# netcopula package

Report at 2016-05-06

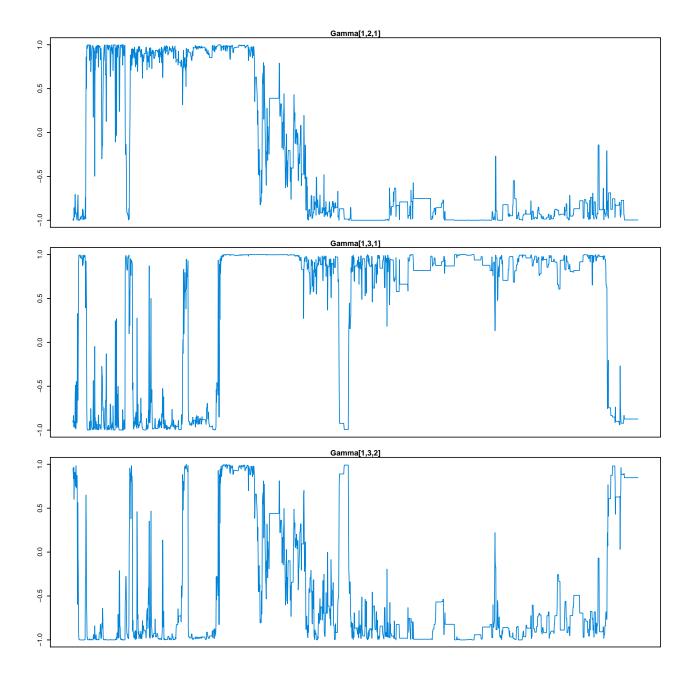
Sergio Venturini

# Using all the data from Achana et al. (2014) (i.e. imputing the missing outcomes)

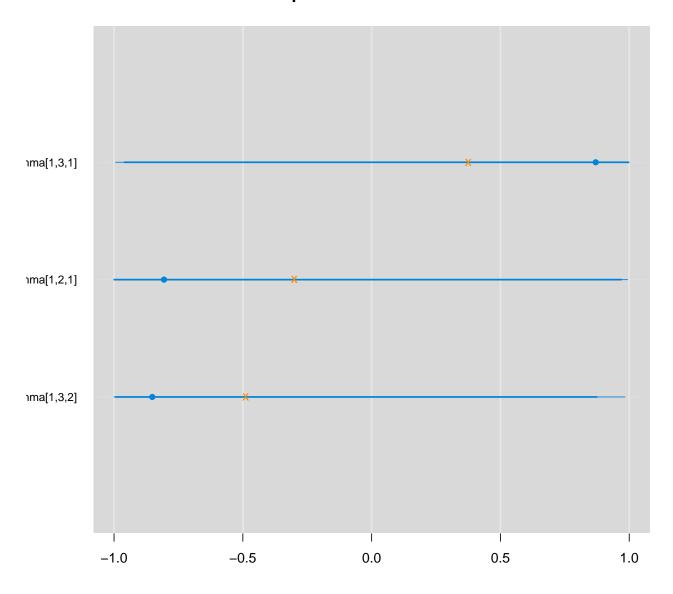
All the latent variables are estimated, that is, we do not use the imputation algorithm.

### $\Gamma$ (outcome copula correlation matrix)

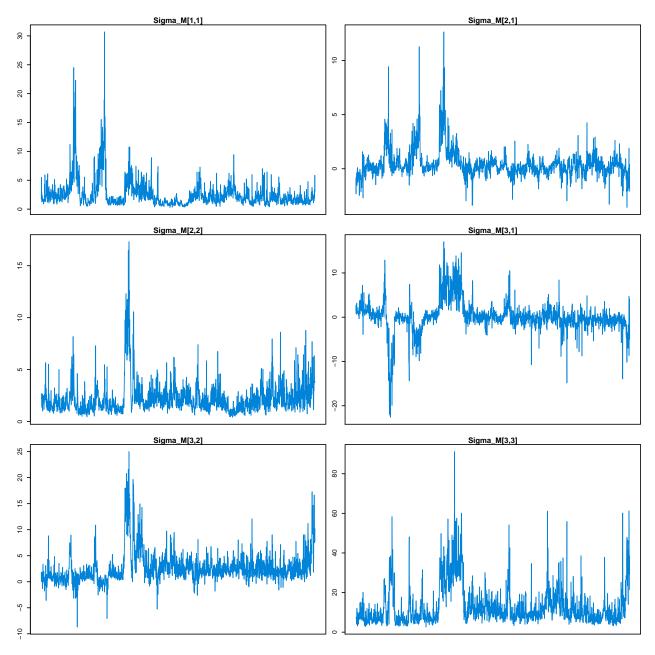
Here, the  $\Gamma$  matrix is estimated.



