Simulations

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## Simulation 1

## false em mse true em mse treatment mse  
## glmm oracle 0.000000e+00 0.002548953 0.007921195  
## glmm full 2.441811e-03 0.003234705 0.007196281  
## naive step 1.701701e-03 0.002930300 0.007485015  
## naive lasso 2.016351e-04 0.007496432 0.007674520  
## glmmLasso 1.404173e-05 0.129799933 0.114719810  
## patient specific trt mse continuous EM se binary EM se  
## glmm oracle 0.006383638 0.05437756 0.05399493  
## glmm full 0.015053686 0.06105911 0.05504747  
## naive step 0.012796305 0.05574680 0.05423154  
## naive lasso 0.011401910 NaN NaN  
## glmmLasso 0.184439526 NaN NaN  
## treatment se  
## glmm oracle 0.08941304  
## glmm full 0.08885422  
## naive step 0.05398103  
## naive lasso NaN  
## glmmLasso NaN

## false em mse true em mse treatment mse patient specific trt mse  
## bayesLASSO 0.0011132117 0.008084808 0.006967047 0.01449107  
## SSVS 0.0005753918 0.004673107 0.007392665 0.01011933  
## continuous EM se binary EM se treatment se  
## bayesLASSO 0.06059281 0.05720207 0.1387766  
## SSVS 0.06015666 0.05552784 0.1454663

## Simulation 2

## false em mse true em mse treatment mse  
## glmm oracle 0.000000e+00 0.002548953 0.007921195  
## glmm full 2.441811e-03 0.003234705 0.007196281  
## naive step 1.701701e-03 0.002930300 0.007485015  
## naive lasso 2.044268e-04 0.007417072 0.007671556  
## glmmLasso 1.775663e-05 0.283247236 0.119619034  
## patient specific trt mse continuous EM se binary EM se  
## glmm oracle 0.006383638 0.05437756 0.05399493  
## glmm full 0.015053686 0.06105911 0.05504747  
## naive step 0.012796305 0.05574680 0.05423154  
## naive lasso 0.011339171 NaN NaN  
## glmmLasso 0.333800599 NaN NaN  
## treatment se  
## glmm oracle 0.08941304  
## glmm full 0.08885422  
## naive step 0.05398103  
## naive lasso NaN  
## glmmLasso NaN

## false em mse true em mse treatment mse patient specific trt mse  
## bayesLASSO 0.0015396569 0.005195903 0.007124128 0.01363825  
## SSVS 0.0008554702 0.003654083 0.007235240 0.01017420  
## continuous EM se binary EM se treatment se  
## bayesLASSO 0.06000426 0.05600651 0.1416788  
## SSVS 0.05881196 0.05489858 0.1433650

## Simulation 3

## Simulation 4