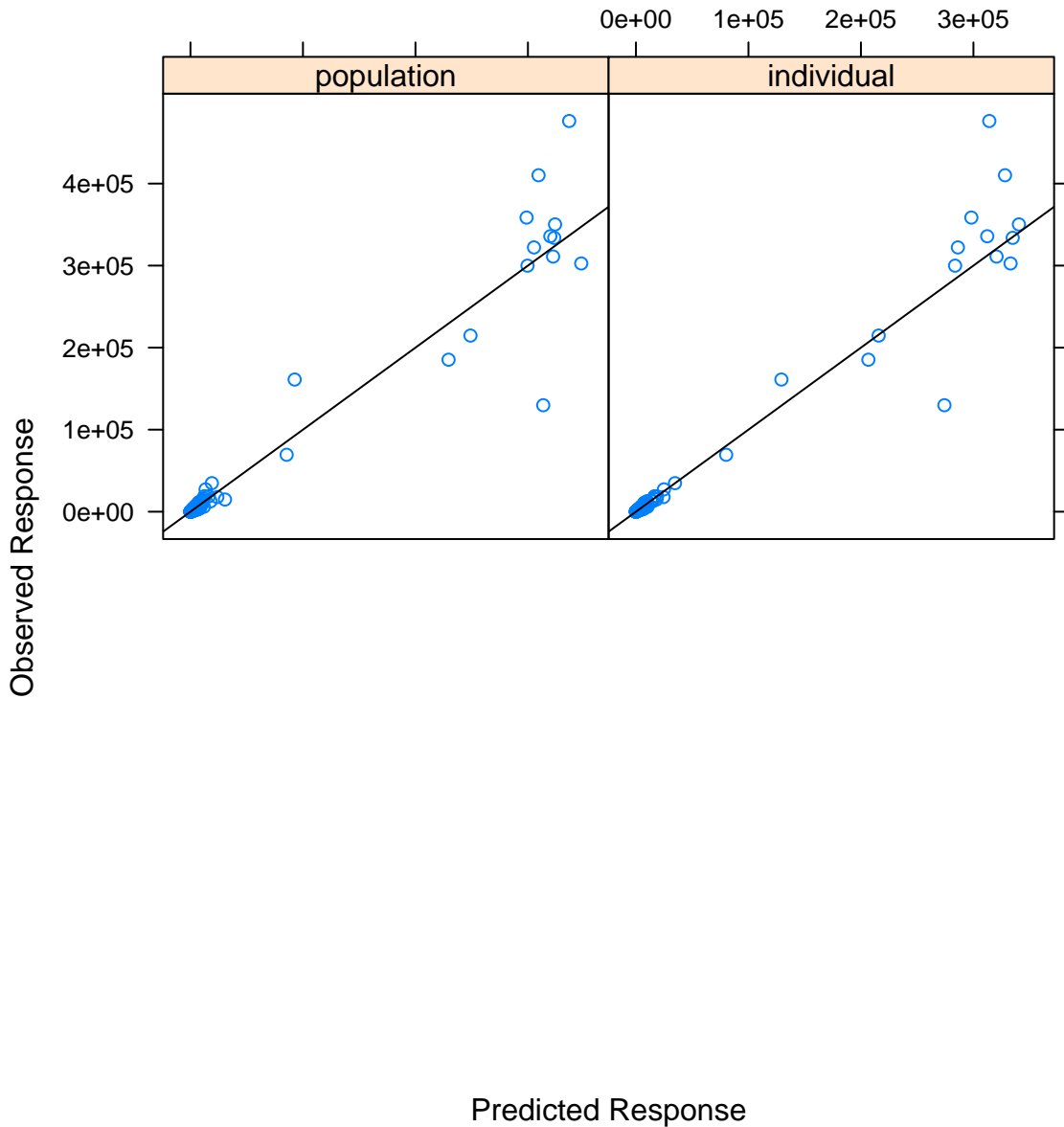


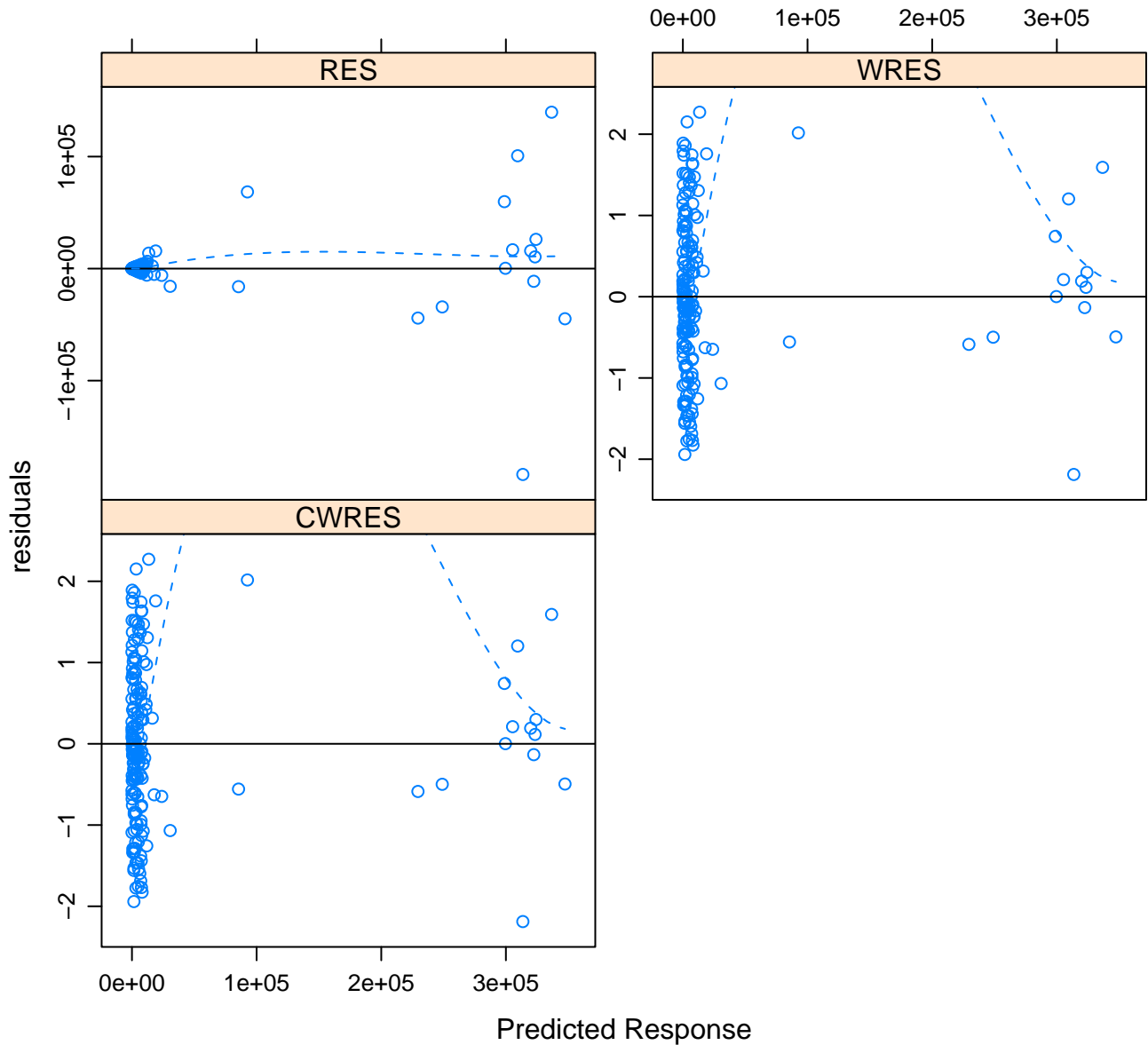
# Model 2

## Observed vs. Predicted for female data



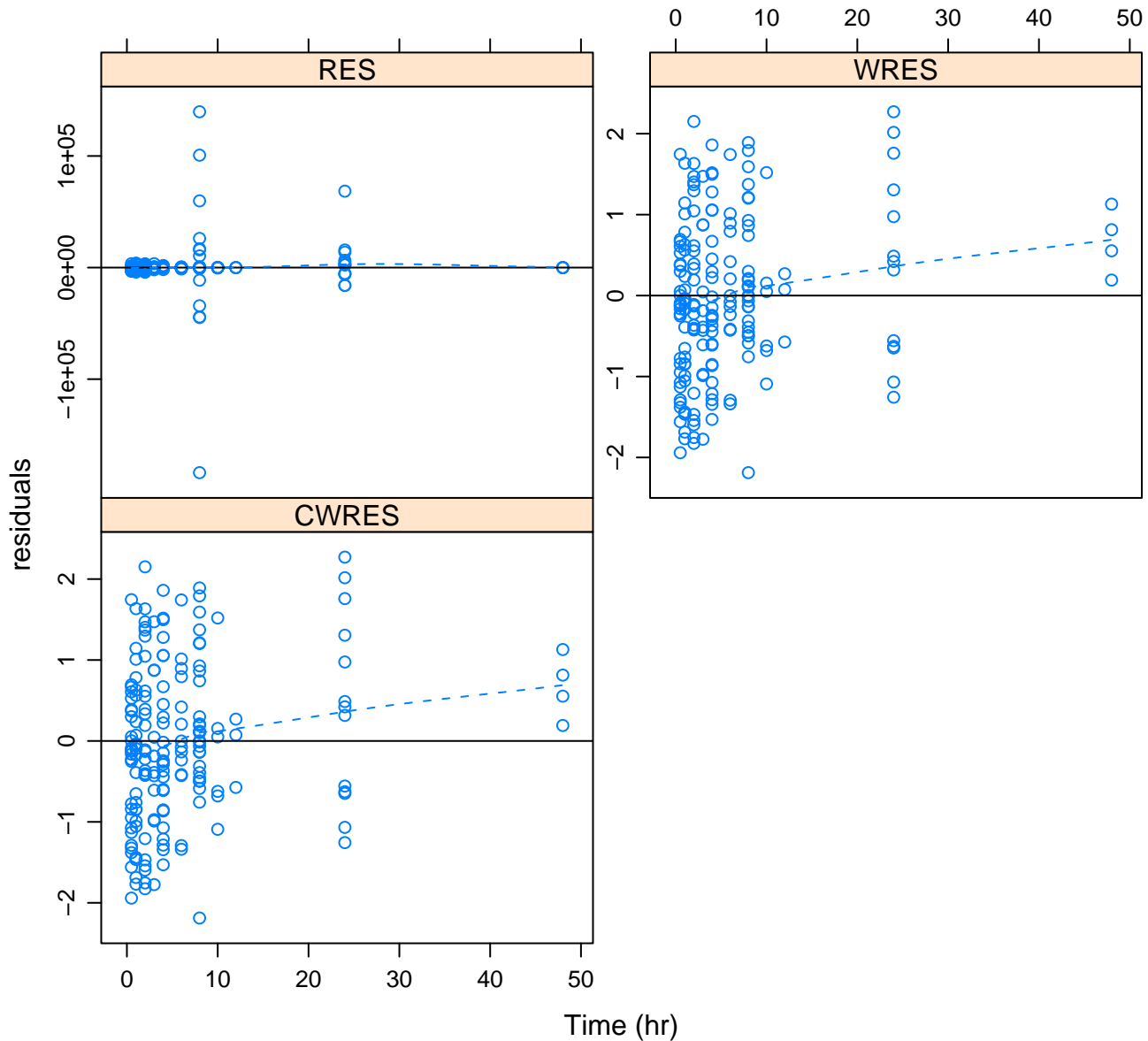
# Model 2

## Residuals vs. Predicted for female data



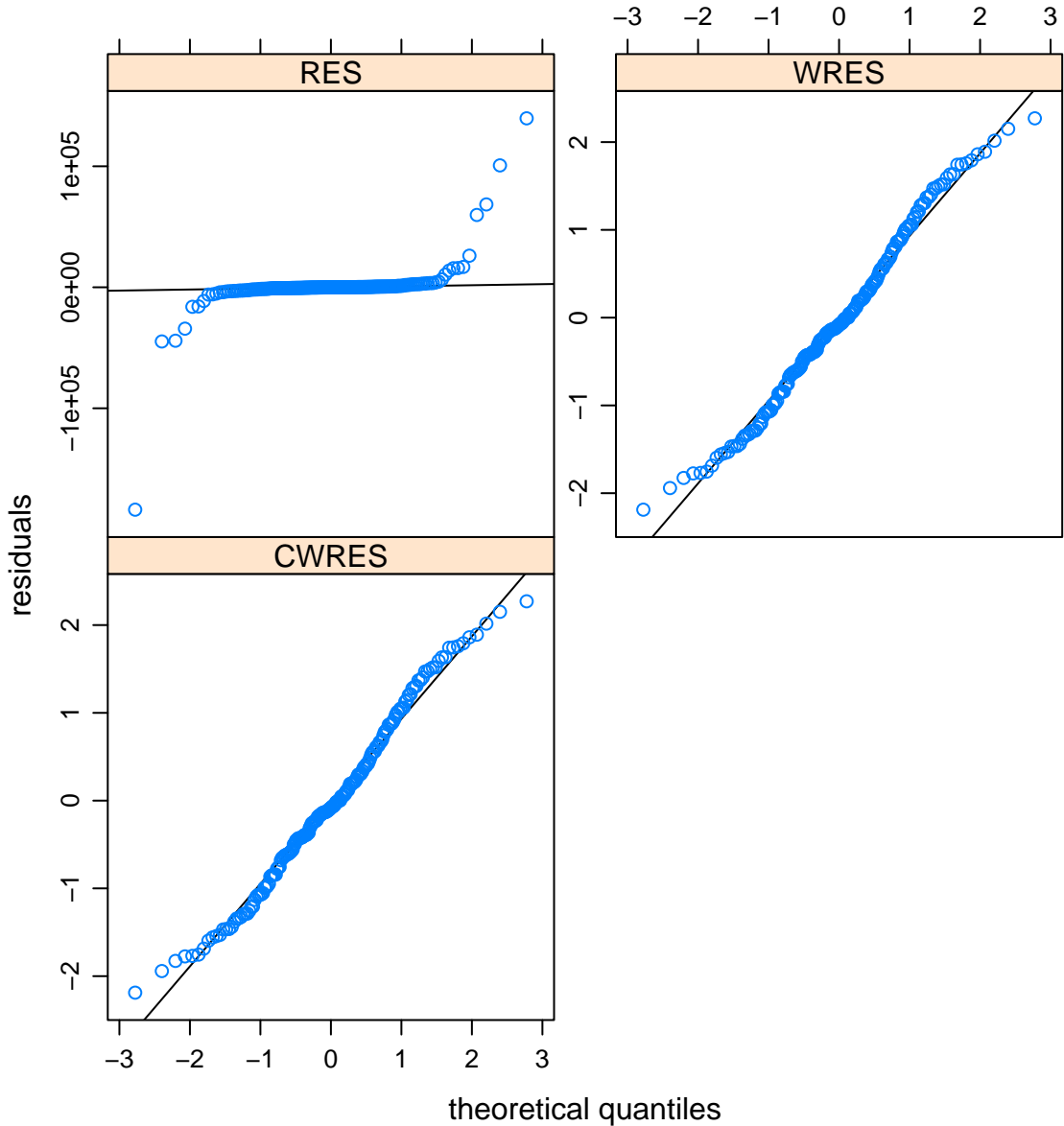
