Simulations

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16 August 2019

## Simulation 1

## false em mse true em mse treatment mse  
## glmm oracle 0.000000e+00 0.002907829 0.01154284  
## glmm full 3.197482e-03 0.003371513 0.01155221  
## naive step 1.934953e-03 0.003207245 0.01166078  
## naive lasso 9.150314e-04 0.005714990 0.01164151  
## ridge 2.645470e-03 0.004899424 0.01164287  
## glmmLasso 3.628724e-05 0.114010866 0.12949226  
## patient specific trt mse continuous EM se binary EM se  
## glmm oracle 0.008720227 0.05302434 0.05287569  
## glmm full 0.020173163 0.05915827 0.05388618  
## naive step 0.015956222 0.05450465 0.05338846  
## naive lasso 0.014757486 NaN NaN  
## ridge 0.019831881 NaN NaN  
## glmmLasso 0.178286791 NaN NaN  
## treatment se  
## glmm oracle 0.10055944  
## glmm full 0.10048636  
## naive step 0.05311881  
## naive lasso NaN  
## ridge NaN  
## glmmLasso NaN

## false em mse true em mse treatment mse patient specific trt mse  
## bayesLASSO 0.0015781803 0.004551273 0.01158442 0.01586624  
## SSVS 0.0009830829 0.003444073 0.01157227 0.01283533  
## continuous EM se binary EM se treatment se  
## bayesLASSO 0.05897197 0.05518791 0.1572192  
## SSVS 0.05780245 0.05404711 0.1574310

## Simulation 2

## false em mse true em mse treatment mse  
## glmm oracle 0.000000e+00 0.002907829 0.01154284  
## glmm full 3.197482e-03 0.003371513 0.01155221  
## naive step 1.934953e-03 0.003207245 0.01166078  
## naive lasso 9.128853e-04 0.005720673 0.01164194  
## ridge 2.879898e-03 0.005259184 0.01164225  
## glmmLasso 5.895511e-05 0.262565633 0.11294478  
## patient specific trt mse continuous EM se binary EM se  
## glmm oracle 0.008720226 0.05302434 0.05287569  
## glmm full 0.020173163 0.05915827 0.05388618  
## naive step 0.015956222 0.05450465 0.05338846  
## naive lasso 0.014758842 NaN NaN  
## ridge 0.020875015 NaN NaN  
## glmmLasso 0.315819700 NaN NaN  
## treatment se  
## glmm oracle 0.10055940  
## glmm full 0.10048638  
## naive step 0.05311881  
## naive lasso NaN  
## ridge NaN  
## glmmLasso NaN

## false em mse true em mse treatment mse patient specific trt mse  
## bayesLASSO 0.002138496 0.003655771 0.01156728 0.01696909  
## SSVS 0.001317152 0.003188789 0.01156041 0.01378281  
## continuous EM se binary EM se treatment se  
## bayesLASSO 0.05894961 0.05450091 0.1576997  
## SSVS 0.05711641 0.05382409 0.1572794

## Simulation 3

## Simulation 4