Variable selection in individual patient data meta-analysis - stent dataset

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## glmm\_null

## Generalized linear mixed model fit by maximum likelihood (Laplace  
## Approximation) [glmerMod]  
## Family: binomial ( logit )  
## Formula: y ~ -1 + studyid + treat + (-1 + treat | studyid)  
## Data: mydata  
##   
## AIC BIC logLik deviance df.resid   
## 4285.6 4358.7 -2132.8 4265.6 11096   
##   
## Scaled residuals:   
## Min 1Q Median 3Q Max   
## -0.3634 -0.2931 -0.2288 -0.1224 10.4429   
##   
## Random effects:  
## Groups Name Variance Std.Dev.  
## studyid treat 4e-14 2e-07   
## Number of obs: 11106, groups: studyid, 8  
##   
## Fixed effects:  
## Estimate Std. Error z value Pr(>|z|)   
## studyid1 -4.58259 0.32042 -14.302 < 2e-16 \*\*\*  
## studyid2 -3.64941 0.17153 -21.276 < 2e-16 \*\*\*  
## studyid3 -3.39424 0.71959 -4.717 2.39e-06 \*\*\*  
## studyid4 -2.84093 0.13030 -21.804 < 2e-16 \*\*\*  
## studyid5 -2.45447 0.14615 -16.794 < 2e-16 \*\*\*  
## studyid6 -4.09086 0.17934 -22.810 < 2e-16 \*\*\*  
## studyid7 -2.38974 0.08599 -27.792 < 2e-16 \*\*\*  
## studyid8 -2.02451 0.09040 -22.396 < 2e-16 \*\*\*  
## treat -0.10926 0.08704 -1.255 0.209   
## ---  
## Signif. codes: 0 '\*\*\*' 0.001 '\*\*' 0.01 '\*' 0.05 '.' 0.1 ' ' 1  
##   
## Correlation of Fixed Effects:  
## stdyd1 stdyd2 stdyd3 stdyd4 stdyd5 stdyd6 stdyd7 stdyd8  
## studyid2 0.031   
## studyid3 0.008 0.015   
## studyid4 0.055 0.104 0.026   
## studyid5 0.036 0.068 0.017 0.120   
## studyid6 0.040 0.076 0.019 0.133 0.088   
## studyid7 0.062 0.117 0.029 0.207 0.136 0.151   
## studyid8 0.059 0.112 0.028 0.197 0.130 0.144 0.223   
## treat -0.128 -0.242 -0.060 -0.427 -0.282 -0.312 -0.484 -0.461  
## convergence code: 0  
## boundary (singular) fit: see ?isSingular

## glmm\_full

## Generalized linear mixed model fit by maximum likelihood (Laplace  
## Approximation) [glmerMod]  
## Family: binomial ( logit )  
## Formula:   
## y ~ -1 + studyid + (age + gender + diabetes + stable\_cad + multivessel +   
## ladtreated + overlap + m\_dia\_above\_3 + num\_stent) \* treat +   
## (-1 + treat | studyid)  
## Data: mydata  
##   
## AIC BIC logLik deviance df.resid   
## 4107.3 4312.1 -2025.7 4051.3 11078   
##   
## Scaled residuals:   
## Min 1Q Median 3Q Max   
## -1.0069 -0.2692 -0.1763 -0.1087 23.0529   
##   
## Random effects:  
## Groups Name Variance Std.Dev.  
## studyid treat 0 0   
## Number of obs: 11106, groups: studyid, 8  
##   
## Fixed effects:  
## Estimate Std. Error z value Pr(>|z|)   
## studyid1 -4.24680 0.44258 -9.596 < 2e-16 \*\*\*  
## studyid2 -3.72219 0.35186 -10.578 < 2e-16 \*\*\*  
## studyid3 -3.17546 0.79820 -3.978 6.94e-05 \*\*\*  
## studyid4 -3.18774 0.32764 -9.729 < 2e-16 \*\*\*  
## studyid5 -3.43955 0.35097 -9.800 < 2e-16 \*\*\*  
## studyid6 -3.94842 0.35499 -11.123 < 2e-16 \*\*\*  
## studyid7 -2.89090 0.31913 -9.059 < 2e-16 \*\*\*  
## studyid8 -2.45982 0.32052 -7.674 1.66e-14 \*\*\*  
## age 0.69780 0.08861 7.874 3.42e-15 \*\*\*  
## gender -0.02156 0.13541 -0.159 0.873500   
## diabetes 0.47900 0.13357 3.586 0.000335 \*\*\*  
## stable\_cad -0.55839 0.15087 -3.701 0.000215 \*\*\*  
## multivessel 0.29874 0.14442 2.068 0.038594 \*   
## ladtreated 0.19714 0.13055 1.510 0.131032   
## overlap 0.40622 0.18010 2.256 0.024099 \*   
## m\_dia\_above\_3 -0.28613 0.26164 -1.094 0.274123   
## num\_stent 0.01664 0.06719 0.248 0.804373   
## treat -0.13118 0.46924 -0.280 0.779809   
## age:treat -0.08491 0.11465 -0.741 0.458964   
## gender:treat 0.04891 0.19089 0.256 0.797795   
## diabetes:treat -0.08001 0.18604 -0.430 0.667144   
## stable\_cad:treat 0.11490 0.20368 0.564 0.572683   
## multivessel:treat -0.17642 0.18762 -0.940 0.347051   
## ladtreated:treat -0.36910 0.18037 -2.046 0.040721 \*   
## overlap:treat -0.04250 0.25374 -0.167 0.866983   
## m\_dia\_above\_3:treat 0.52584 0.40678 1.293 0.196121   
## num\_stent:treat -0.07743 0.09752 -0.794 0.427231   
## ---  
## Signif. codes: 0 '\*\*\*' 0.001 '\*\*' 0.01 '\*' 0.05 '.' 0.1 ' ' 1  
## convergence code: 0  
## boundary (singular) fit: see ?isSingular

