Simulations

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## Simulation 1

## false em mse true em mse treatment mse continuous EM se  
## glmm oracle 0.000000000 0.002907829 0.01154284 0.05302434  
## glmm full 0.003197482 0.003371513 0.01155221 0.05915827  
## naive step 0.001934953 0.003207245 0.01166078 0.05450465  
## naive lasso 0.000611552 0.004246812 0.01159456 0.05802670  
## glmmLasso 0.003212906 0.003381281 0.01157903 NaN  
## binary EM se treatment se  
## glmm oracle 0.05287569 0.10055944  
## glmm full 0.05388618 0.10048636  
## naive step 0.05338846 0.05311881  
## naive lasso 0.05521758 0.05369296  
## glmmLasso NaN NaN

## false em mse true em mse treatment mse continuous EM se  
## bayesLASSO 0.0017336691 0.003370531 0.01156269 0.05818047  
## SSVS 0.0008313617 0.003100411 0.01154990 0.05681125  
## binary EM se treatment se  
## bayesLASSO 0.05406870 0.1574317  
## SSVS 0.05274419 0.1579772

## Simulation 2

## false em mse true em mse treatment mse continuous EM se  
## glmm oracle 0.0000000000 0.002907829 0.01154284 0.05302434  
## glmm full 0.0031974821 0.003371513 0.01155221 0.05915827  
## naive step 0.0019349526 0.003207245 0.01166078 0.05450465  
## naive lasso 0.0006132072 0.004245815 0.01159415 0.05805413  
## glmmLasso 0.0032129058 0.003381281 0.01157903 NaN  
## binary EM se treatment se  
## glmm oracle 0.05287569 0.10055940  
## glmm full 0.05388618 0.10048638  
## naive step 0.05338846 0.05311881  
## naive lasso 0.05520533 0.05369081  
## glmmLasso NaN NaN

## false em mse true em mse treatment mse continuous EM se  
## bayesLASSO 0.0019768971 0.003335091 0.01153255 0.05842496  
## SSVS 0.0009762099 0.003128641 0.01151950 0.05639685  
## binary EM se treatment se  
## bayesLASSO 0.05418492 0.1576104  
## SSVS 0.05334431 0.1577368

## Simulation 3

## false em mse true em mse treatment mse continuous EM se  
## glmm oracle 0.000000000 0.08879536 0.09686577 0.2834091  
## glmm full 0.097668011 0.11614575 0.13694478 0.3238494  
## naive step 0.056854942 0.13533175 0.13431140 0.2947208  
## naive lasso 0.006637681 0.08055751 0.08022252 0.2230037  
## glmmLasso 0.097634178 0.11611903 0.13683914 NaN  
## binary EM se treatment se  
## glmm oracle 0.2820434 0.2864990  
## glmm full 0.3011922 0.3120328  
## naive step 0.2840612 0.2861093  
## naive lasso 0.2609490 0.2995251  
## glmmLasso NaN NaN

## false em mse true em mse treatment mse continuous EM se  
## bayesLASSO 0.01197441 0.04603603 0.1053424 0.2048385  
## SSVS 0.01282466 0.06353666 0.1131668 0.2357572  
## binary EM se treatment se  
## bayesLASSO 0.2393023 0.3982140  
## SSVS 0.2639730 0.4041819

## Simulation 4

## false em mse true em mse treatment mse continuous EM se  
## glmm oracle 0.000000000 0.1053531 0.10575473 0.3089446  
## glmm full 0.112490496 0.1461541 0.14782810 0.3537122  
## naive step 0.065677379 0.1648199 0.14093892 0.3207950  
## naive lasso 0.008280351 0.1551535 0.09168104 0.2864440  
## glmmLasso 0.112309093 0.1451628 0.14800502 NaN  
## binary EM se treatment se  
## glmm oracle 0.3088448 0.3044232  
## glmm full 0.3366512 0.3312640  
## naive step 0.3145547 0.3061246  
## naive lasso 0.3304792 0.3180492  
## glmmLasso NaN NaN

## false em mse true em mse treatment mse continuous EM se  
## bayesLASSO 0.01790010 0.1017614 0.1327928 0.2657215  
## SSVS 0.01775946 0.1162626 0.1370024 0.3088396  
## binary EM se treatment se  
## bayesLASSO 0.3054580 0.4178013  
## SSVS 0.3227658 0.4247837