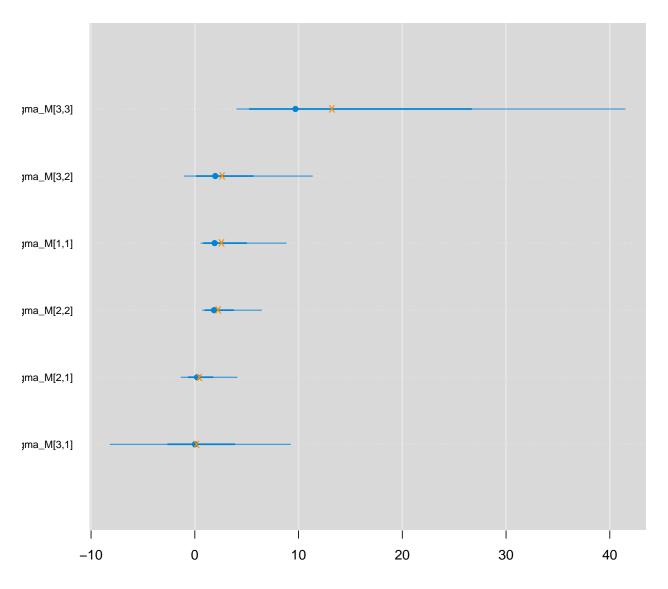
# parameters Gamma

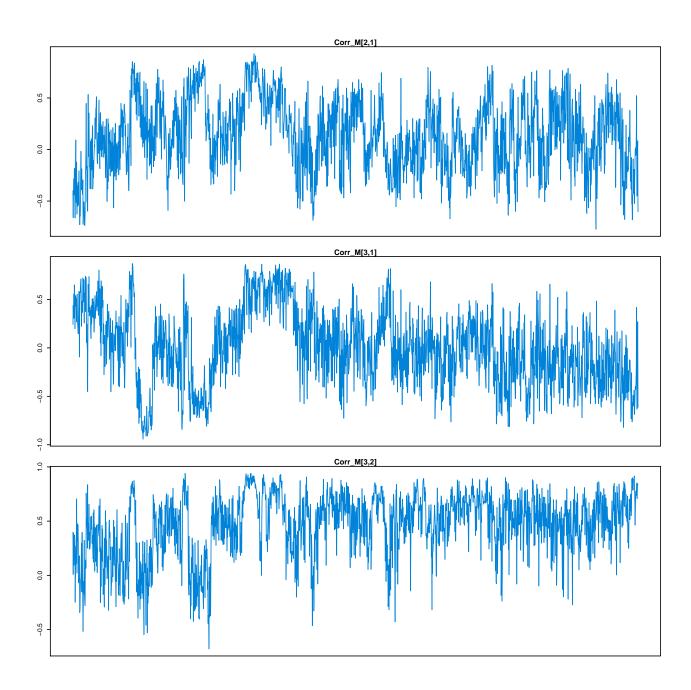


## $\Sigma_{M}$ (common between-study covariance structure)

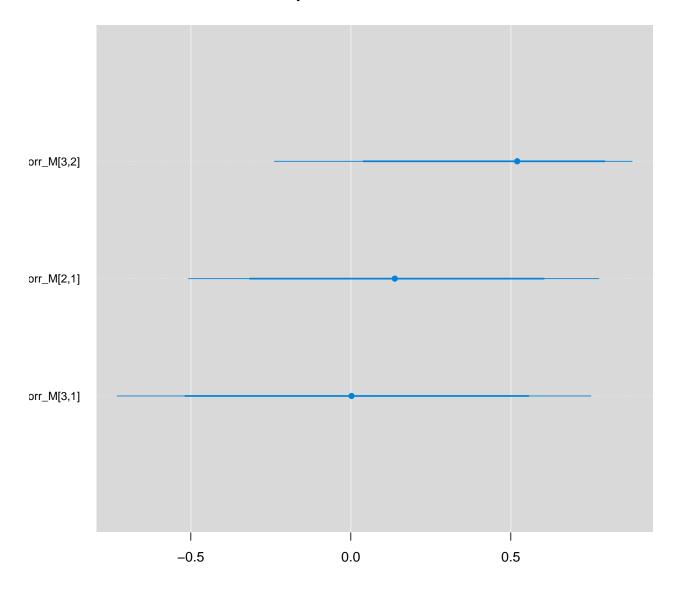