## naive step

##   
## Call:  
## glm(formula = y ~ age + diabetes + stable\_cad + multivessel +   
## ladtreated + overlap + num\_stent + treat + ladtreated:treat +   
## num\_stent:treat, family = binomial(link = "logit"), data = mydata)  
##   
## Deviance Residuals:   
## Min 1Q Median 3Q Max   
## -1.0062 -0.3717 -0.2657 -0.1836 3.4074   
##   
## Coefficients:  
## Estimate Std. Error z value Pr(>|z|)   
## (Intercept) -3.50570 0.14098 -24.867 < 2e-16 \*\*\*  
## age 0.80568 0.05549 14.520 < 2e-16 \*\*\*  
## diabetes 0.50648 0.09200 5.505 3.69e-08 \*\*\*  
## stable\_cad -0.47178 0.10081 -4.680 2.87e-06 \*\*\*  
## multivessel 0.15495 0.09274 1.671 0.094751 .   
## ladtreated 0.24448 0.12826 1.906 0.056637 .   
## overlap 0.48461 0.12567 3.856 0.000115 \*\*\*  
## num\_stent 0.05435 0.05721 0.950 0.342126   
## treat 0.25083 0.17809 1.408 0.159006   
## ladtreated:treat -0.33647 0.17769 -1.894 0.058279 .   
## num\_stent:treat -0.11165 0.07431 -1.503 0.132948   
## ---  
## Signif. codes: 0 '\*\*\*' 0.001 '\*\*' 0.01 '\*' 0.05 '.' 0.1 ' ' 1  
##   
## (Dispersion parameter for binomial family taken to be 1)  
##   
## Null deviance: 4565.3 on 11105 degrees of freedom  
## Residual deviance: 4176.2 on 11095 degrees of freedom  
## AIC: 4198.2  
##   
## Number of Fisher Scoring iterations: 6

## naive lasso

## 20 x 1 sparse Matrix of class "dgCMatrix"  
## 1  
## (Intercept) -2.7827729  
## age .   
## gender .   
## diabetes .   
## stable\_cad .   
## multivessel .   
## ladtreated .   
## overlap .   
## m\_dia\_above\_3 .   
## num\_stent .   
## treat -0.2104127  
## age:treat .   
## gender:treat .   
## diabetes:treat .   
## stable\_cad:treat .   
## multivessel:treat .   
## ladtreated:treat .   
## overlap:treat .   
## m\_dia\_above\_3:treat .   
## num\_stent:treat .