# Model 2

## Residuals vs. Time for female data



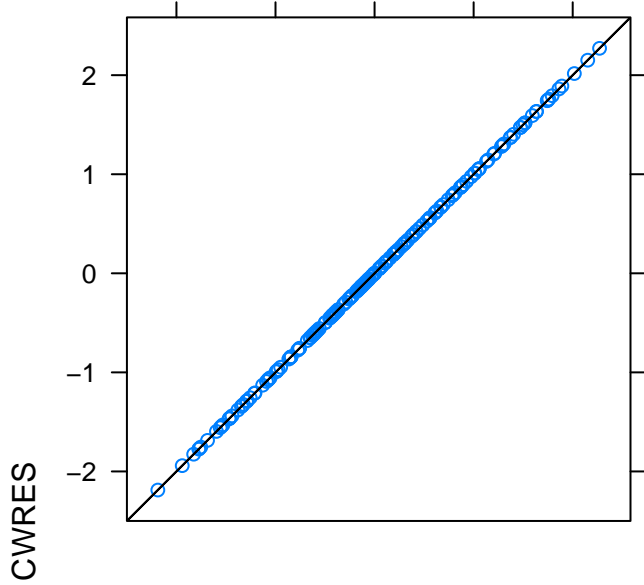
## Model 2

### Normal Q-Q Plot Residuals for female data



## Model 2

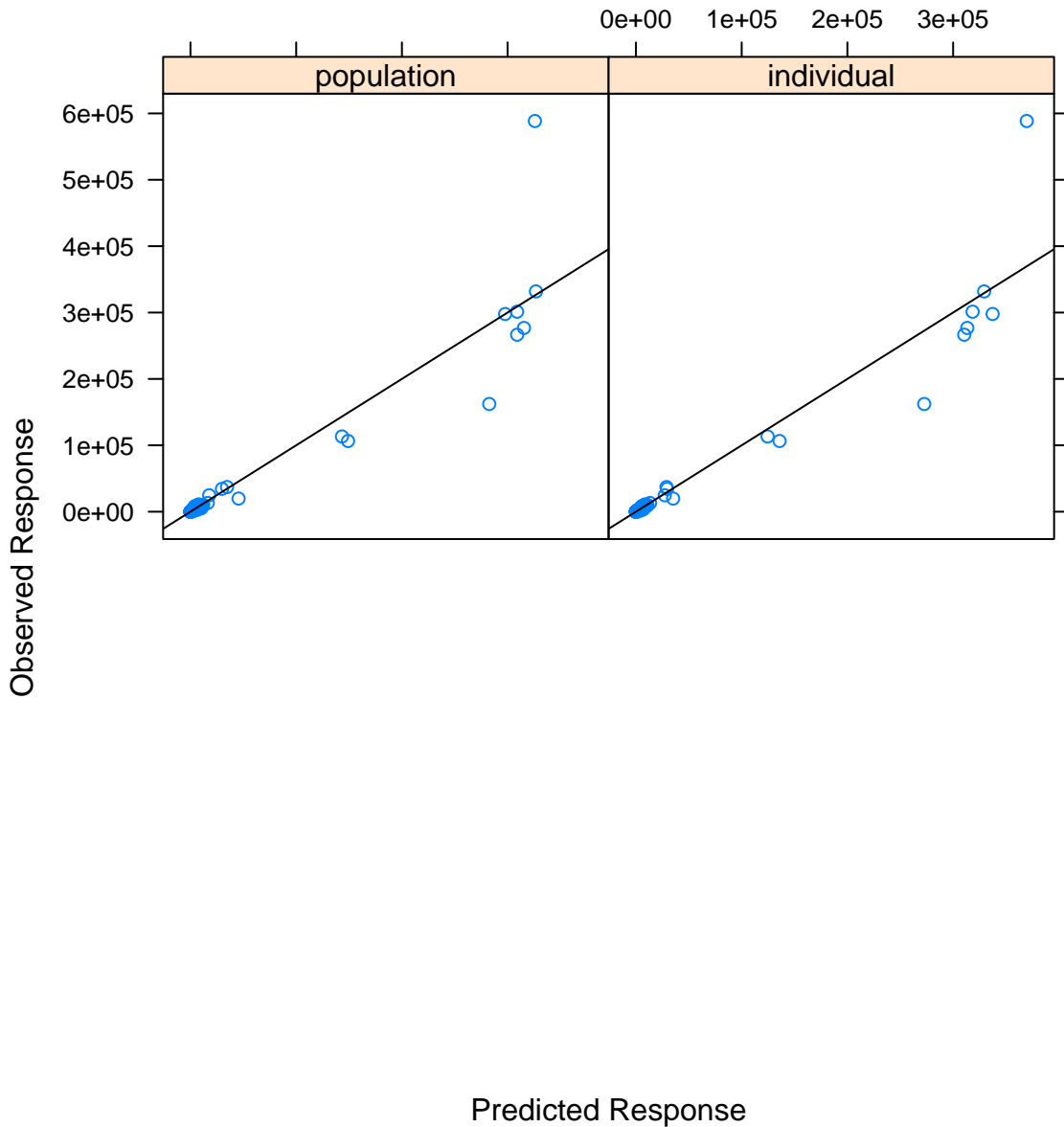
### Q-Q Plot of CWRES vs. WRES for female data