# parameters Sigma\_M

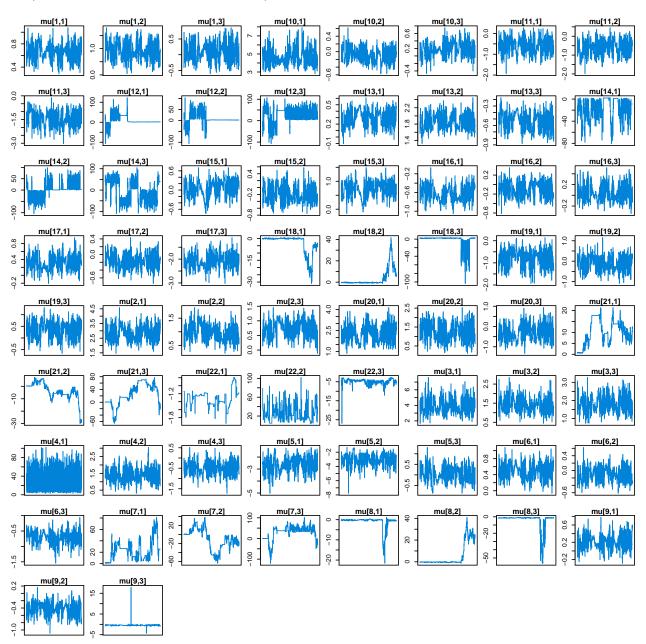




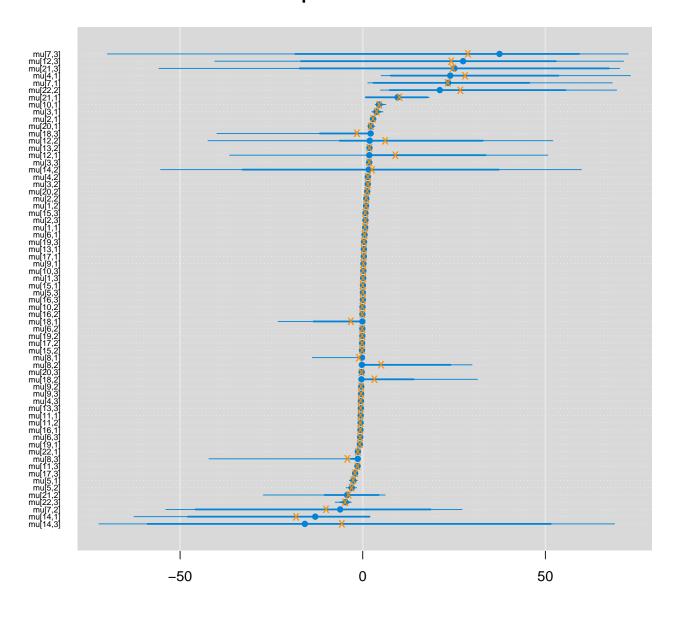
# parameters Corr\_M



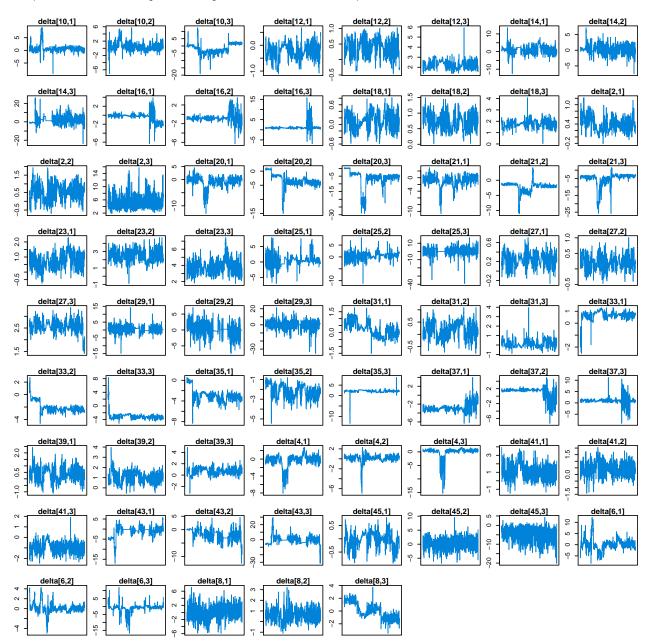
### $\mu$ (study-specific baseline effects)