## glmmLasso

## [1] "Iteration 1"  
## [1] "Iteration 2"  
## [1] "Iteration 3"  
## [1] "Iteration 4"  
## [1] "Iteration 5"  
## [1] "Iteration 6"  
## [1] "Iteration 7"  
## [1] "Iteration 8"  
## [1] "Iteration 9"  
## [1] "Iteration 10"  
## [1] "Iteration 11"  
## [1] "Iteration 12"  
## [1] "Iteration 13"  
## [1] "Iteration 14"  
## [1] "Iteration 15"  
## [1] "Iteration 16"  
## [1] "Iteration 17"  
## [1] "Iteration 18"  
## [1] "Iteration 19"  
## Warning:  
## Algorithm did not converge!  
## [1] "Iteration 20"  
## [1] "Iteration 21"  
## [1] 7679.918 7613.524 7622.148 7865.139 6779.865 7372.107 7077.315  
## [8] 6532.467 6314.481 6643.799 7275.259 7538.815 7994.287 7948.349  
## [15] 7580.335 8346.291 8469.076 9088.079 13160.079 9569.288 7773.873  
## [1] "optimal lambda value is 60"

## Call:  
## glmmLasso(fix = form.fixed, rnd = form.rnd, data = data\_glmmLasso\_train,   
## lambda = lambda[opt2], family = family, final.re = FALSE,   
## control = list(index = c(NA, 1:((dim(data\_glmmLasso)[2] -   
## 3)), NA)))  
##   
##   
## Fixed Effects:  
##   
## Coefficients:  
## Estimate StdErr z.value p.value  
## (Intercept) -3.1270338 NA NA NA  
## age 0.3089560 NA NA NA  
## gender -0.0217220 NA NA NA  
## diabetes 0.1479460 NA NA NA  
## stable\_cad -0.1791584 NA NA NA  
## multivessel 0.0353541 NA NA NA  
## ladtreated 0.0187194 NA NA NA  
## overlap 0.2278921 NA NA NA  
## m\_dia\_above\_3 0.0000000 NA NA NA  
## num\_stent 0.0158728 NA NA NA  
## age\_treat 0.0477836 NA NA NA  
## gender\_treat 0.0057484 NA NA NA  
## diabetes\_treat 0.0000000 NA NA NA  
## stable\_cad\_treat -0.0368493 NA NA NA  
## multivessel\_treat 0.0000000 NA NA NA  
## ladtreated\_treat 0.0000000 NA NA NA  
## overlap\_treat 0.0000000 NA NA NA  
## m\_dia\_above\_3\_treat 0.0000000 NA NA NA  
## num\_stent\_treat 0.0000000 NA NA NA  
## as.factor(studyid)2 -0.2851762 NA NA NA  
## as.factor(studyid)3 -0.3682810 NA NA NA  
## as.factor(studyid)4 0.1658545 NA NA NA  
## as.factor(studyid)5 0.2334019 NA NA NA  
## as.factor(studyid)6 -0.6267369 NA NA NA  
## as.factor(studyid)7 0.4687527 NA NA NA  
## as.factor(studyid)8 0.8618851 NA NA NA  
## treat -0.1454213 NA NA NA  
##   
## Random Effects:  
##   
## StdDev:  
## treat:studyid  
## treat:studyid 0.1014203