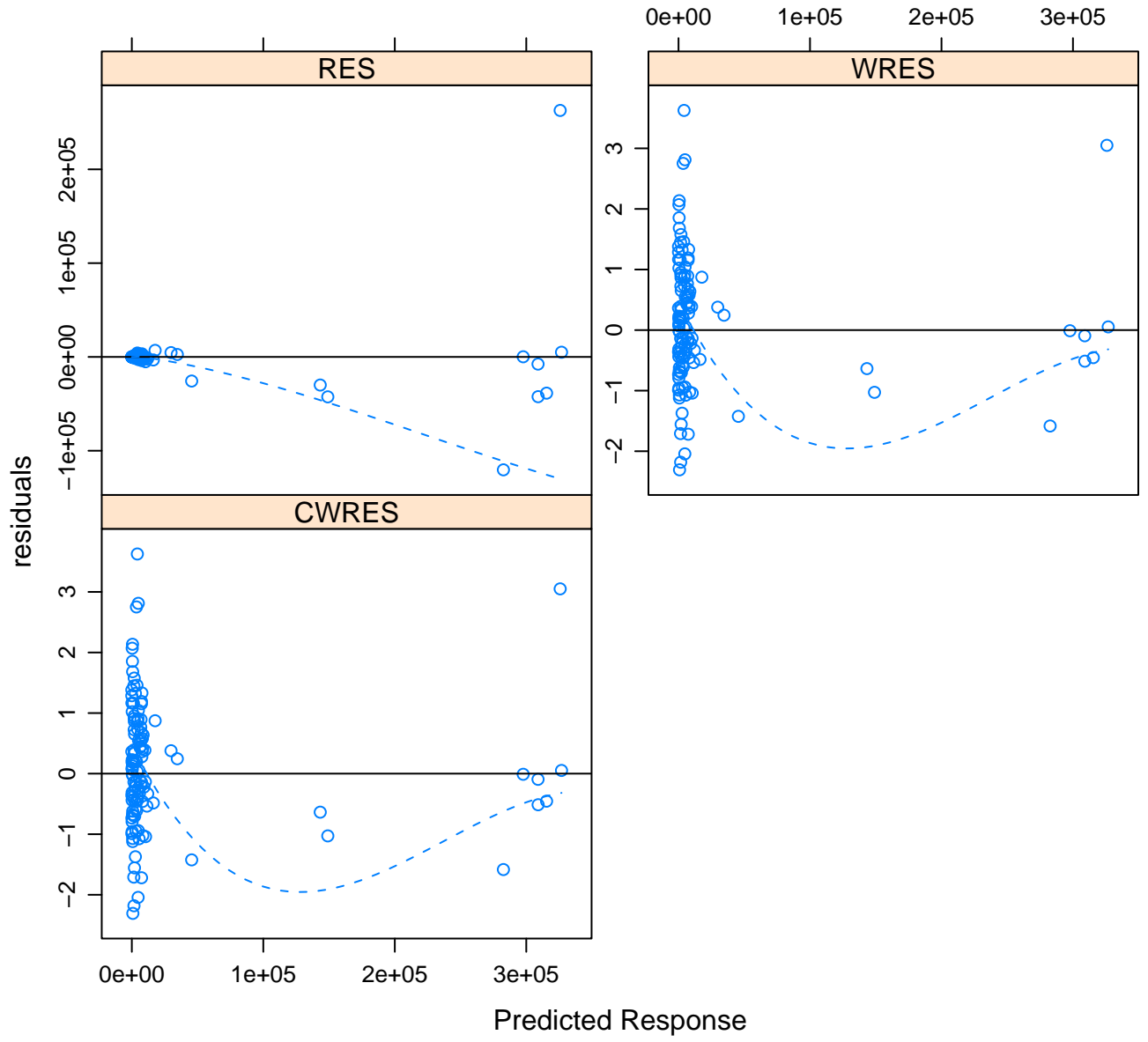
WRES

# Model 2

## Observed vs. Predicted for male data

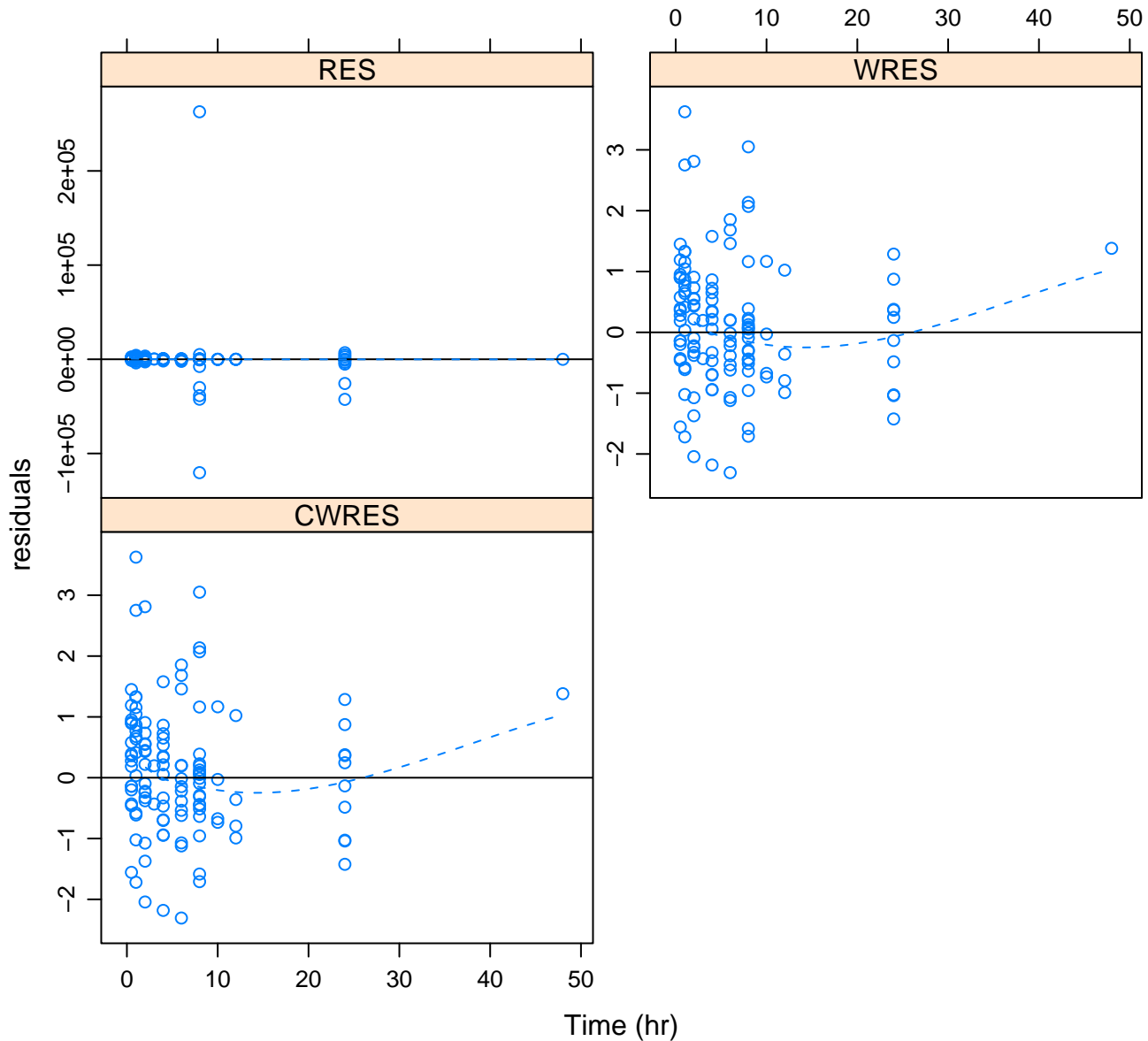


**Model 2**  
**Residuals vs. Predicted for male data**



# Model 2

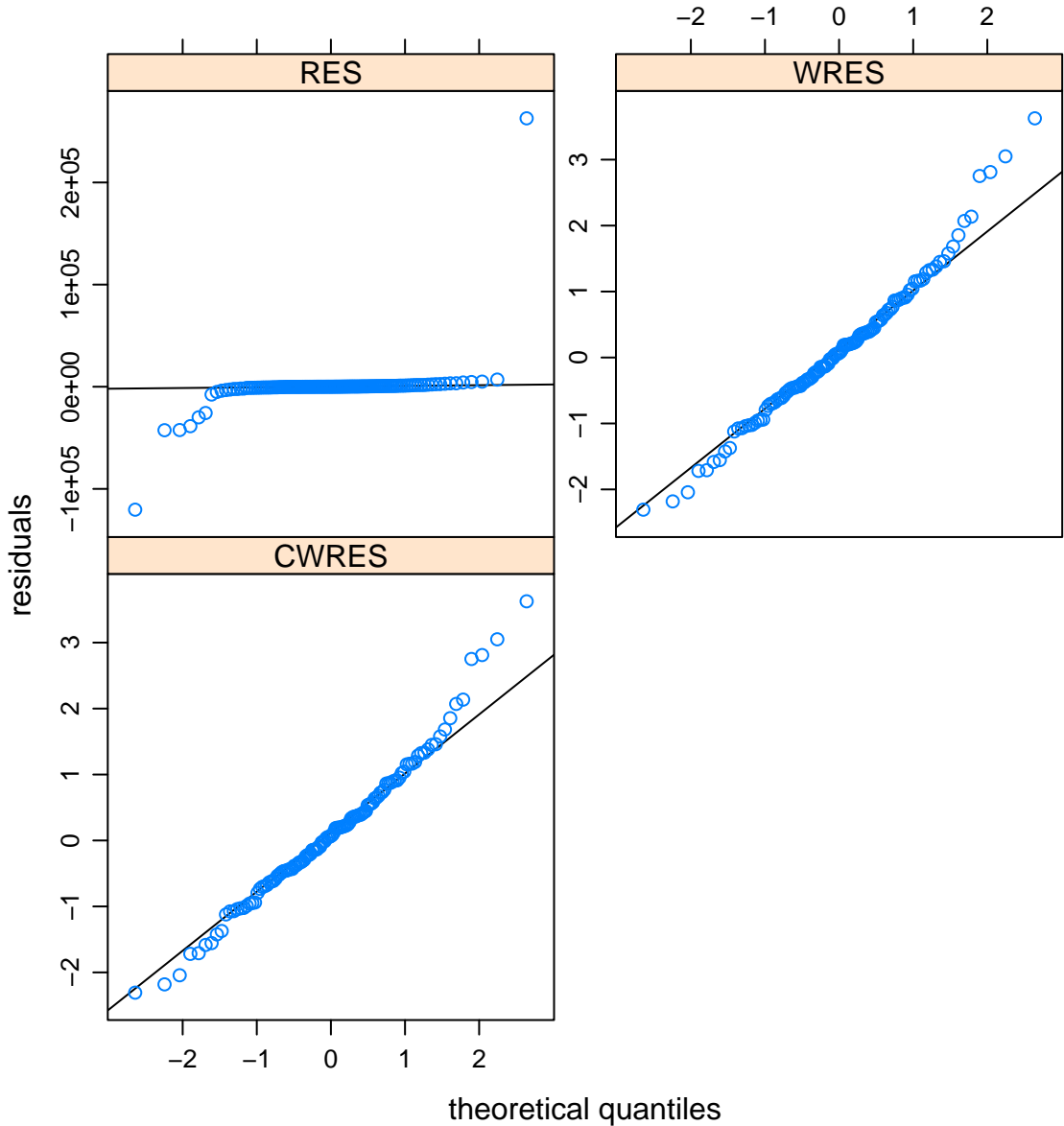