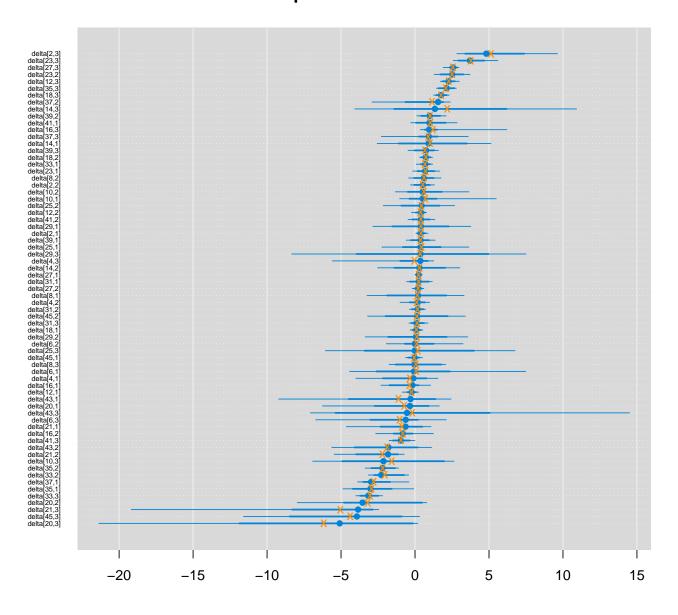
# parameters mu



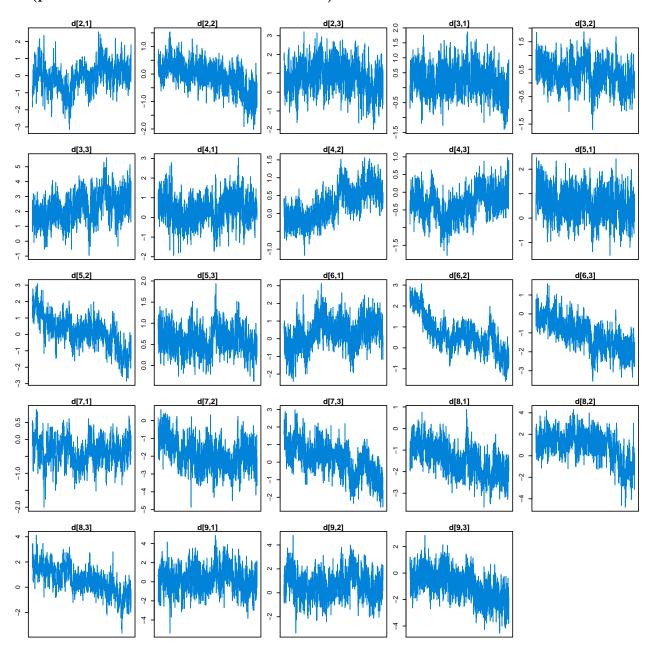
### $\delta$ (study-specific [random] treatment effects)



