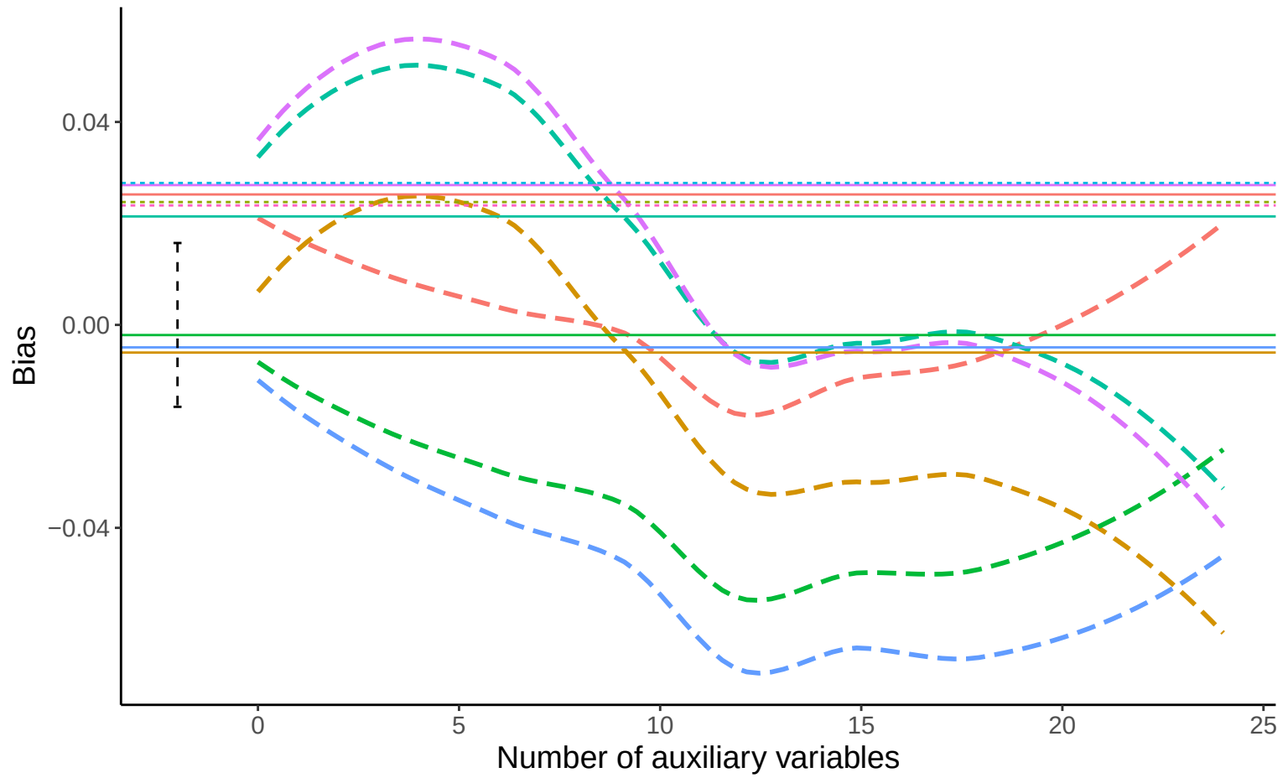
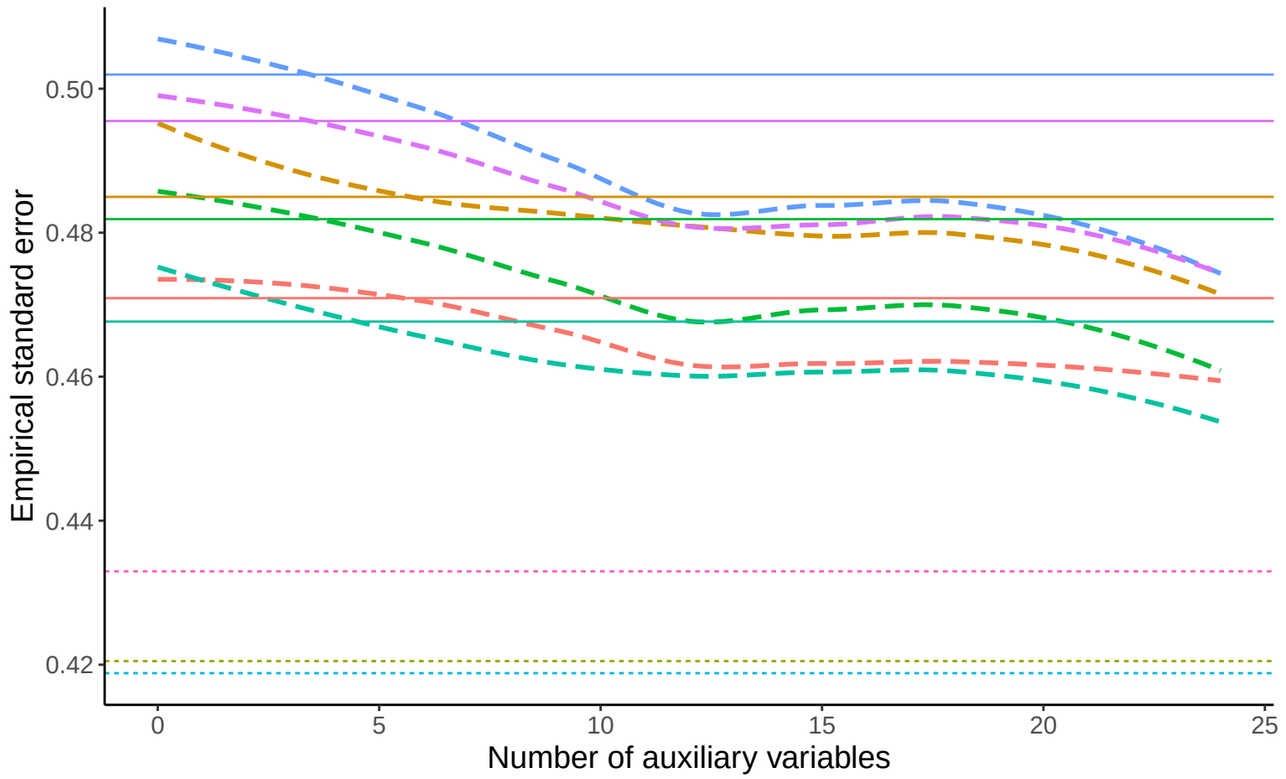
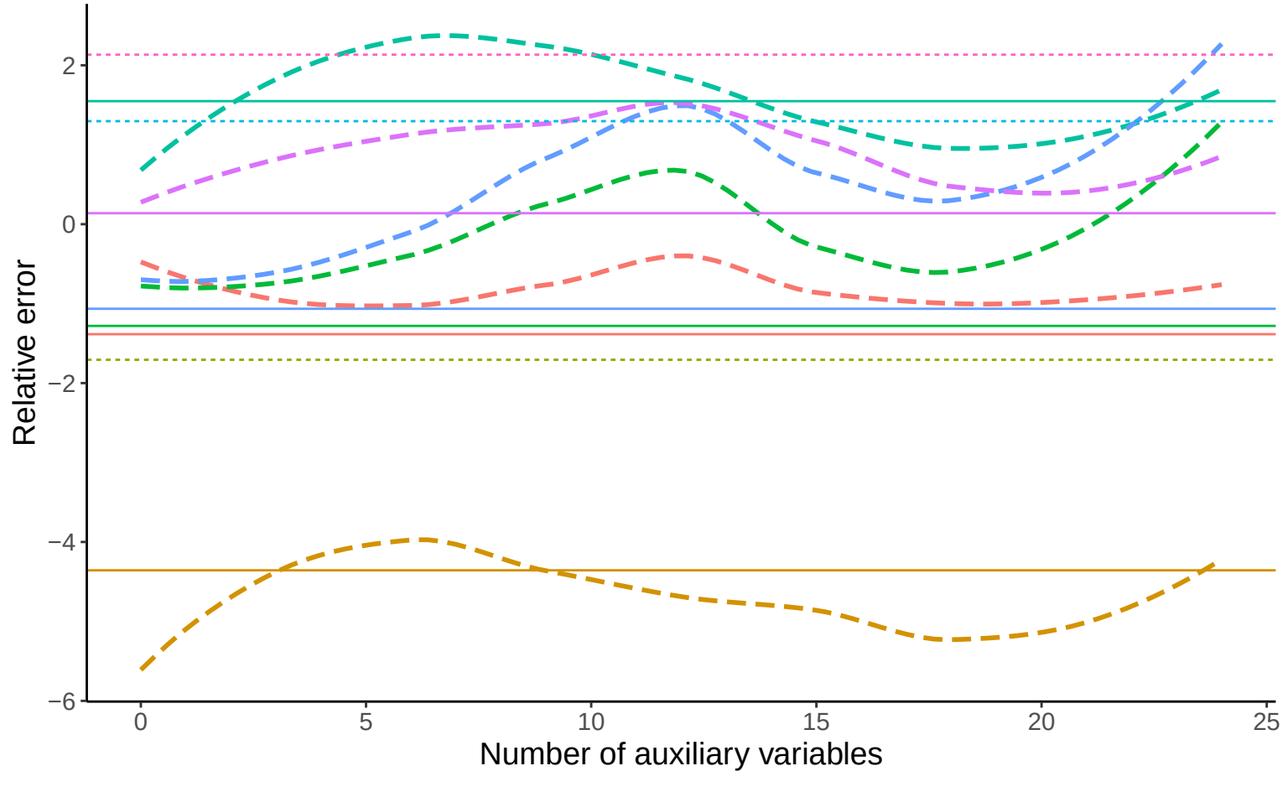
## Bias vs number of auxiliary variables



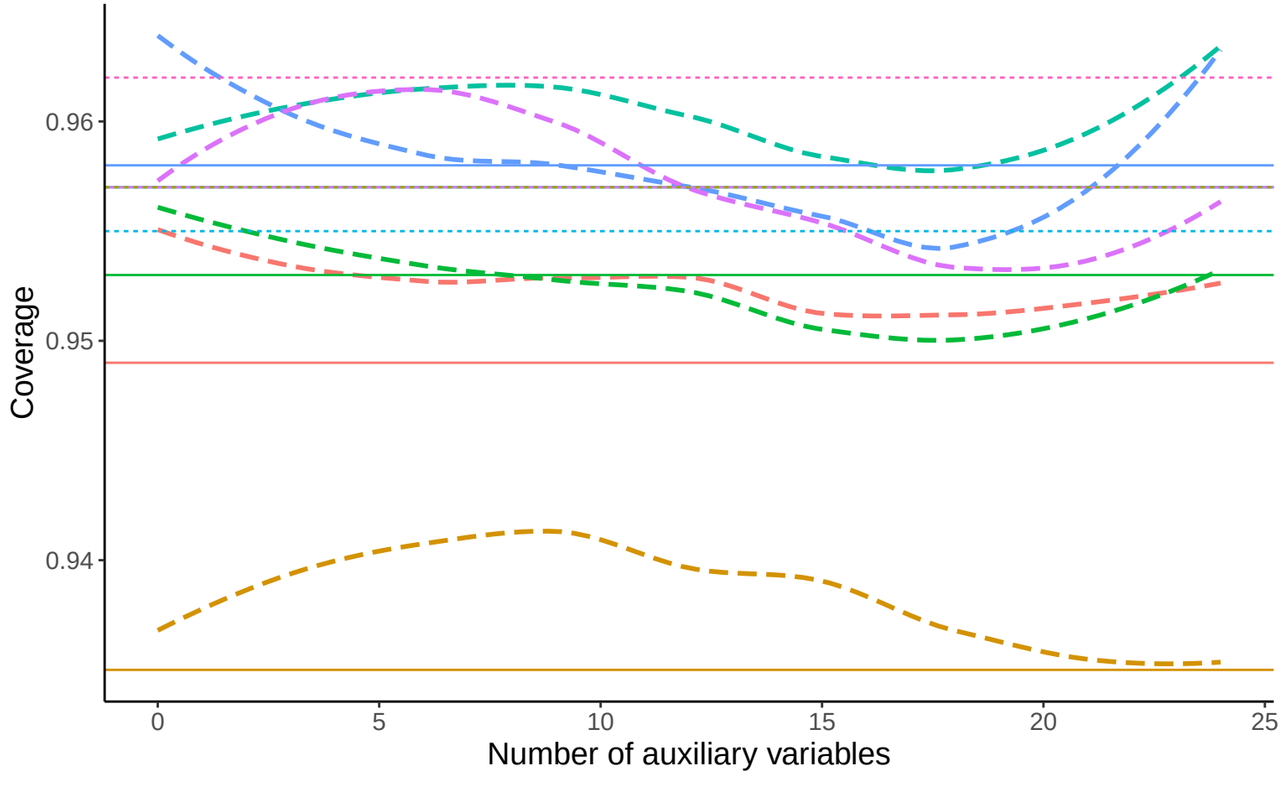

## EmpSE vs number of auxiliary variables




## 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, Betas: (−0.25,0.5,0.02), %Mis:0.2, Mech:MAR
Binary A, Cov:0, Betas: (−0.25,0.5,0.02), %Mis:0.2, Mech:MCAR
Binary A, Cov:0, Betas: (−0.25,0.5,0.02), %Mis:0.2, Mech:N/A
Binary A, Cov:0, Betas: (0,0.5,0.02), %Mis:0.2, Mech:MAR
Binary A, Cov:0, Betas: (0,0.5,0.02), %Mis:0.2, Mech:MCAR
Binary A, Cov:0, Betas: (0,0.5,0.02), %Mis:0.2, Mech:N/A
Binary A, Cov:0, Betas: (0.25,0.5,0.02), %Mis:0.2, Mech:MAR
Binary A, Cov:0, Betas: (0.25,0.5,0.02), %Mis:0.2, Mech:MCAR
Binary A, Cov:0, Betas: (0.25,0.5,0.02), %Mis:0.2, Mech:N/A