## Residuals vs. Time for male data





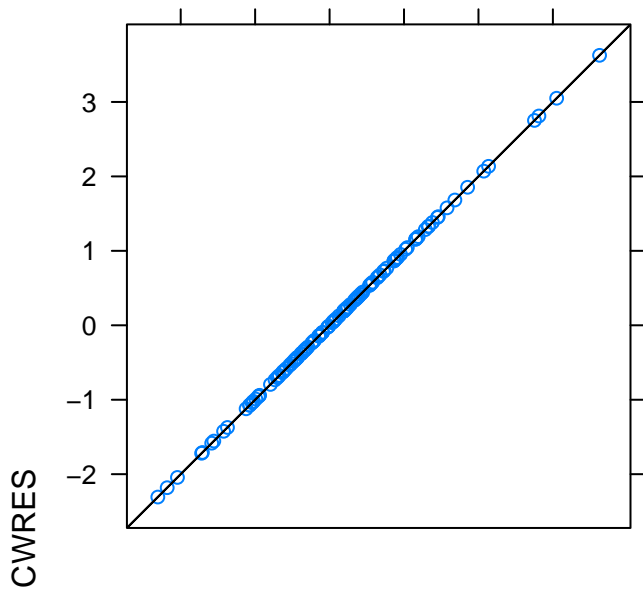
# Model 2

## Normal Q-Q Plot Residuals for male data



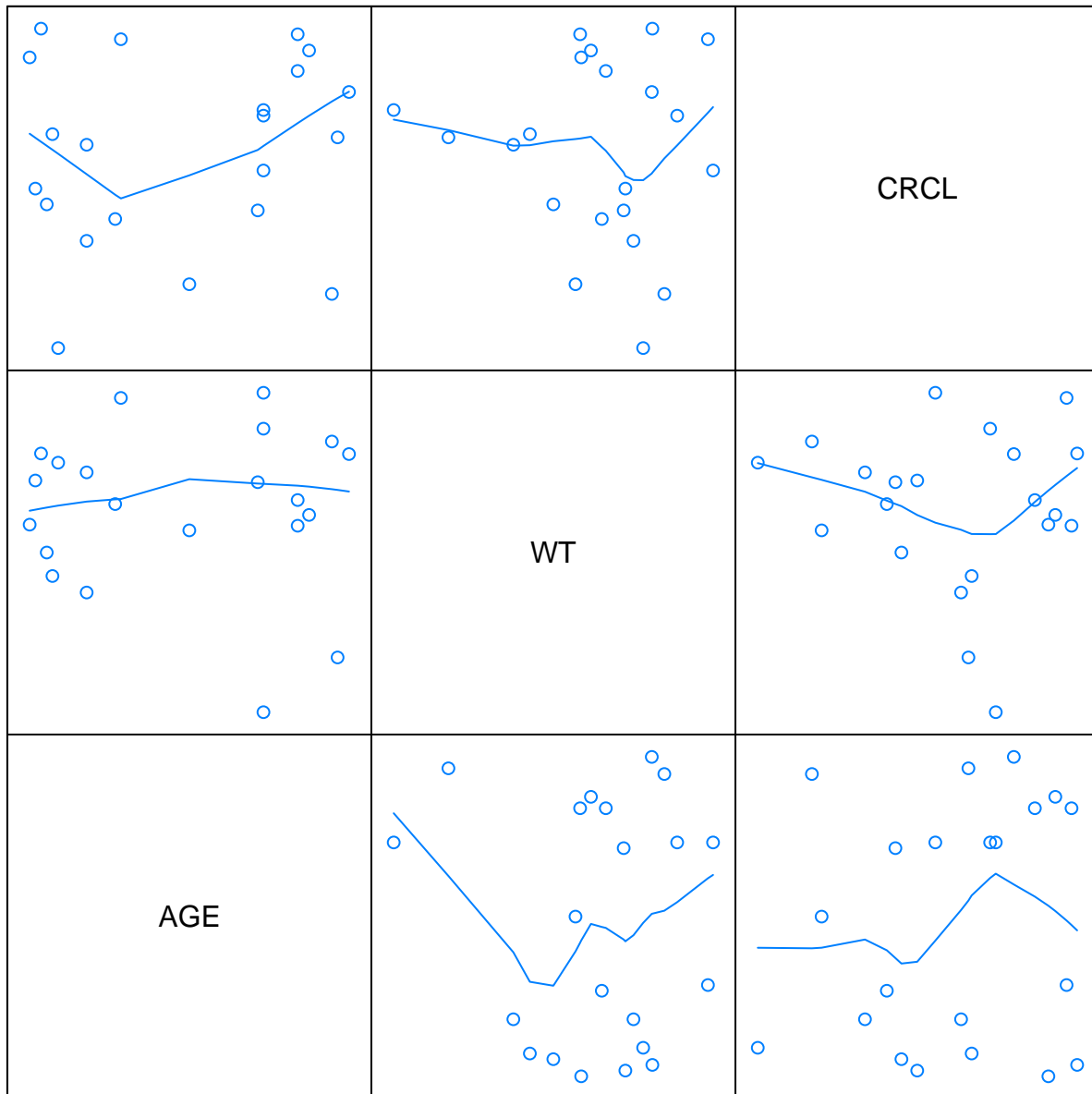
## Model 2

### Q-Q Plot of CWRES