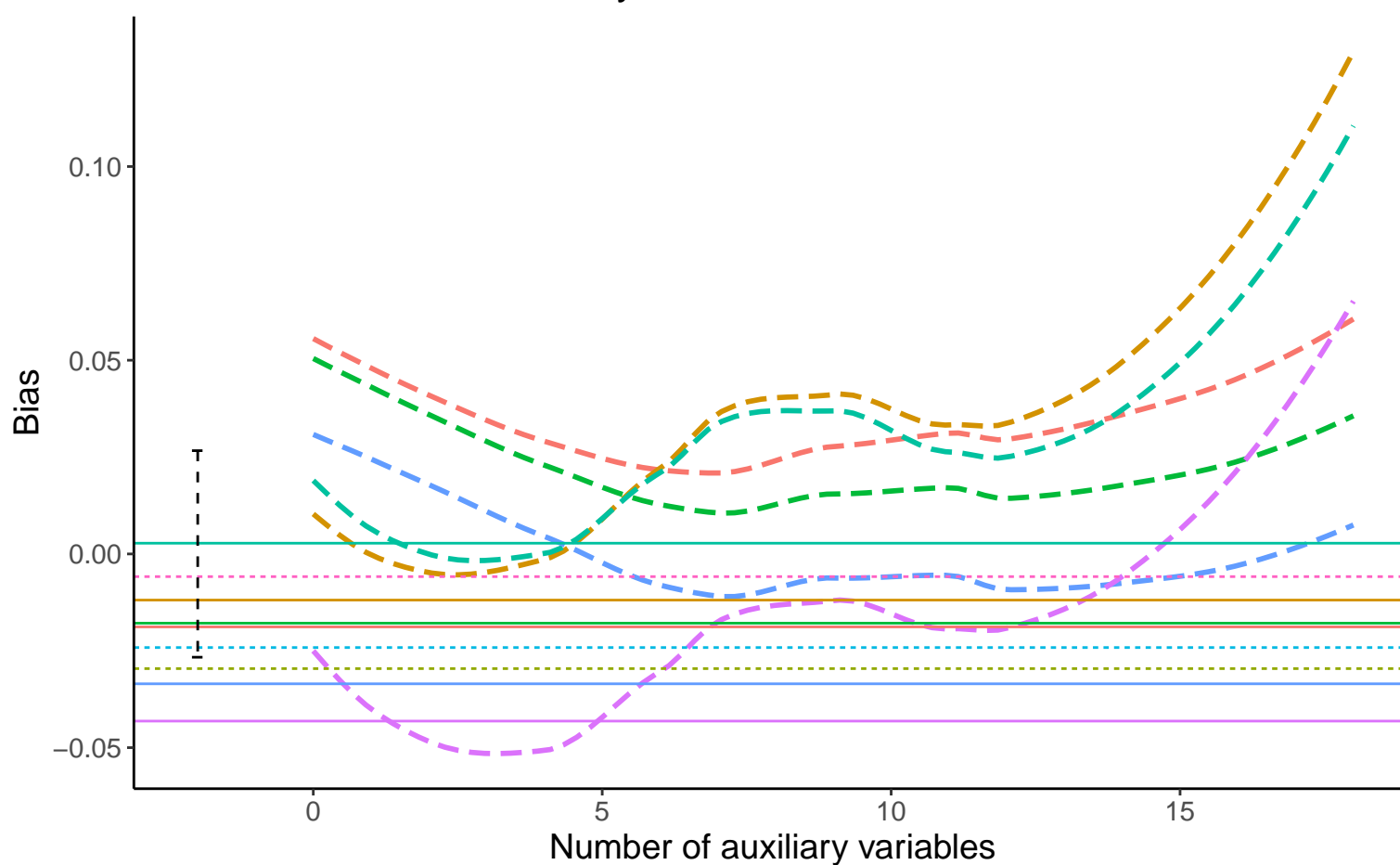
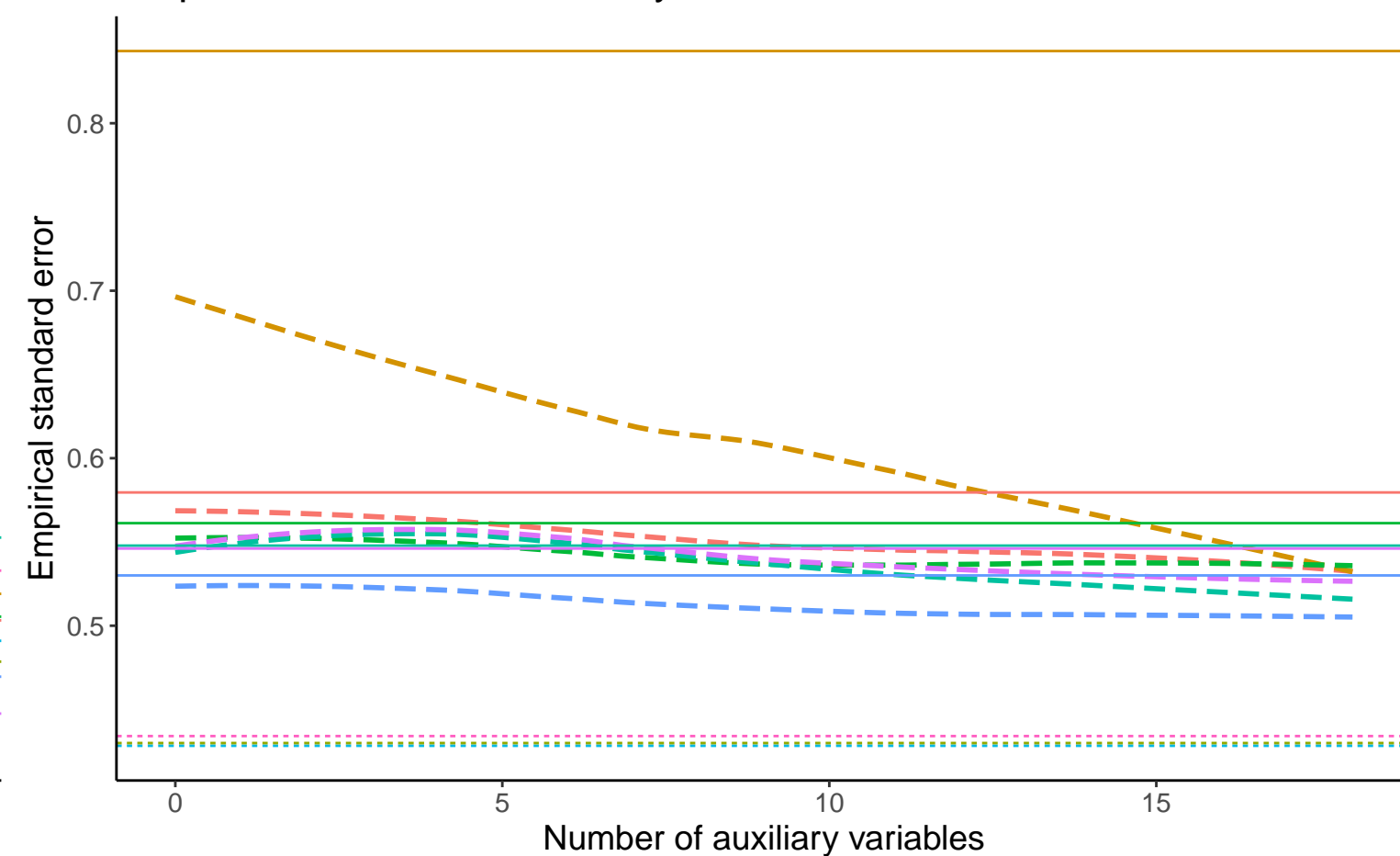


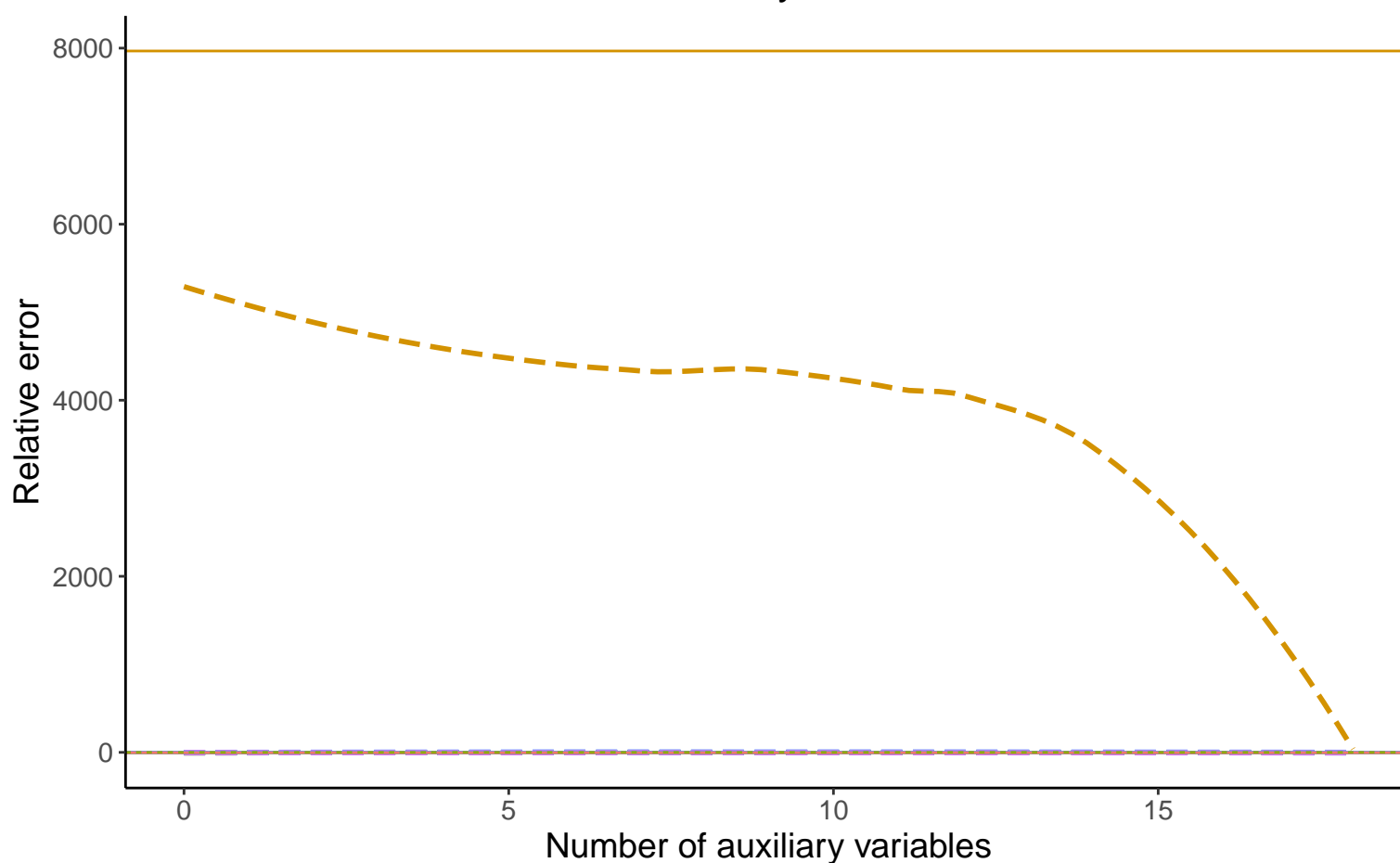
Bias vs number of auxiliary variables



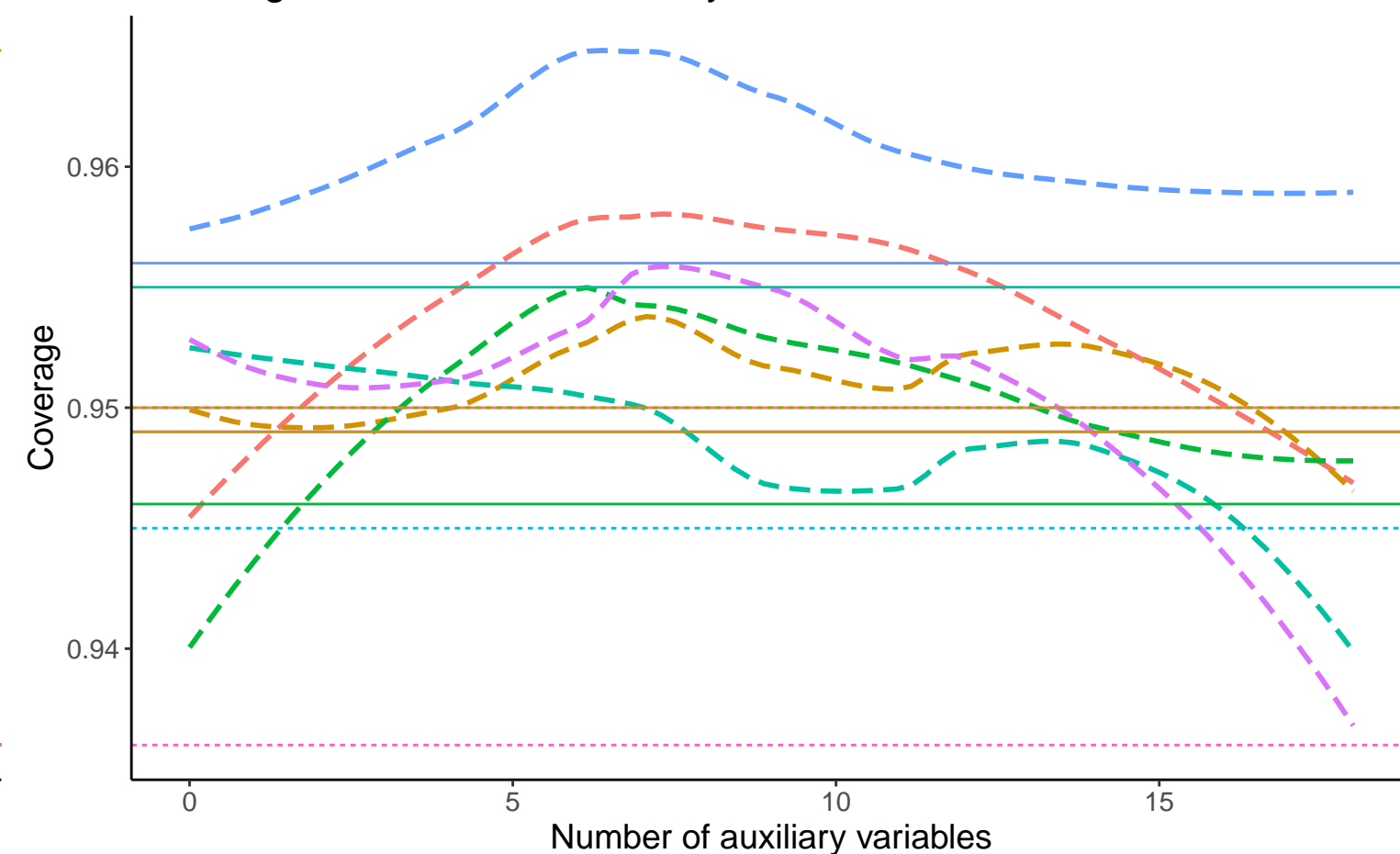
EmpSE vs number of auxiliary variables