## Bayes Lasso

##   
## Parallel computation in progress

##   
## Iterations = 1101:11100  
## Thinning interval = 1   
## Number of chains = 3   
## Sample size per chain = 10000   
##   
## 1. Empirical mean and standard deviation for each variable,  
## plus standard error of the mean:  
##   
## Mean SD Naive SE Time-series SE  
## alpha[1] -4.522e+00 4.200e-01 2.425e-03 1.043e-02  
## alpha[2] -3.827e+00 2.751e-01 1.589e-03 8.703e-03  
## alpha[3] -3.635e+00 8.577e-01 4.952e-03 1.077e-02  
## alpha[4] -3.270e+00 2.535e-01 1.464e-03 9.350e-03  
## alpha[5] -3.631e+00 2.882e-01 1.664e-03 1.022e-02  
## alpha[6] -4.032e+00 2.987e-01 1.724e-03 9.846e-03  
## alpha[7] -3.024e+00 2.304e-01 1.330e-03 9.531e-03  
## alpha[8] -2.603e+00 2.286e-01 1.320e-03 9.222e-03  
## beta[1] 6.700e-01 8.330e-02 4.809e-04 1.606e-03  
## beta[2] -1.813e-02 9.484e-02 5.476e-04 1.739e-03  
## beta[3] 3.929e-01 1.178e-01 6.803e-04 1.723e-03  
## beta[4] -4.489e-01 1.280e-01 7.389e-04 1.695e-03  
## beta[5] 2.010e-01 1.233e-01 7.119e-04 2.381e-03  
## beta[6] 9.149e-02 1.068e-01 6.169e-04 1.969e-03  
## beta[7] 2.945e-01 1.477e-01 8.526e-04 2.445e-03  
## beta[8] -4.527e-02 1.506e-01 8.694e-04 5.153e-03  
## beta[9] 4.327e-02 5.524e-02 3.190e-04 1.487e-03  
## d[1] 0.000e+00 0.000e+00 0.000e+00 0.000e+00  
## d[2] 1.088e-01 3.209e-01 1.853e-03 2.112e-02  
## g[1] -6.260e-02 1.006e-01 5.809e-04 1.926e-03  
## g[2] 3.308e-02 1.260e-01 7.277e-04 2.289e-03  
## g[3] -7.237e-04 1.312e-01 7.577e-04 1.805e-03  
## g[4] 5.907e-03 1.392e-01 8.036e-04 1.786e-03  
## g[5] -7.998e-02 1.428e-01 8.244e-04 2.661e-03  
## g[6] -2.117e-01 1.530e-01 8.833e-04 2.870e-03  
## g[7] 6.104e-03 1.556e-01 8.986e-04 2.171e-03  
## g[8] 1.203e-01 2.122e-01 1.225e-03 8.371e-03  
## g[9] -8.311e-02 7.606e-02 4.391e-04 1.937e-03  
## tauDelta 8.243e+03 2.529e+05 1.460e+03 5.705e+03  
##   
## 2. Quantiles for each variable:  
##   
## 2.5% 25% 50% 75% 97.5%  
## alpha[1] -5.40839 -4.783587 -4.4996730 -4.236822 -3.759e+00  
## alpha[2] -4.37243 -4.012773 -3.8258677 -3.639467 -3.291e+00  
## alpha[3] -5.52232 -4.154110 -3.5557667 -3.025529 -2.185e+00  
## alpha[4] -3.76643 -3.442044 -3.2679899 -3.098552 -2.778e+00  
## alpha[5] -4.21379 -3.819791 -3.6275902 -3.434081 -3.079e+00  
## alpha[6] -4.60907 -4.230223 -4.0333381 -3.833731 -3.441e+00  
## alpha[7] -3.47407 -3.178970 -3.0266908 -2.867724 -2.569e+00  
## alpha[8] -3.05434 -2.757099 -2.6021541 -2.447329 -2.159e+00  
## beta[1] 0.51272 0.612385 0.6681102 0.725228 8.374e-01  
## beta[2] -0.21832 -0.076081 -0.0140071 0.041082 1.665e-01  
## beta[3] 0.15989 0.314727 0.3933044 0.472038 6.244e-01  
## beta[4] -0.70174 -0.533777 -0.4472581 -0.363473 -1.997e-01  
## beta[5] -0.01506 0.112971 0.1951019 0.281442 4.601e-01  
## beta[6] -0.09280 0.014653 0.0820120 0.160056 3.188e-01  
## beta[7] 0.01562 0.190819 0.2929863 0.394371 5.908e-01  
## beta[8] -0.35726 -0.133185 -0.0349330 0.046351 2.459e-01  
## beta[9] -0.06221 0.005091 0.0416505 0.080125 1.550e-01  
## d[1] 0.00000 0.000000 0.0000000 0.000000 0.000e+00  
## d[2] -0.56348 -0.093757 0.1135154 0.323259 7.166e-01  
## g[1] -0.27485 -0.126225 -0.0543142 0.005215 1.209e-01  
## g[2] -0.20730 -0.044696 0.0240465 0.107417 3.058e-01  
## g[3] -0.27057 -0.077377 0.0006812 0.078012 2.659e-01  
## g[4] -0.27724 -0.075075 0.0043445 0.086917 2.946e-01  
## g[5] -0.39783 -0.164873 -0.0633291 0.013894 1.722e-01  
## g[6] -0.53523 -0.312364 -0.2017804 -0.099344 4.848e-02  
## g[7] -0.31536 -0.083618 0.0050194 0.097184 3.274e-01  
## g[8] -0.22999 -0.015359 0.0854846 0.231462 6.252e-01  
## g[9] -0.23794 -0.133523 -0.0800686 -0.029069 5.610e-02  
## tauDelta 1.74314 10.027281 32.2962942 145.776459 1.072e+04