vs. WRES for male data

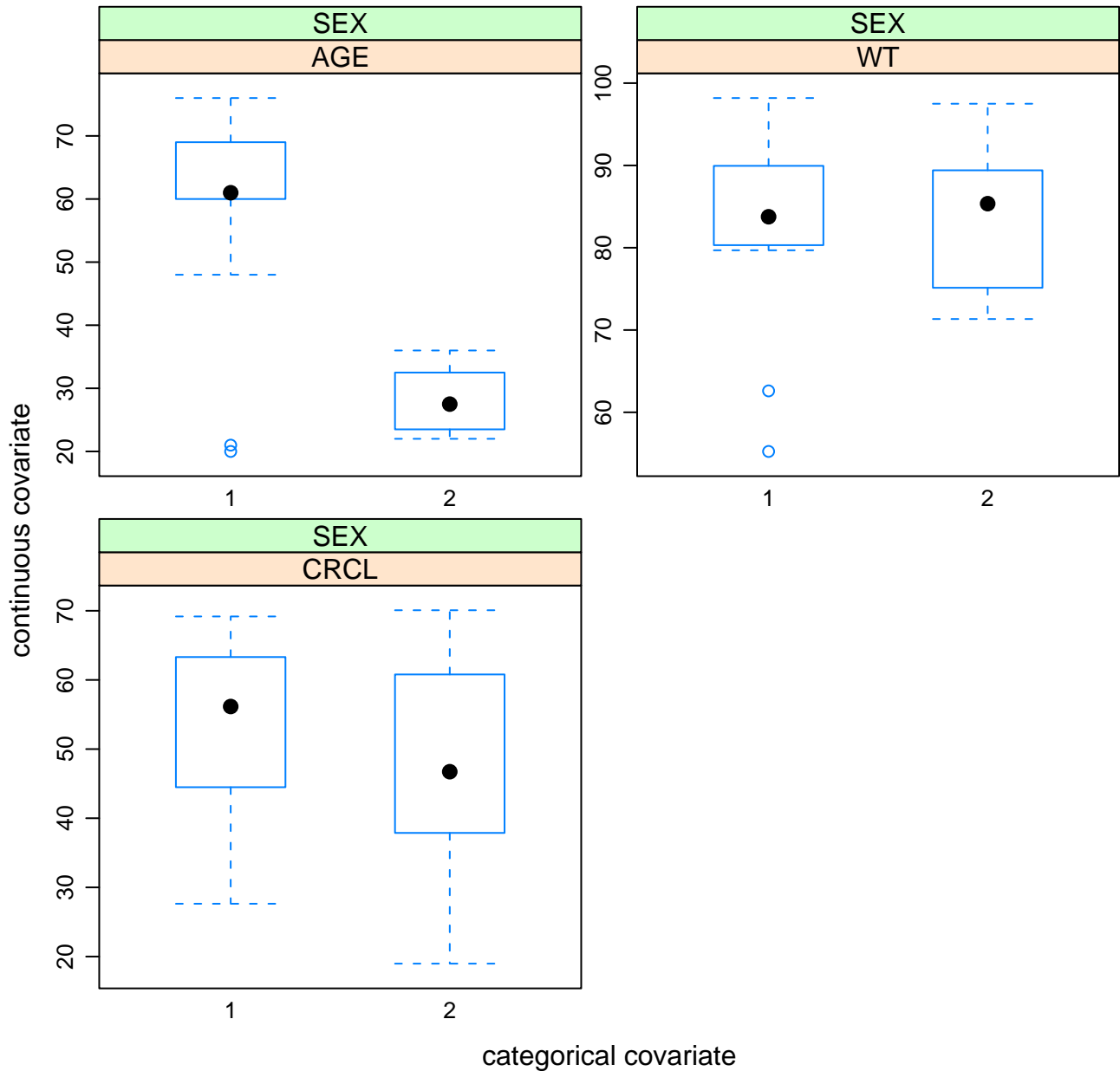


WRES

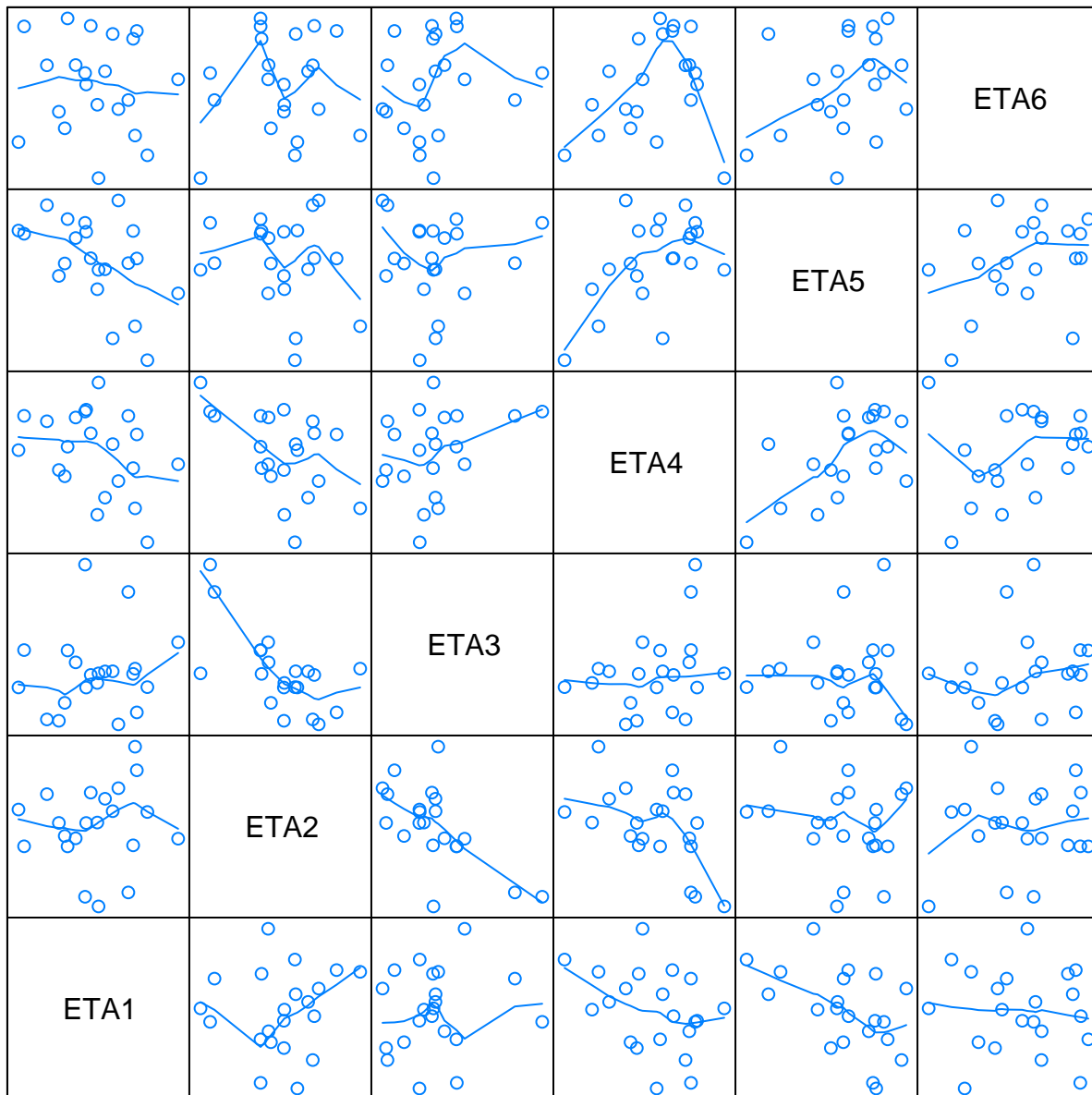
# Covariate Scatterplots



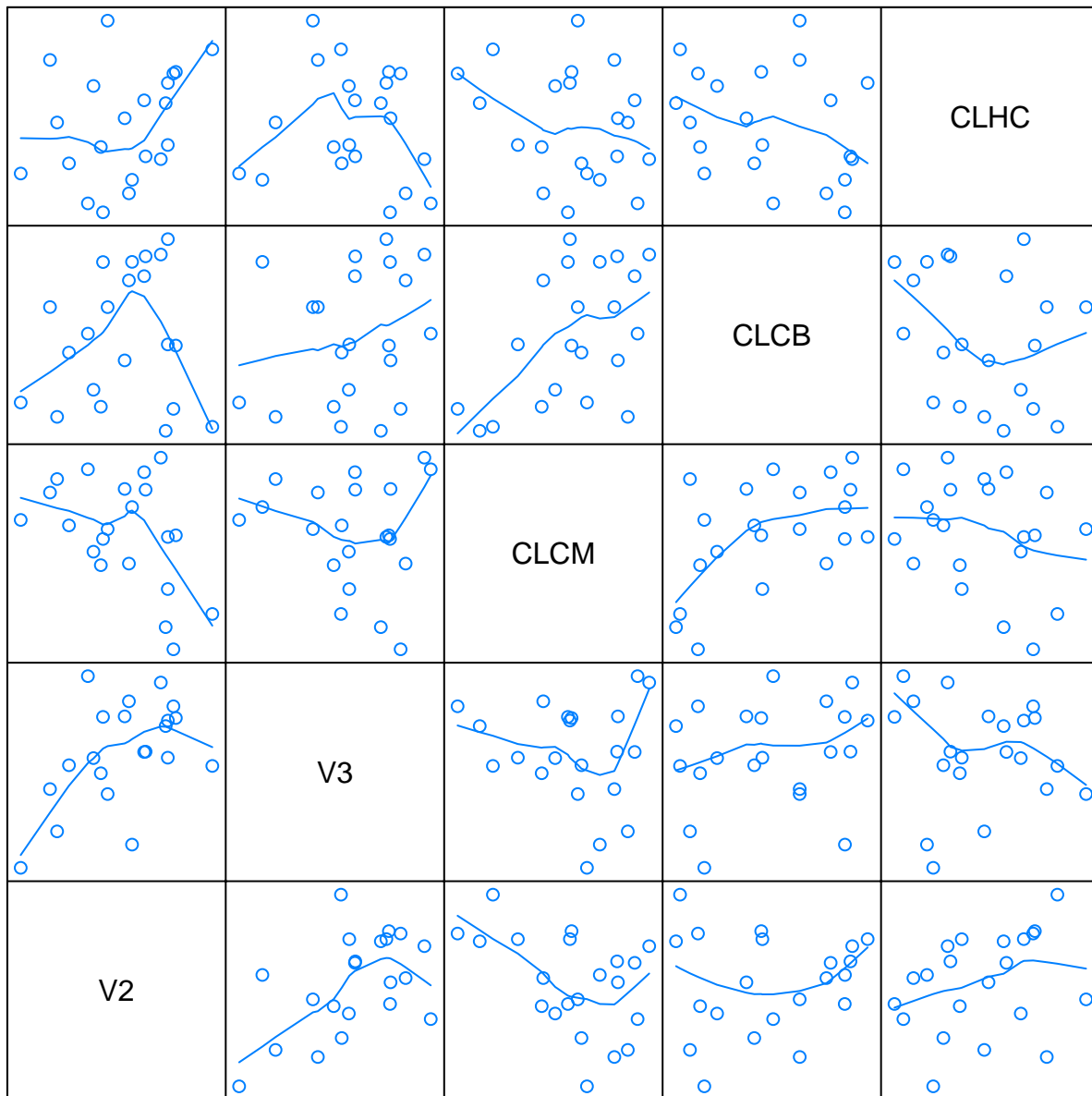
# Continuous Covariates vs. Categorical Covariates