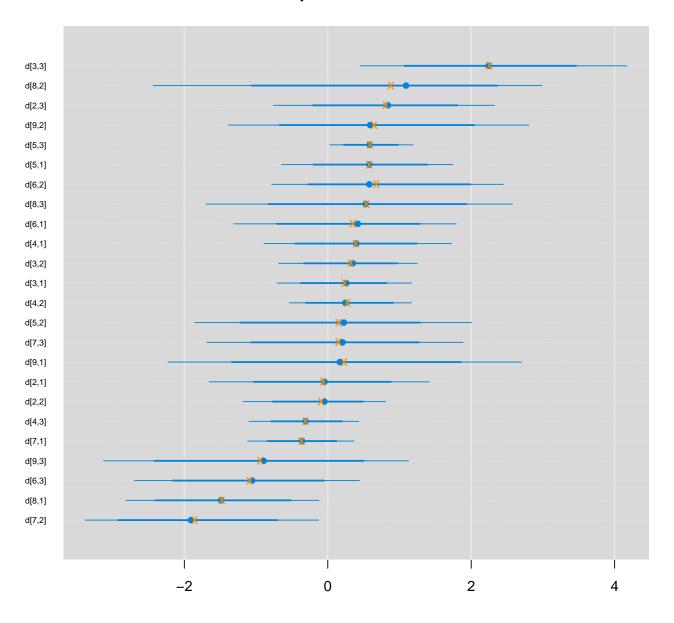
# parameters delta



## $\boldsymbol{d}$ (pooled treatment effects across trials)



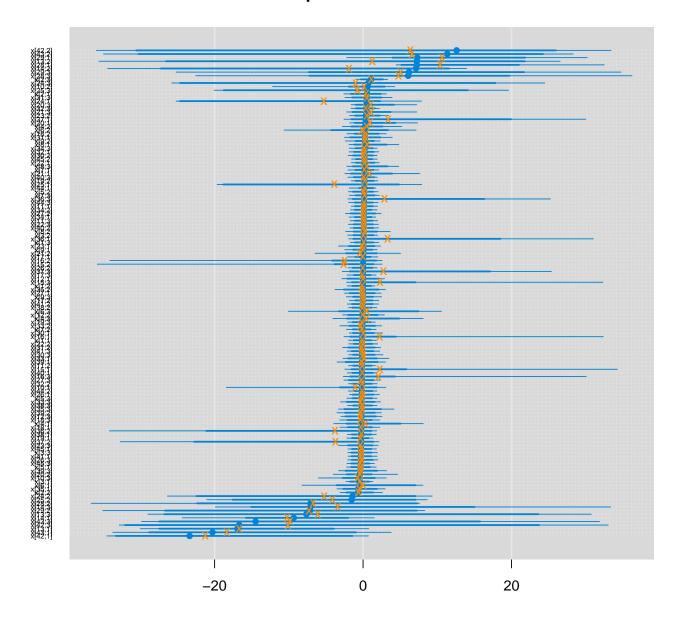
# parameters d



#### x (latent variables)



### parameters x

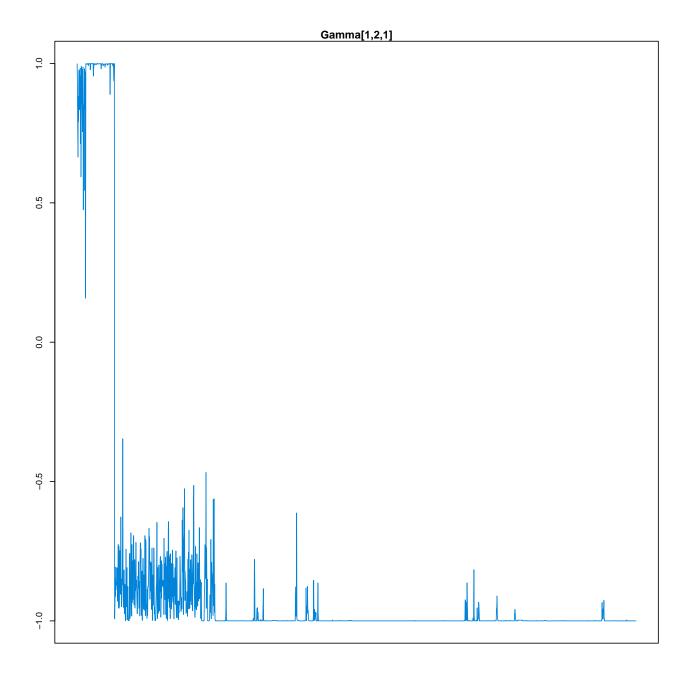


# Using only complete data for the first two outcomes from Achana et al. (2014)

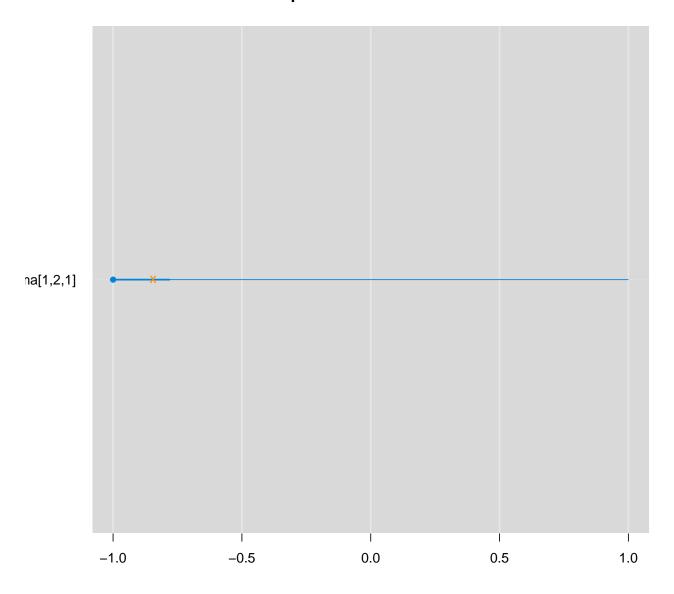
All the latent variables are estimated, that is, we do not use the imputation algorithm.

### $\Gamma$ (outcome copula correlation matrix)

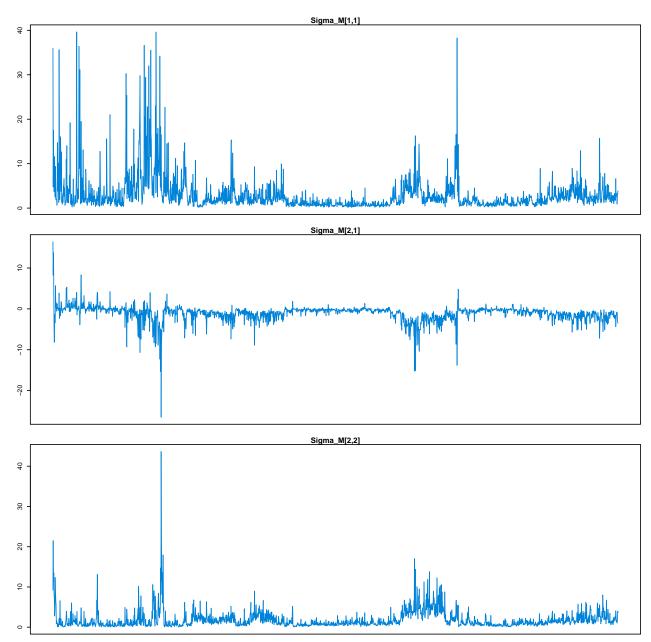
Here, the  $\Gamma$  matrix is estimated.