## SSVS

##   
## Parallel computation in progress

##   
## Iterations = 1101:11100  
## Thinning interval = 1   
## Number of chains = 3   
## Sample size per chain = 10000   
##   
## 1. Empirical mean and standard deviation for each variable,  
## plus standard error of the mean:  
##   
## Mean SD Naive SE Time-series SE  
## IndA[1] 2.000e+00 5.774e-03 3.333e-05 3.333e-05  
## IndA[2] 1.209e+00 4.064e-01 2.346e-03 4.135e-03  
## IndA[3] 1.992e+00 8.760e-02 5.058e-04 1.512e-03  
## IndA[4] 1.998e+00 4.468e-02 2.579e-04 6.191e-04  
## IndA[5] 1.662e+00 4.729e-01 2.730e-03 1.106e-02  
## IndA[6] 1.333e+00 4.713e-01 2.721e-03 9.588e-03  
## IndA[7] 1.915e+00 2.785e-01 1.608e-03 5.942e-03  
## IndA[8] 1.346e+00 4.758e-01 2.747e-03 1.182e-02  
## IndA[9] 1.173e+00 3.785e-01 2.185e-03 5.067e-03  
## IndA2[1] 1.295e+00 4.561e-01 2.633e-03 6.781e-03  
## IndA2[2] 1.267e+00 4.425e-01 2.555e-03 5.272e-03  
## IndA2[3] 1.307e+00 4.614e-01 2.664e-03 5.564e-03  
## IndA2[4] 1.314e+00 4.639e-01 2.679e-03 5.709e-03  
## IndA2[5] 1.391e+00 4.881e-01 2.818e-03 9.855e-03  
## IndA2[6] 1.583e+00 4.930e-01 2.846e-03 1.110e-02  
## IndA2[7] 1.353e+00 4.780e-01 2.760e-03 6.634e-03  
## IndA2[8] 1.469e+00 4.991e-01 2.881e-03 1.458e-02  
## IndA2[9] 1.273e+00 4.454e-01 2.572e-03 7.592e-03  
## alpha[1] -4.472e+00 4.142e-01 2.391e-03 1.073e-02  
## alpha[2] -3.784e+00 2.598e-01 1.500e-03 7.994e-03  
## alpha[3] -3.561e+00 8.541e-01 4.931e-03 1.082e-02  
## alpha[4] -3.225e+00 2.407e-01 1.390e-03 8.155e-03  
## alpha[5] -3.578e+00 2.740e-01 1.582e-03 8.977e-03  
## alpha[6] -3.987e+00 2.860e-01 1.651e-03 8.673e-03  
## alpha[7] -2.976e+00 2.073e-01 1.197e-03 7.920e-03  
## alpha[8] -2.556e+00 2.165e-01 1.250e-03 8.019e-03  
## beta[1] 6.633e-01 7.581e-02 4.377e-04 1.430e-03  
## beta[2] -2.473e-03 5.896e-02 3.404e-04 9.206e-04  
## beta[3] 4.197e-01 1.083e-01 6.254e-04 1.579e-03  
## beta[4] -4.812e-01 1.169e-01 6.750e-04 1.576e-03  
## beta[5] 1.799e-01 1.466e-01 8.467e-04 4.497e-03  
## beta[6] 5.487e-02 1.002e-01 5.788e-04 2.841e-03  
## beta[7] 3.403e-01 1.545e-01 8.921e-04 3.176e-03  
## beta[8] -3.055e-02 1.320e-01 7.620e-04 5.470e-03  
## beta[9] 1.856e-02 4.365e-02 2.520e-04 1.053e-03  
## d[1] 0.000e+00 0.000e+00 0.000e+00 0.000e+00  
## d[2] 2.932e-02 2.940e-01 1.698e-03 2.087e-02  
## g[1] -4.207e-02 8.184e-02 4.725e-04 1.706e-03  
## g[2] 1.451e-02 8.282e-02 4.782e-04 1.480e-03  
## g[3] -1.120e-02 1.042e-01 6.017e-04 1.681e-03  
## g[4] 1.762e-02 1.099e-01 6.345e-04 1.776e-03  
## g[5] -6.717e-02 1.421e-01 8.204e-04 4.069e-03  
## g[6] -1.614e-01 1.690e-01 9.758e-04 5.029e-03  
## g[7] -2.825e-02 1.340e-01 7.739e-04 2.531e-03  
## g[8] 1.045e-01 2.115e-01 1.221e-03 1.173e-02  
## g[9] -4.513e-02 6.127e-02 3.537e-04 1.604e-03  
## tauDelta 8.193e+03 1.703e+05 9.831e+02 4.896e+03  
##   
## 2. Quantiles for