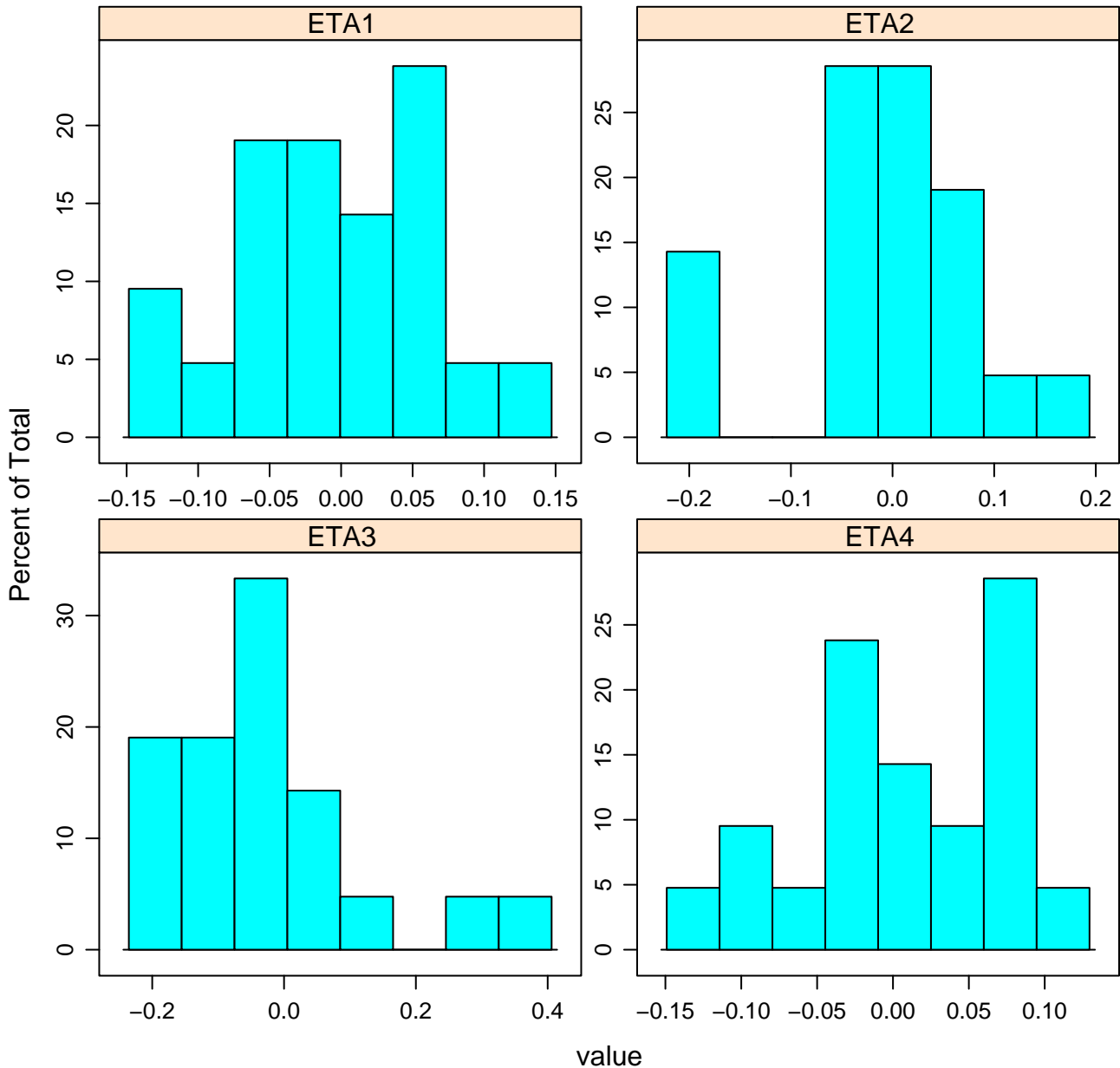
# ETA Scatterplots



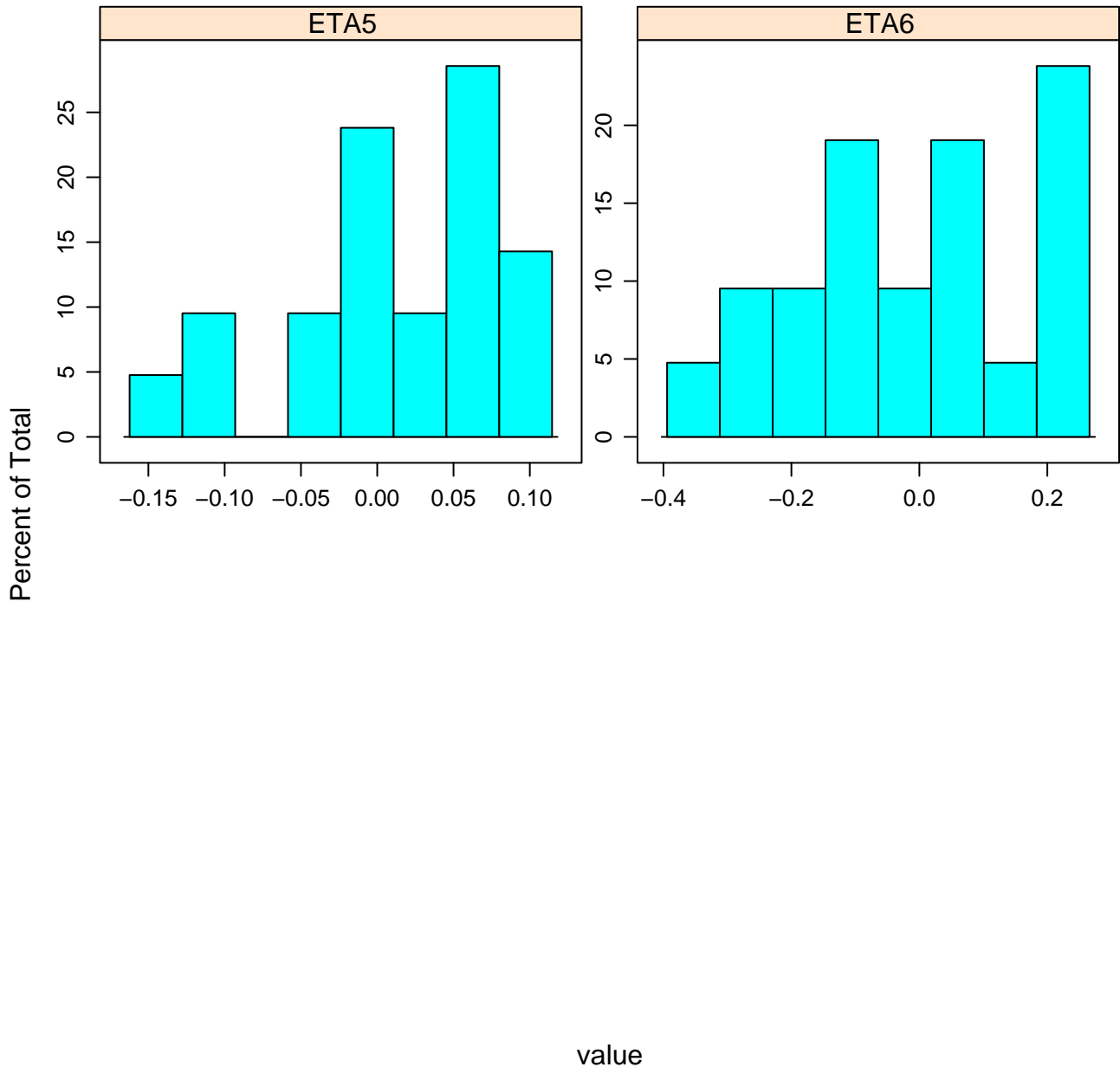
# Parameter Scatterplots



# Histograms of Etas

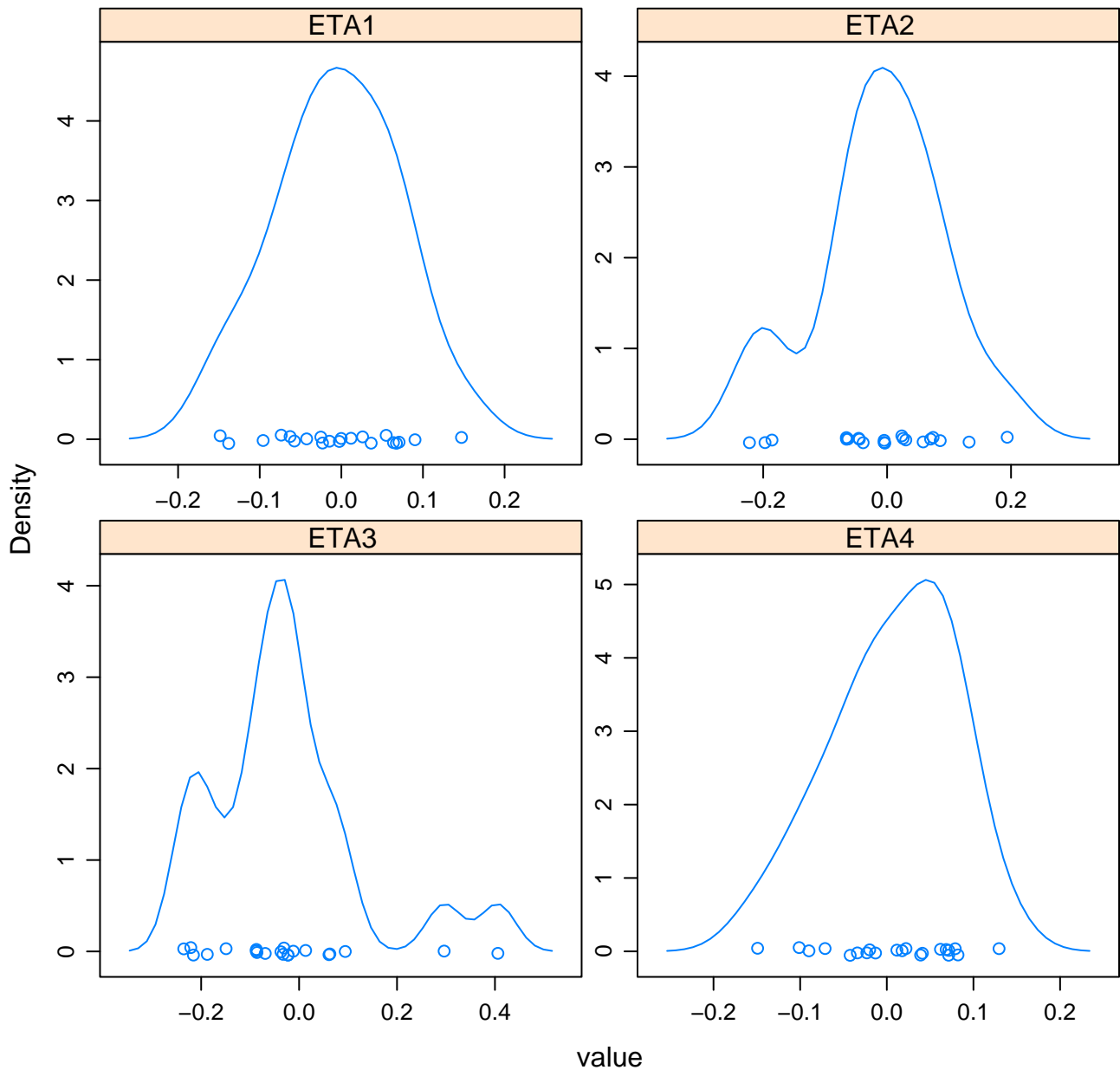


# Histograms of Etas

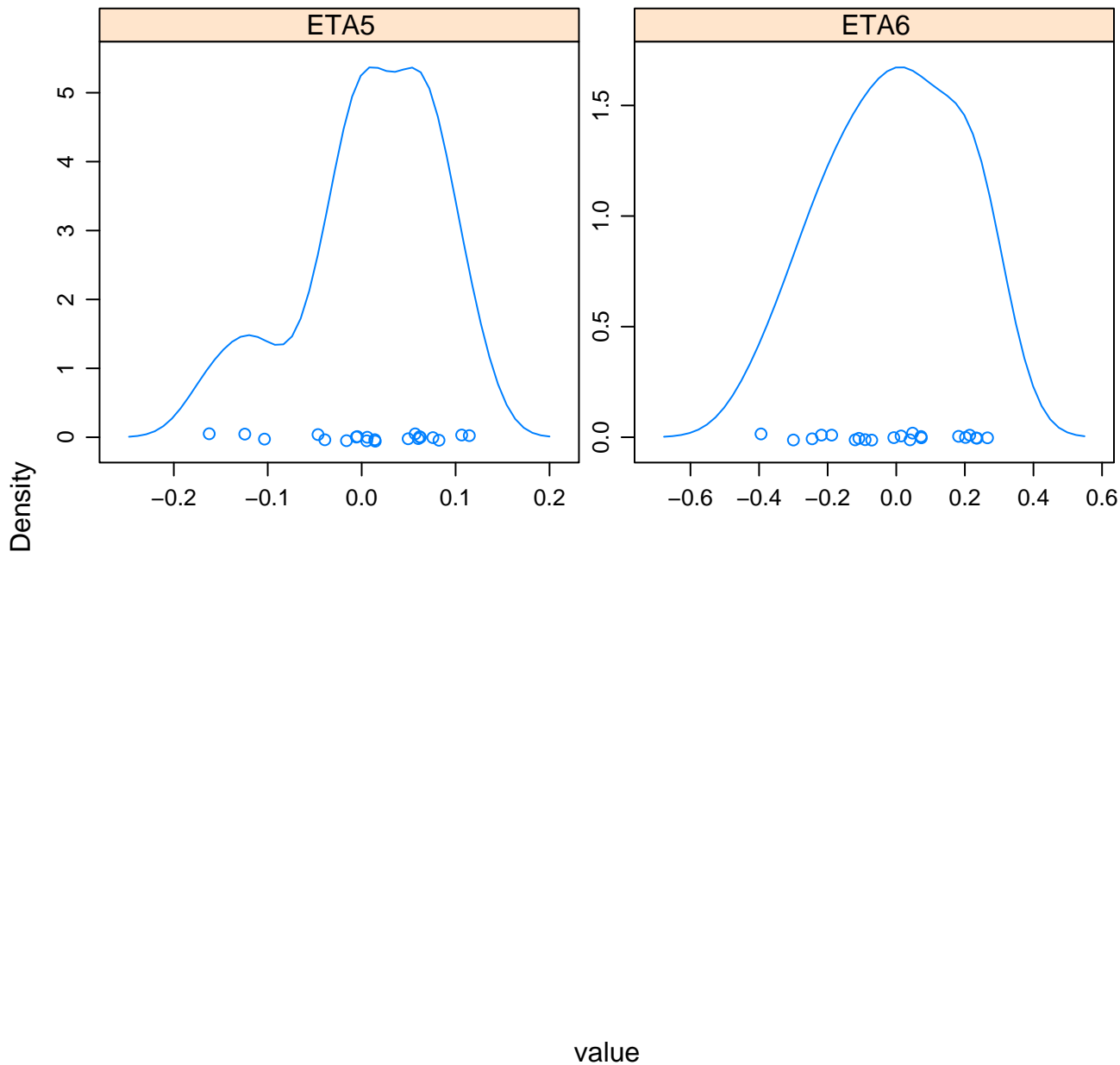




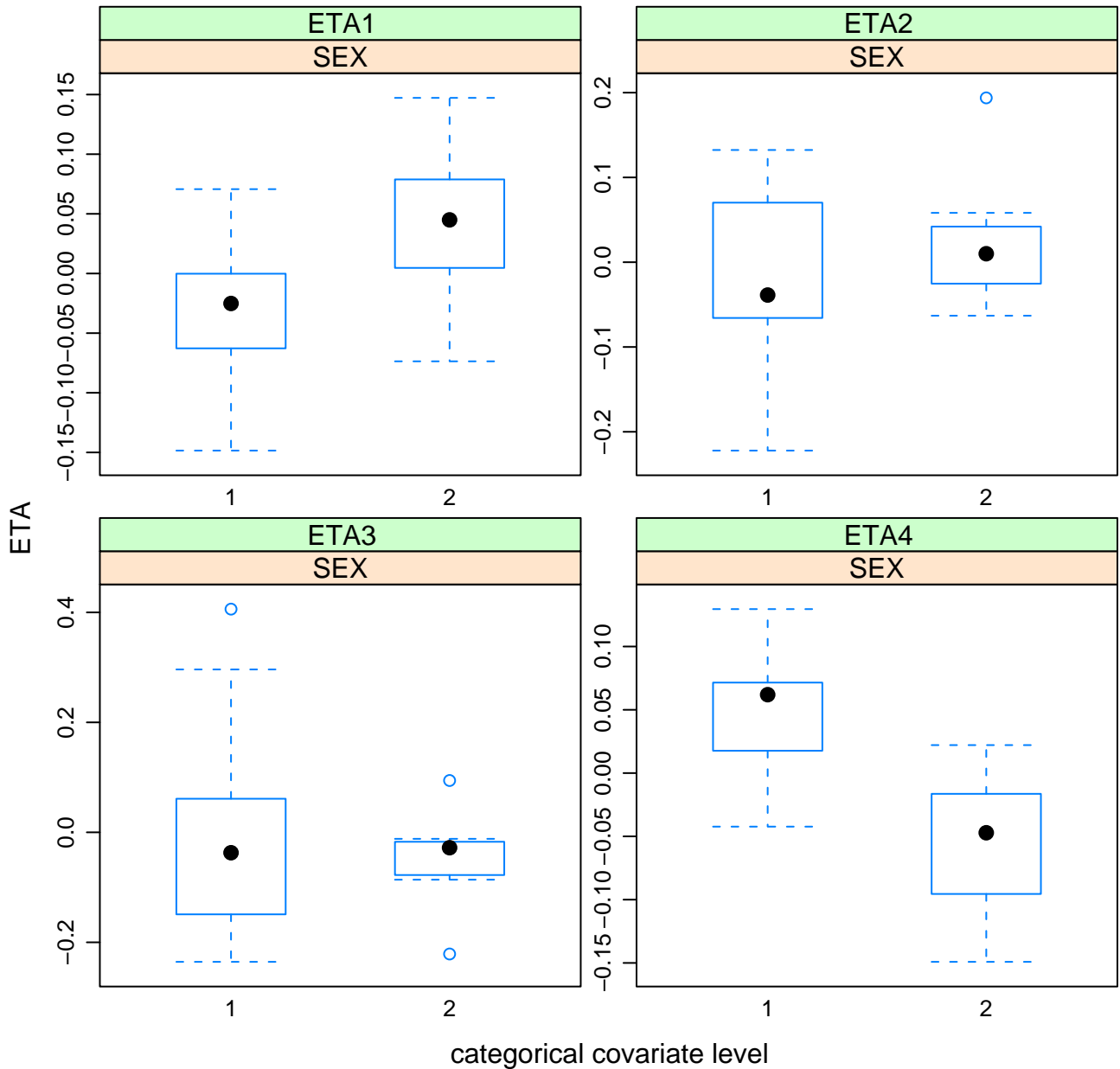