Relative error vs number of auxiliary variables



Coverage vs number of auxiliary variables



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

— Binary A, Cov:0.2, Betas:  $(-0.25, -0.5, 0)$ , %Mis:0.4, Mech:MAR    — Binary A, Cov:0.2, Betas:  $(-0.25, -0.5, 0)$ , %Mis:0.4, Mech:MCAR    — Binary A, Cov:0.2, Betas:  $(-0.25, -0.5, 0)$ , %Mis:0.4, Mech:N/A  
 — Binary A, Cov:0.2, Betas:  $(0, -0.5, 0)$ , %Mis:0.4, Mech:MAR    — Binary A, Cov:0.2, Betas:  $(0, -0.5, 0)$ , %Mis:0.4, Mech:MCAR    — Binary A, Cov:0.2, Betas:  $(0, -0.5, 0)$ , %Mis:0.4, Mech:N/A  
 — Binary A, Cov:0.2, Betas:  $(0.25, -0.5, 0)$ , %Mis:0.4, Mech:MAR    — Binary A, Cov:0.2, Betas:  $(0.25, -0.5, 0)$ , %Mis:0.4, Mech:MCAR    — Binary A, Cov:0.2, Betas:  $(0.25, -0.5, 0)$ , %Mis:0.4, Mech:N/A