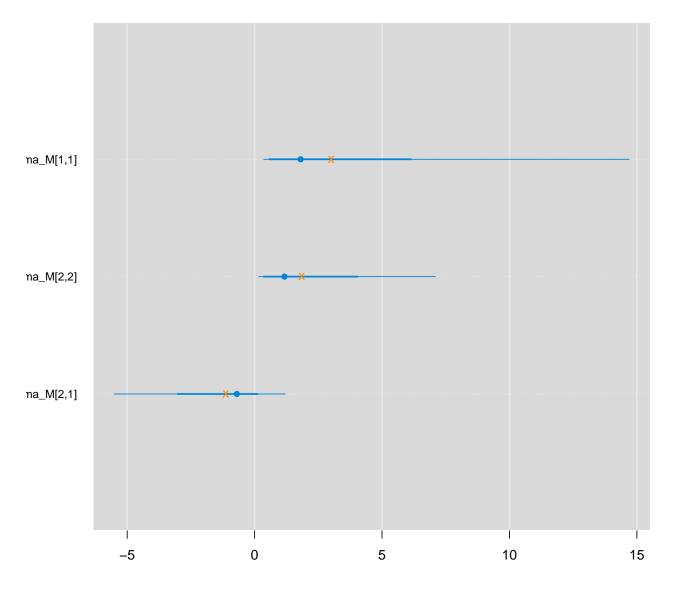
# parameters Gamma

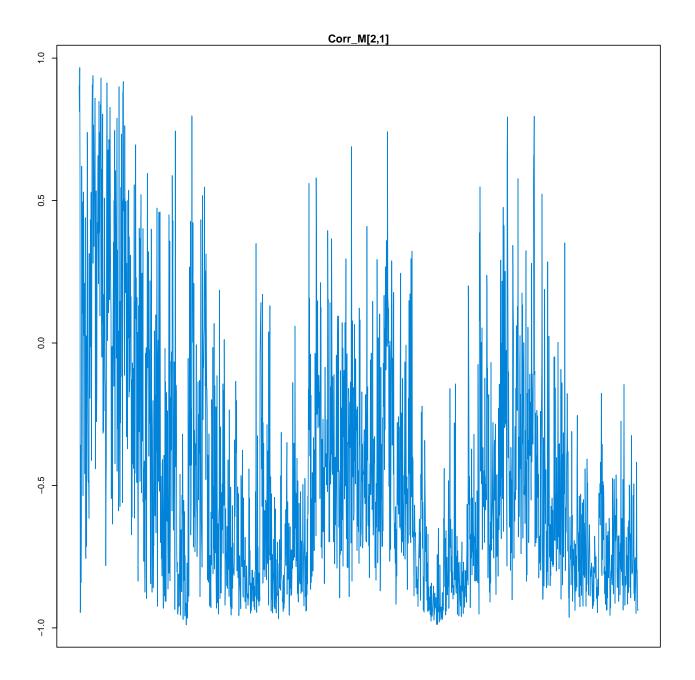


# $\Sigma_{M}$ (common between-study covariance structure)

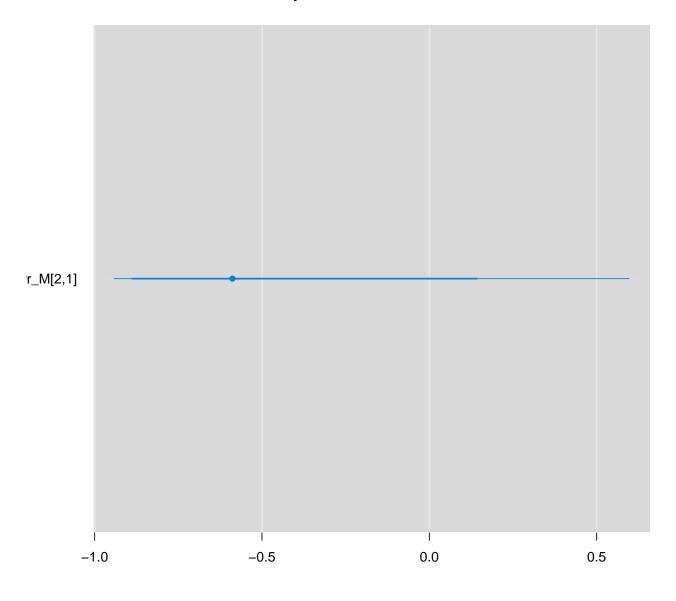


