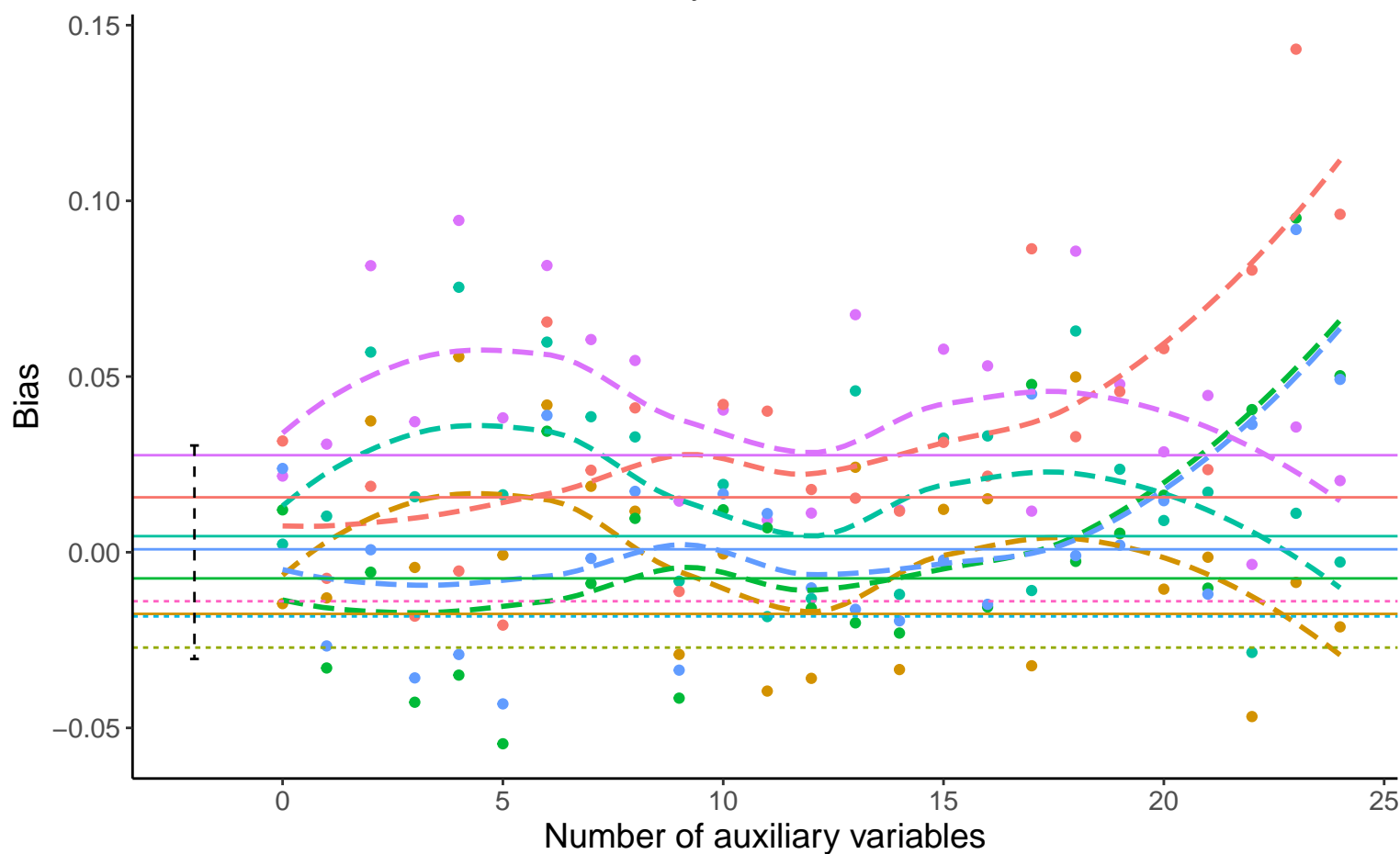
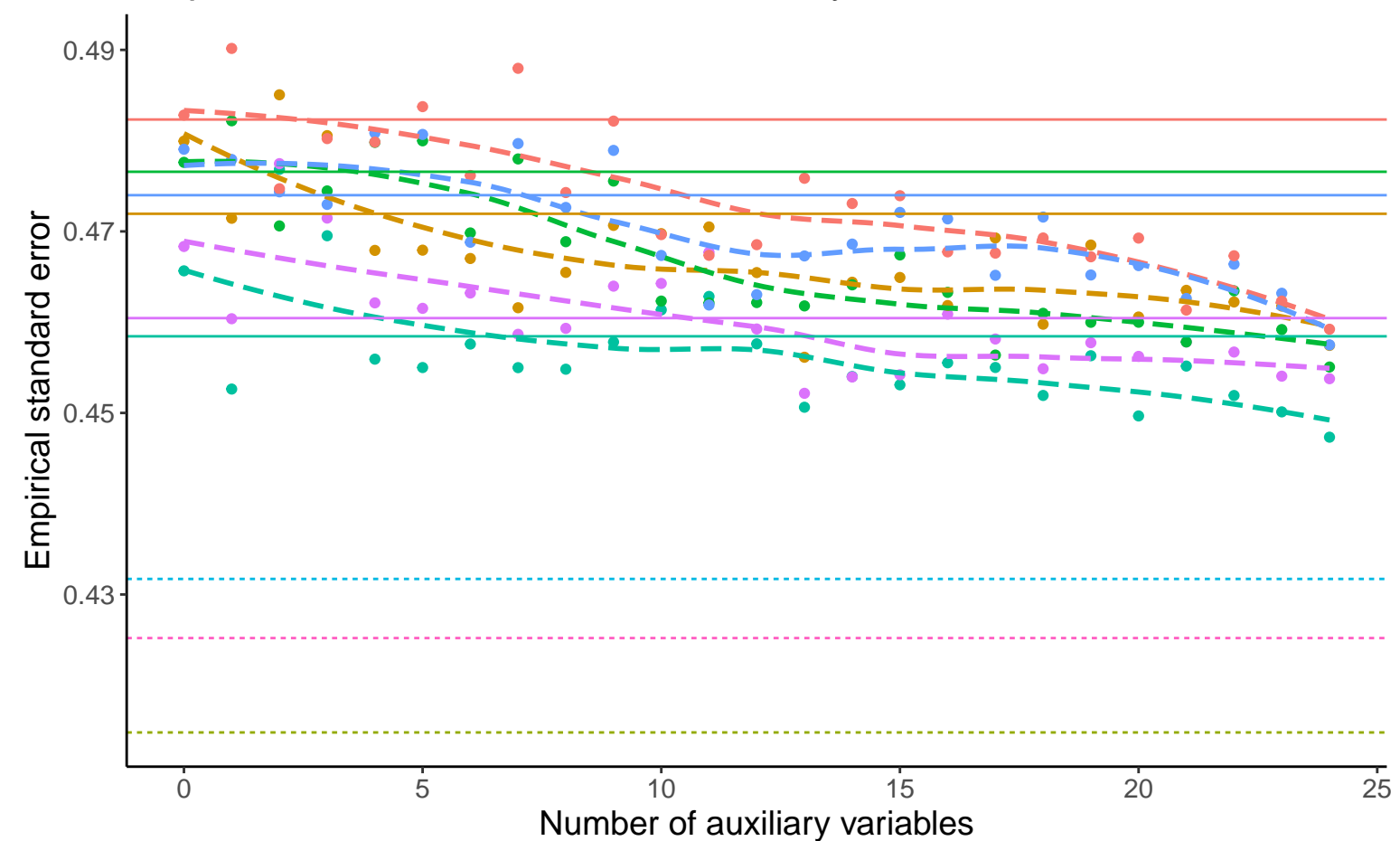


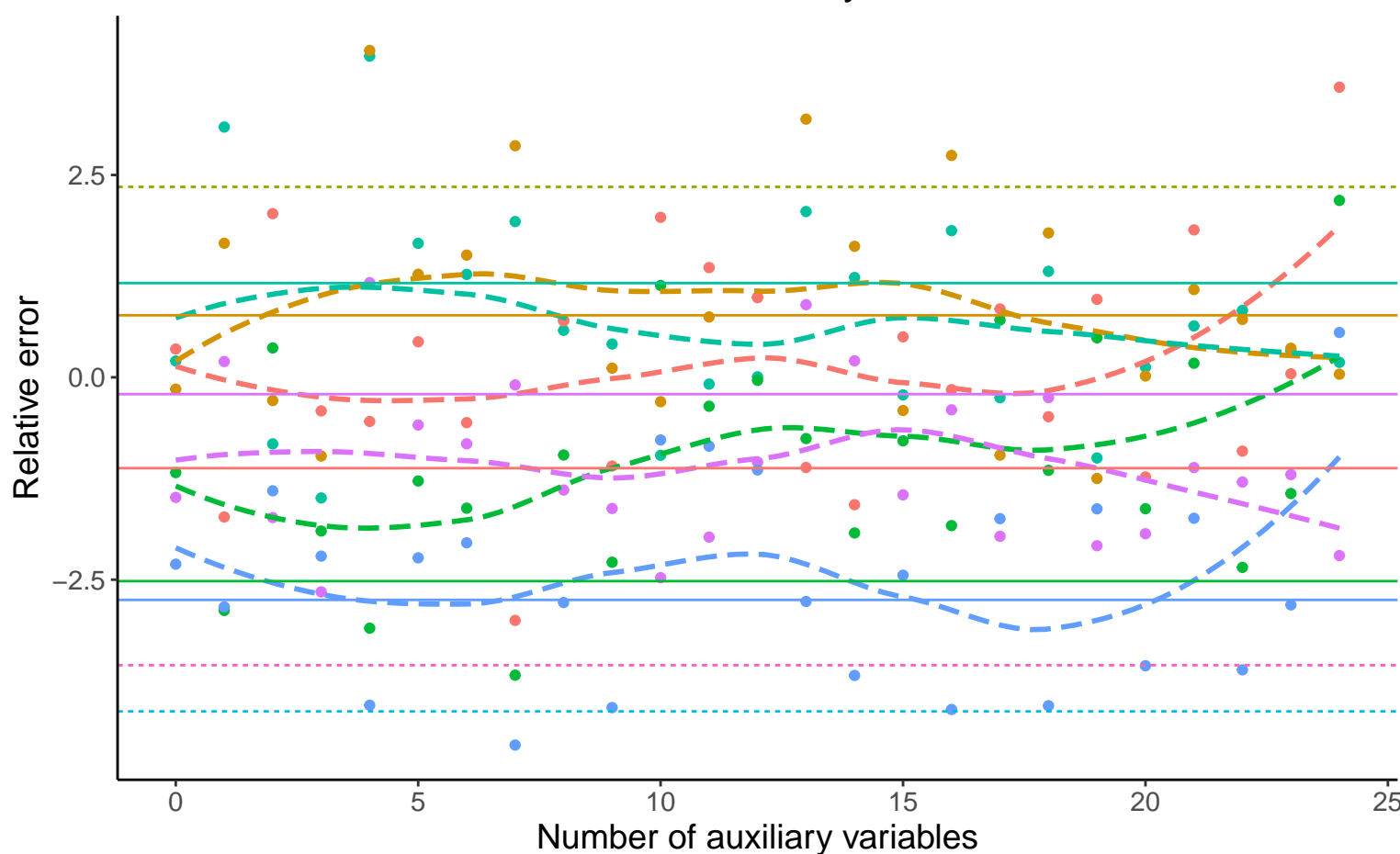
### Bias versus number of auxiliary variables



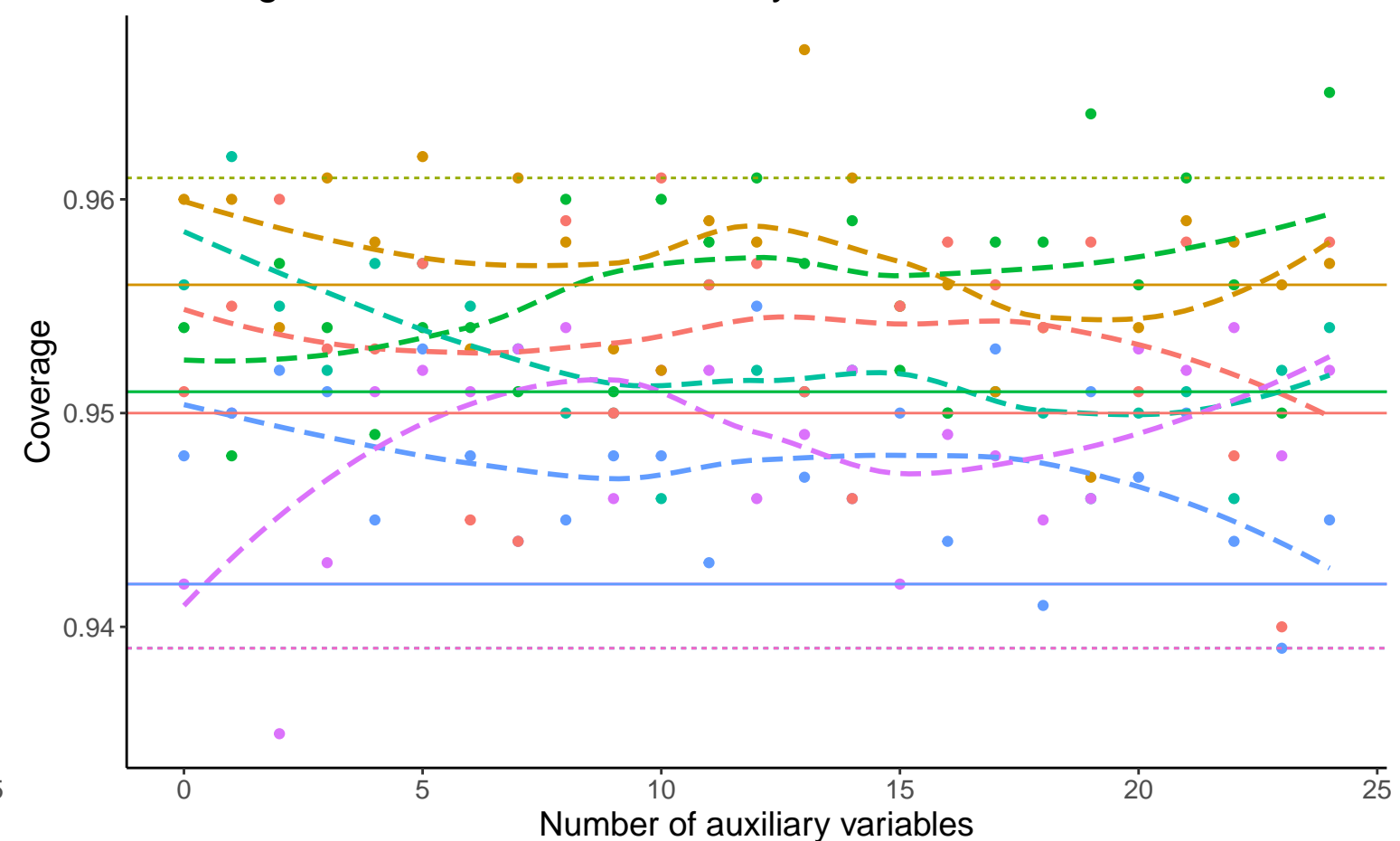
### Empirical SE versus number of auxiliary variables



### Relative error versus