each variable:  
##   
## 2.5% 25% 50% 75% 97.5%  
## IndA[1] 2.00000 2.000000 2.000000 2.000000 2.000e+00  
## IndA[2] 1.00000 1.000000 1.000000 1.000000 2.000e+00  
## IndA[3] 2.00000 2.000000 2.000000 2.000000 2.000e+00  
## IndA[4] 2.00000 2.000000 2.000000 2.000000 2.000e+00  
## IndA[5] 1.00000 1.000000 2.000000 2.000000 2.000e+00  
## IndA[6] 1.00000 1.000000 1.000000 2.000000 2.000e+00  
## IndA[7] 1.00000 2.000000 2.000000 2.000000 2.000e+00  
## IndA[8] 1.00000 1.000000 1.000000 2.000000 2.000e+00  
## IndA[9] 1.00000 1.000000 1.000000 1.000000 2.000e+00  
## IndA2[1] 1.00000 1.000000 1.000000 2.000000 2.000e+00  
## IndA2[2] 1.00000 1.000000 1.000000 2.000000 2.000e+00  
## IndA2[3] 1.00000 1.000000 1.000000 2.000000 2.000e+00  
## IndA2[4] 1.00000 1.000000 1.000000 2.000000 2.000e+00  
## IndA2[5] 1.00000 1.000000 1.000000 2.000000 2.000e+00  
## IndA2[6] 1.00000 1.000000 2.000000 2.000000 2.000e+00  
## IndA2[7] 1.00000 1.000000 1.000000 2.000000 2.000e+00  
## IndA2[8] 1.00000 1.000000 1.000000 2.000000 2.000e+00  
## IndA2[9] 1.00000 1.000000 1.000000 2.000000 2.000e+00  
## alpha[1] -5.34261 -4.731854 -4.454116 -4.186008 -3.703e+00  
## alpha[2] -4.30185 -3.953220 -3.784882 -3.612425 -3.265e+00  
## alpha[3] -5.49093 -4.062458 -3.477687 -2.967118 -2.127e+00  
## alpha[4] -3.69495 -3.386386 -3.225500 -3.066112 -2.745e+00  
## alpha[5] -4.13010 -3.754891 -3.577283 -3.396577 -3.042e+00  
## alpha[6] -4.54062 -4.175960 -3.990808 -3.801729 -3.414e+00  
## alpha[7] -3.38126 -3.110885 -2.977919 -2.848049 -2.542e+00  
## alpha[8] -2.97383 -2.696477 -2.558934 -2.419813 -2.106e+00  
## beta[1] 0.52324 0.611802 0.660328 0.710558 8.246e-01  
## beta[2] -0.12895 -0.032547 -0.002197 0.028256 1.194e-01  
## beta[3] 0.20782 0.349965 0.419618 0.489701 6.352e-01  
## beta[4] -0.71839 -0.556947 -0.479350 -0.403765 -2.570e-01  
## beta[5] -0.03031 0.051839 0.166583 0.285677 4.888e-01  
## beta[6] -0.07670 -0.007842 0.027800 0.087450 3.217e-01  
## beta[7] 0.01288 0.247128 0.350485 0.443037 6.279e-01  
## beta[8] -0.39138 -0.060110 -0.010339 0.027928 2.181e-01  
## beta[9] -0.05954 -0.009322 0.015525 0.042362 1.177e-01  
## d[1] 0.00000 0.000000 0.000000 0.000000 0.000e+00  
## d[2] -0.61056 -0.146241 0.039475 0.226829 5.752e-01  
## g[1] -0.25624 -0.073348 -0.024723 0.008294 7.632e-02  
## g[2] -0.14586 -0.025756 0.007488 0.045212 2.240e-01  
## g[3] -0.27523 -0.044940 -0.004203 0.032078 2.100e-01  
## g[4] -0.20782 -0.029093 0.007565 0.050819 3.019e-01  
## g[5] -0.44209 -0.109971 -0.024215 0.015937 1.307e-01  
## g[6] -0.54754 -0.276667 -0.114520 -0.024297 5.207e-02  
## g[7] -0.37608 -0.061245 -0.010705 0.028487 2.373e-01  
## g[8] -0.20960 -0.014814 0.031924 0.186430 6.558e-01  
## g[9] -0.19949 -0.073521 -0.033922 -0.004645 4.818e-02  
## tauDelta 1.75799 10.147183 31.693844 146.284544 1.777e+04