# parameters Sigma\_M

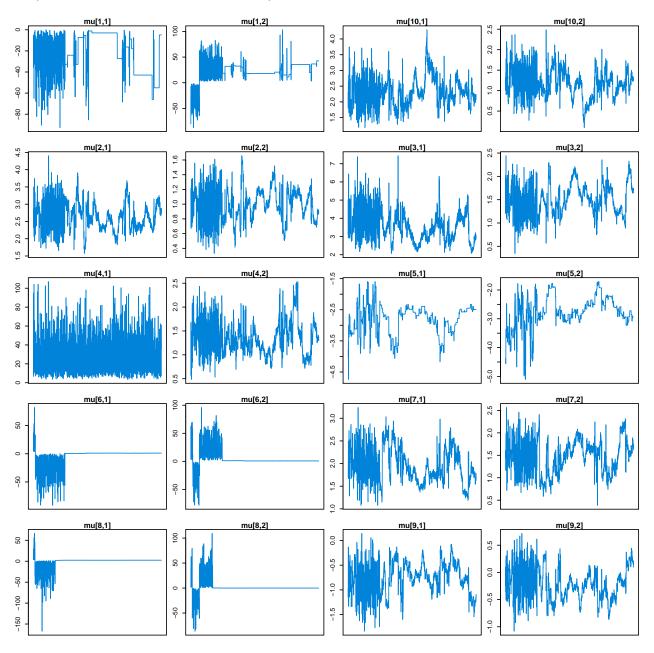




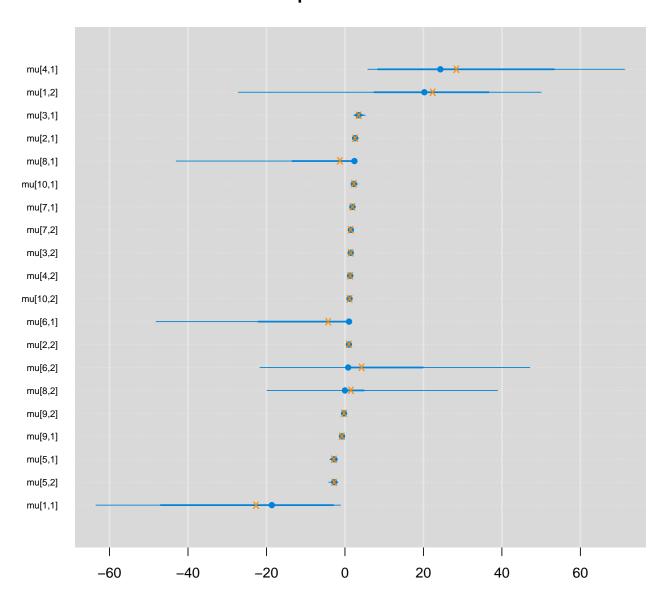
# parameters Corr\_M



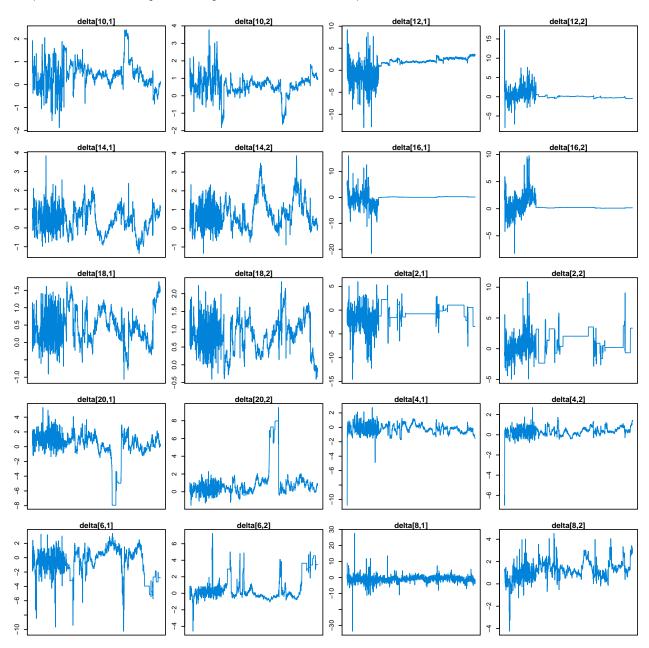
## $\mu$ (study-specific baseline effects)