# Density of Etas



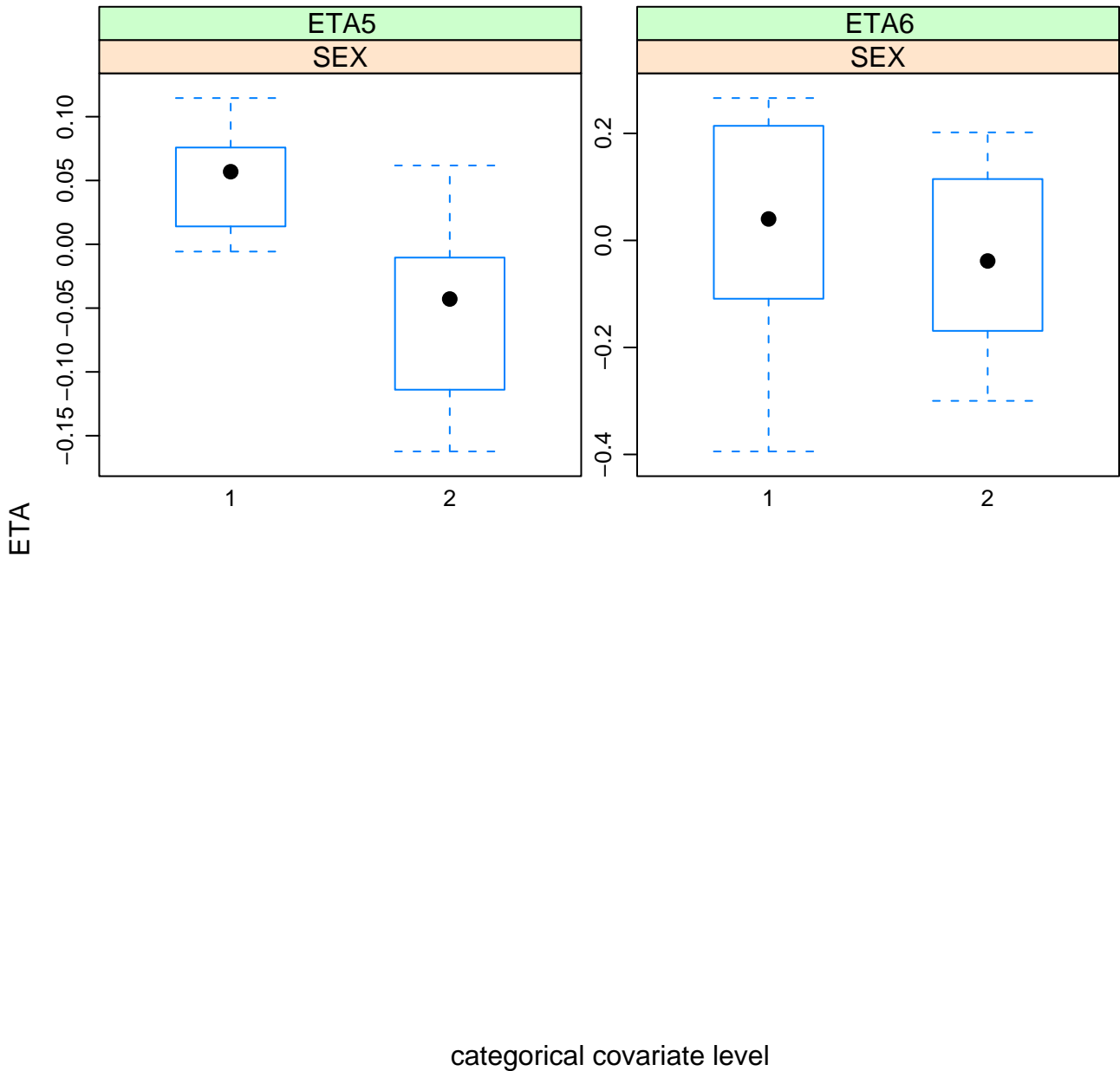
# Density of Etas



# Boxplots of Etas by Categorical Covariate

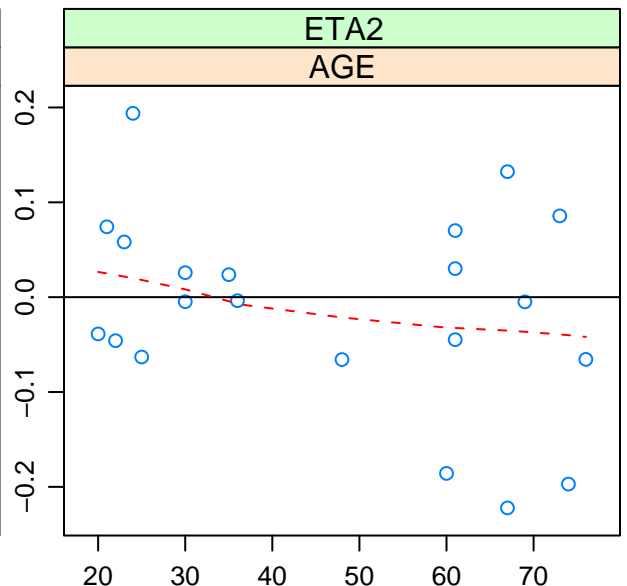
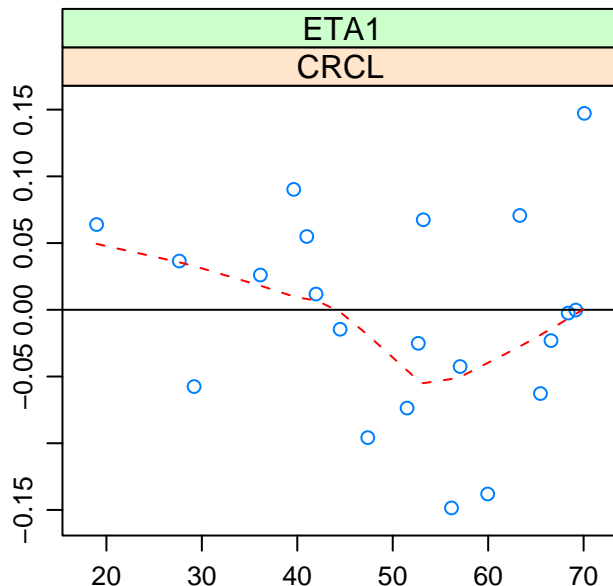
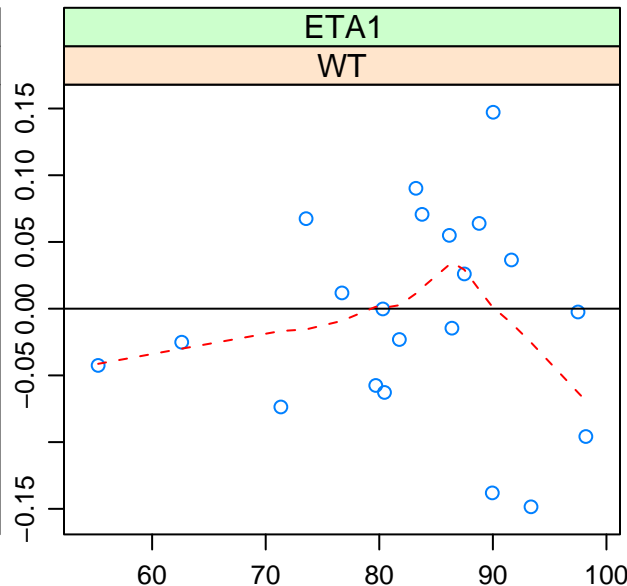
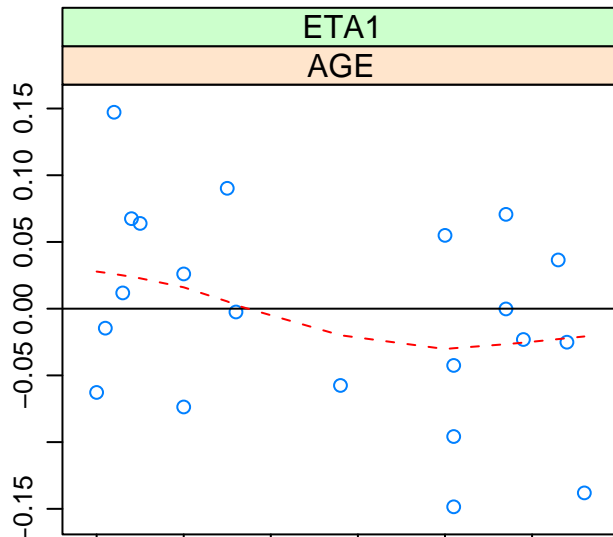


