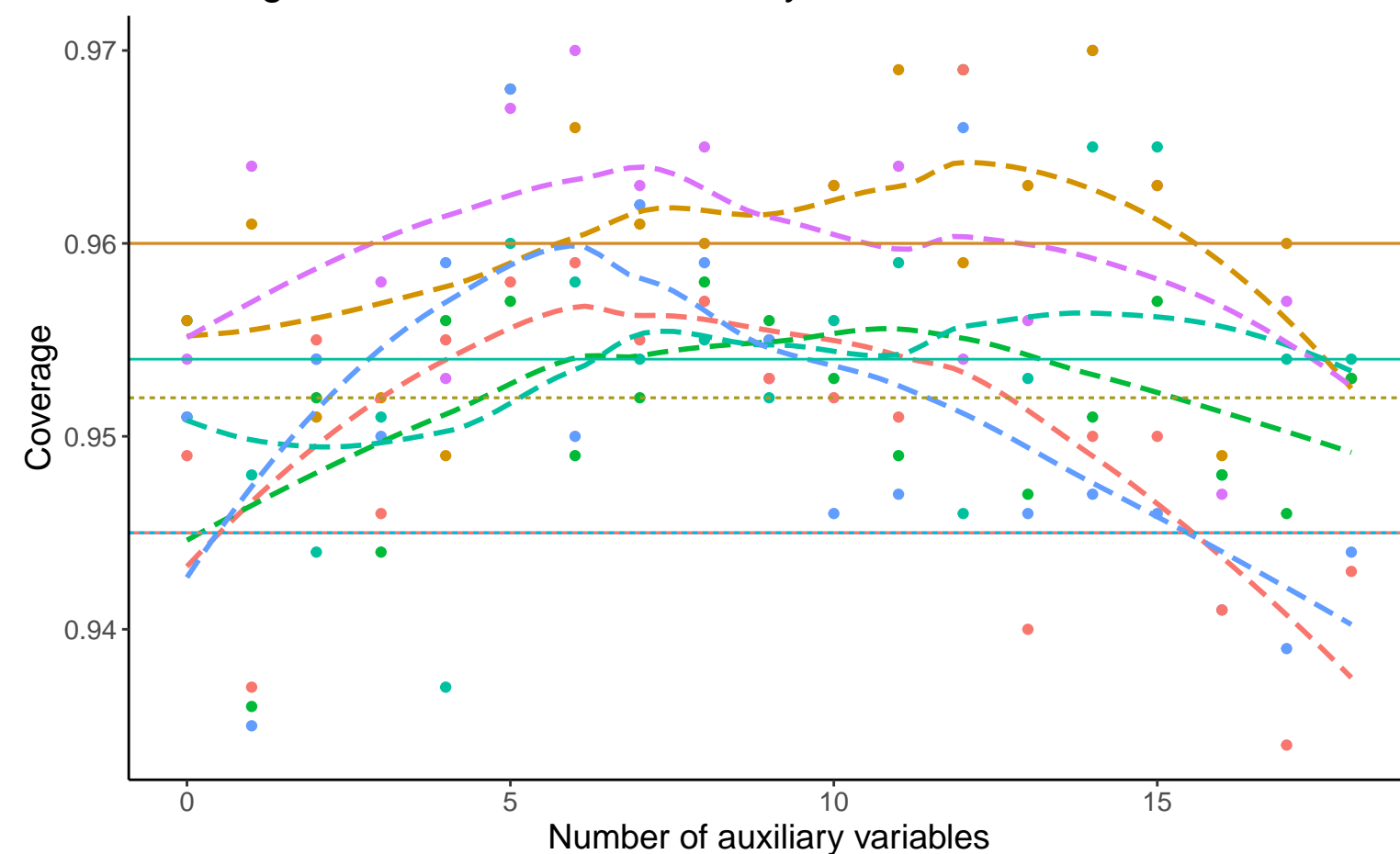
### Empirical SE versus number of auxiliary variables



### Relative error versus number of auxiliary variables



### Coverage versus number of auxiliary variables



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

Binary A, Covariance: 0.2, Betas:  $(-0.25, 0, 0)$ , % Mis: 0.4, Mech: MAR    Binary A, Covariance: 0.2, Betas:  $(-0.25, 0, 0)$ , % Mis: 0.4, Mech: MCAR    Binary A, Covariance: 0.2, Betas:  $(-0.25, 0, 0)$ , % Mis: 0.4, Mech: N/A  
 Binary A, Covariance: 0.2, Betas:  $(0, 0, 0)$ , % Mis: 0.4, Mech: MAR    Binary A, Covariance: 0.2, Betas:  $(0, 0, 0)$ , % Mis: 0.4, Mech: MCAR    Binary A, Covariance: 0.2, Betas:  $(0, 0, 0)$ , % Mis: 0.4, Mech: N/A  
 Binary A, Covariance: 0.2, Betas:  $(0.25, 0, 0)$ , % Mis: 0.4, Mech: MAR    Binary A, Covariance: 0.2, Betas:  $(0.25, 0, 0)$ , % Mis: 0.4, Mech: MCAR    Binary A, Covariance: 0.2, Betas:  $(0.25, 0, 0)$ , % Mis: 0.4, Mech: N/A