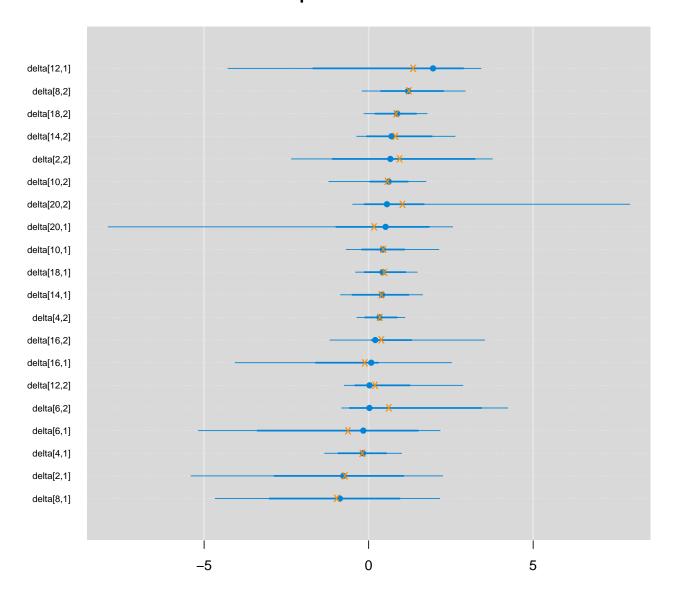
## parameters mu



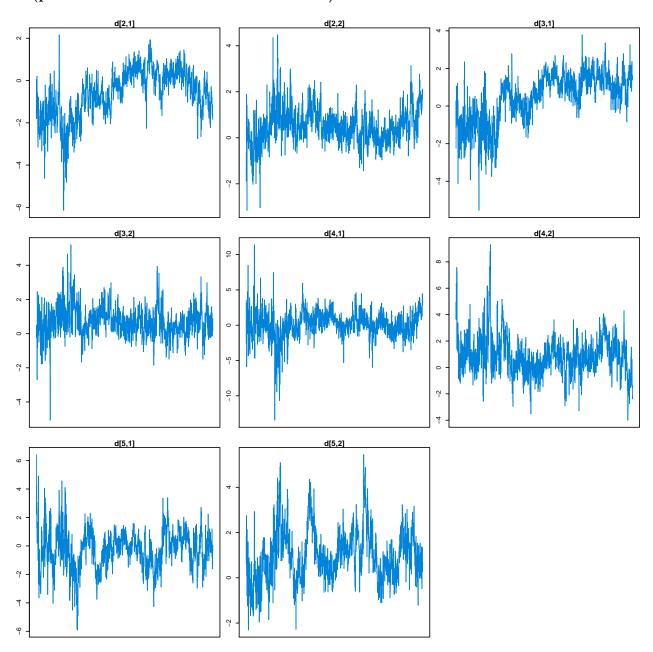
## $\delta$ (study-specific [random] treatment effects)



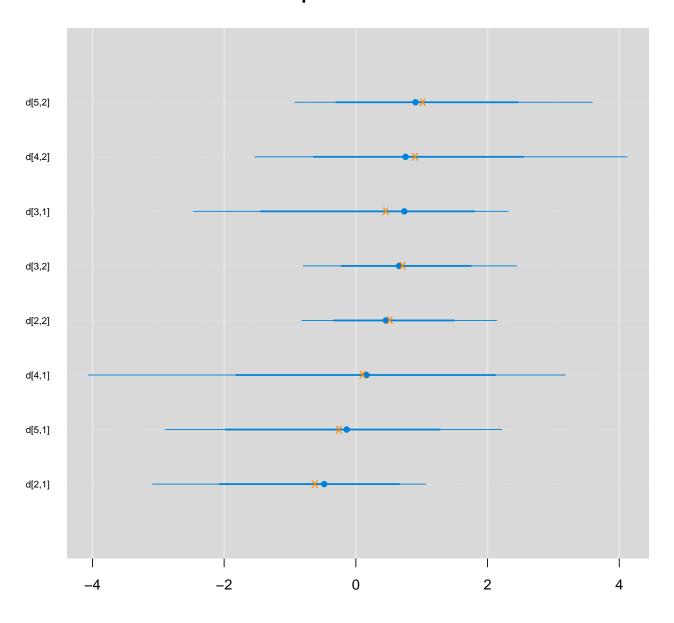
# parameters delta



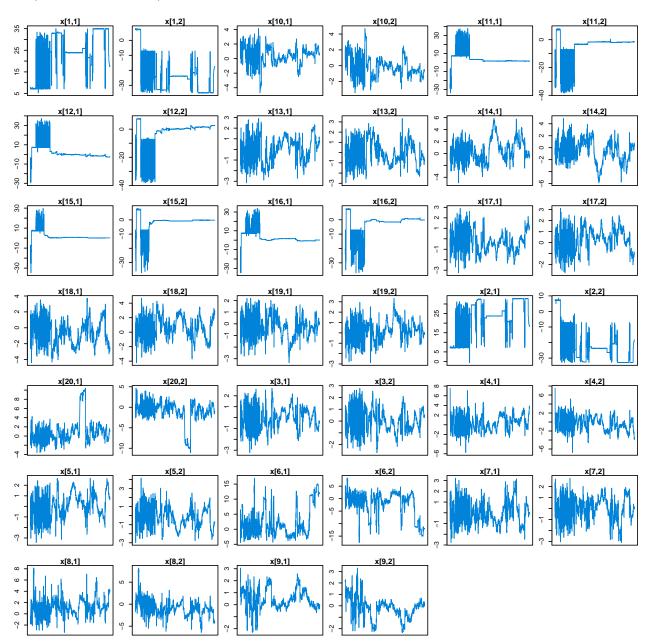
## $\boldsymbol{d}$ (pooled treatment effects across trials)



# parameters d



### x (latent variables)



# parameters x