number of auxiliary variables



### Coverage versus number of auxiliary variables



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

Continuous A, Covariance: 0, Betas:  $(-0.25, -0.5, -0.02)$ , % Mis: 0.2, Mech: MAR Continuous A, Covariance: 0, Betas:  $(-0.25, -0.5, -0.02)$ , % Mis: 0.2, Mech: MCAR Continuous A, Covariance: 0, Betas:  $(-0.25, -0.5, -0.02)$ , % Mis: 0.2, Mech: MAR  
Continuous A, Covariance: 0, Betas:  $(0, -0.5, -0.02)$ , % Mis: 0.2, Mech: MAR Continuous A, Covariance: 0, Betas:  $(0, -0.5, -0.02)$ , % Mis: 0.2, Mech: MCAR Continuous A, Covariance: 0, Betas:  $(0, -0.5, -0.02)$ , % Mis: 0.2, Mech: MAR  
Continuous A, Covariance: 0, Betas:  $(0.25, -0.5, -0.02)$ , % Mis: 0.2, Mech: MAR Continuous A, Covariance: 0, Betas:  $(0.25, -0.5, -0.02)$ , % Mis: 0.2, Mech: MCAR Continuous A, Covariance: 0, Betas:  $(0.25, -0.5, -0.02)$ , % Mis: 0.2, Mech: MAR