# Boxplots of Etas by Categorical Covariate



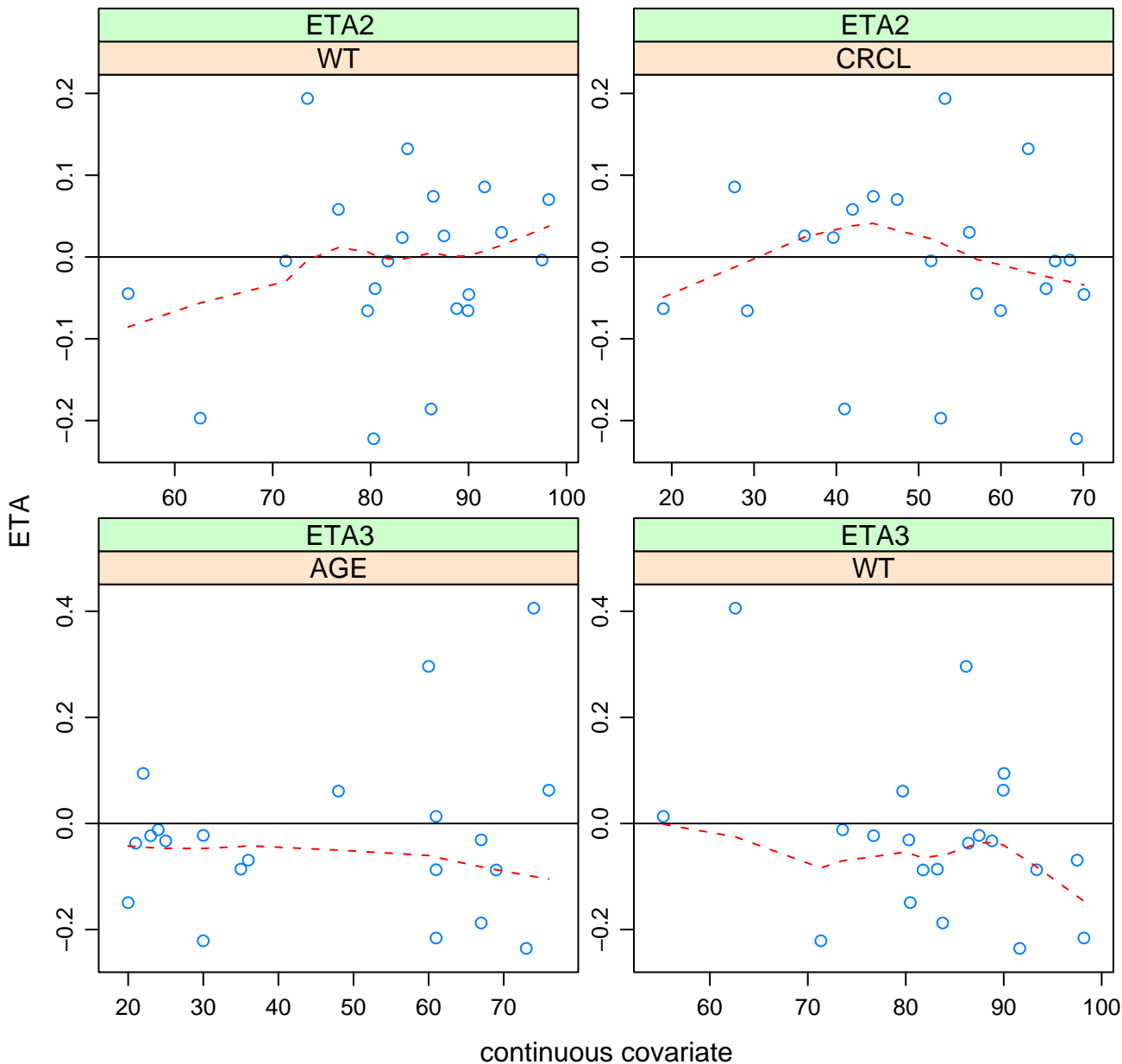
# Etas vs. Continuous Covariates

ETA



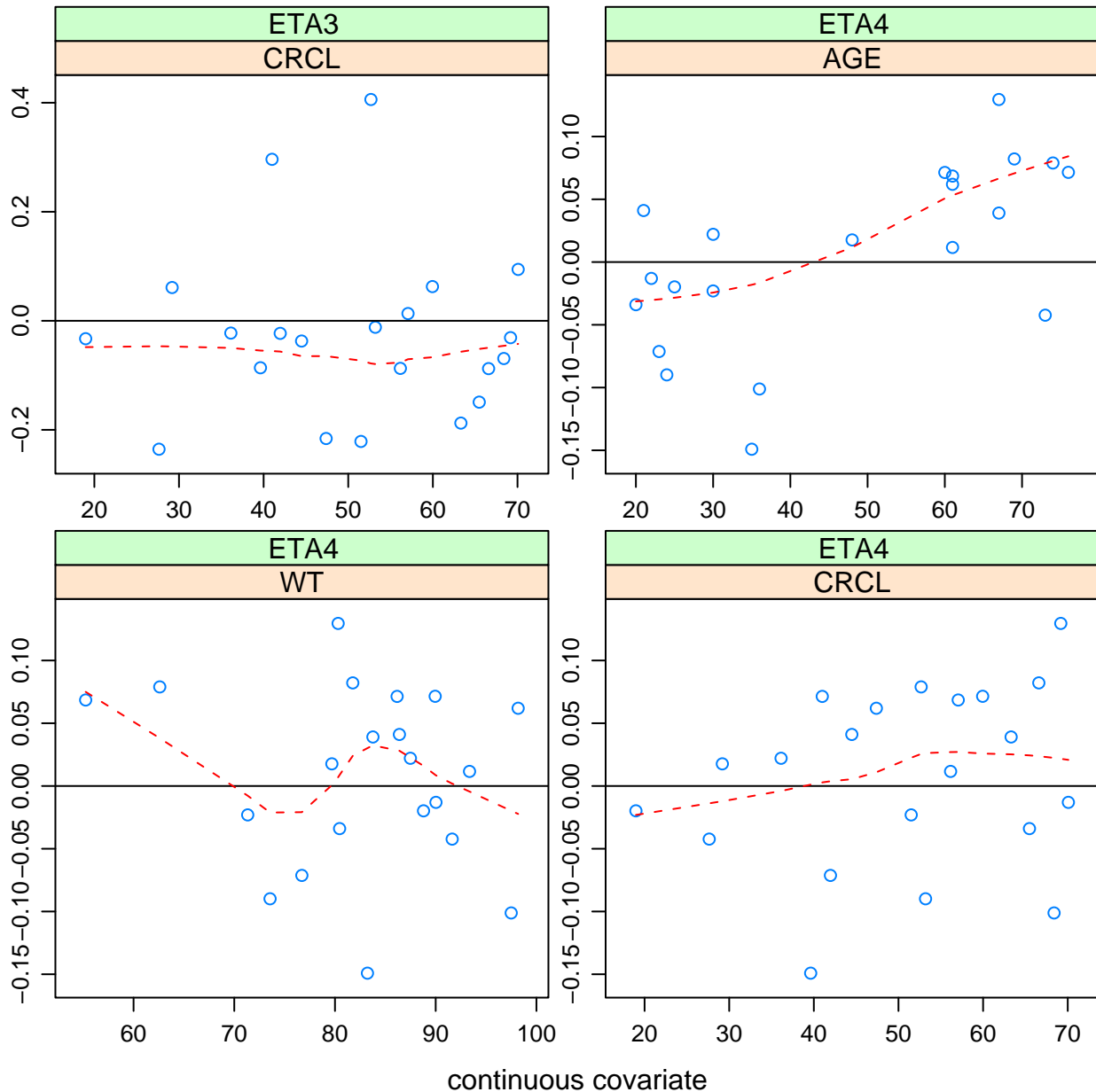
continuous covariate

# Etas vs. Continuous Covariates



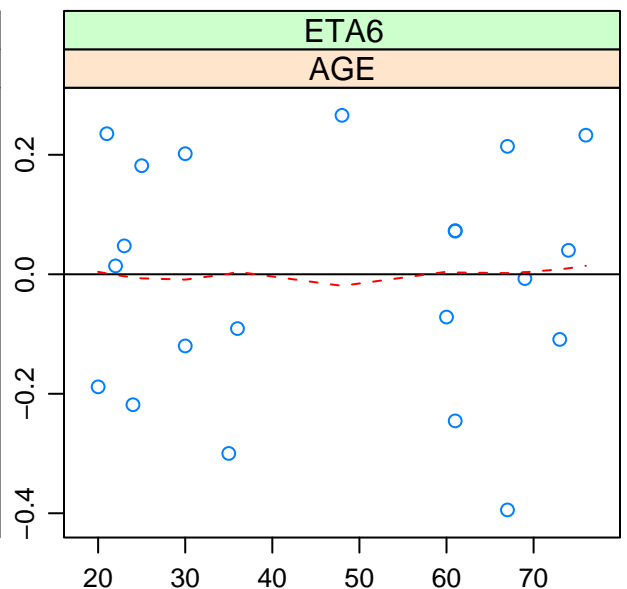
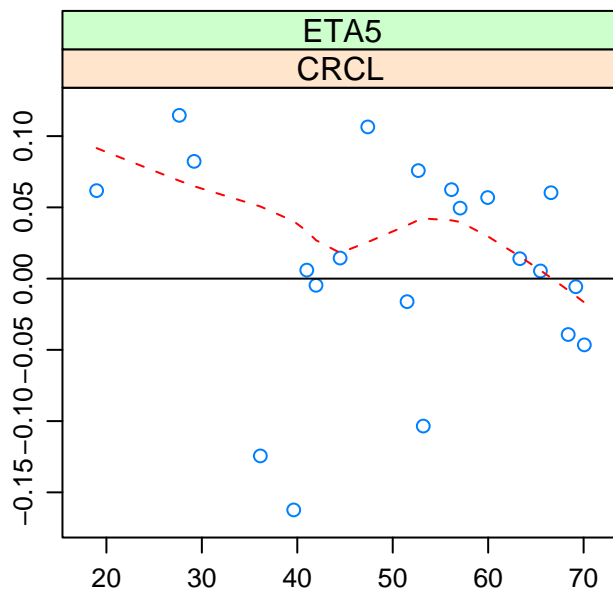
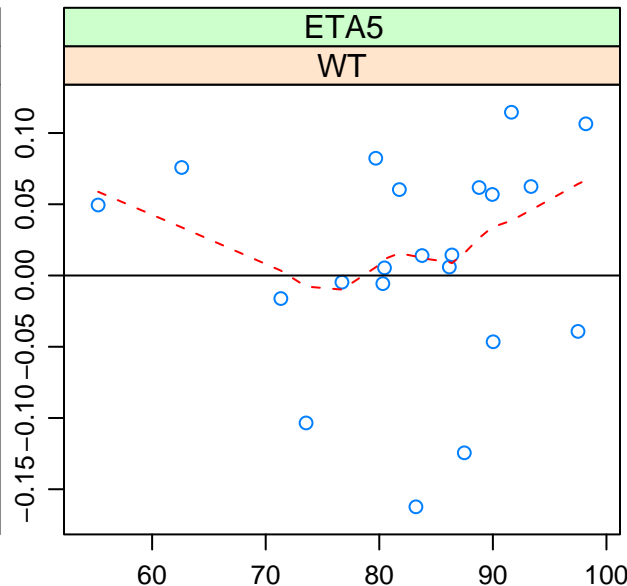
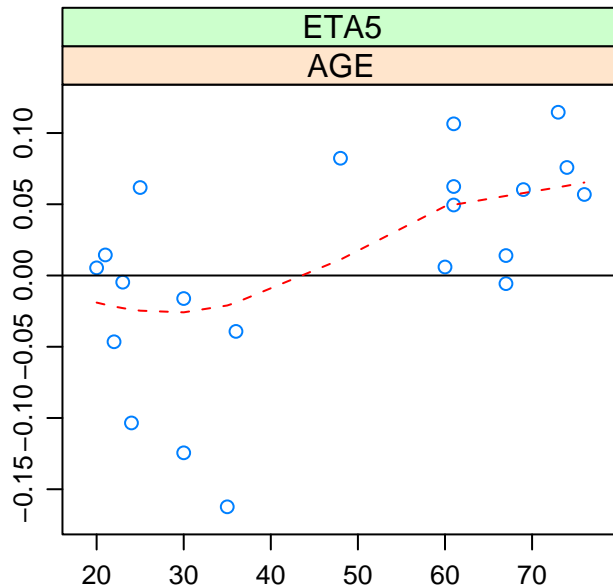
# Etas vs. Continuous Covariates

ETA



# Etas vs. Continuous Covariates

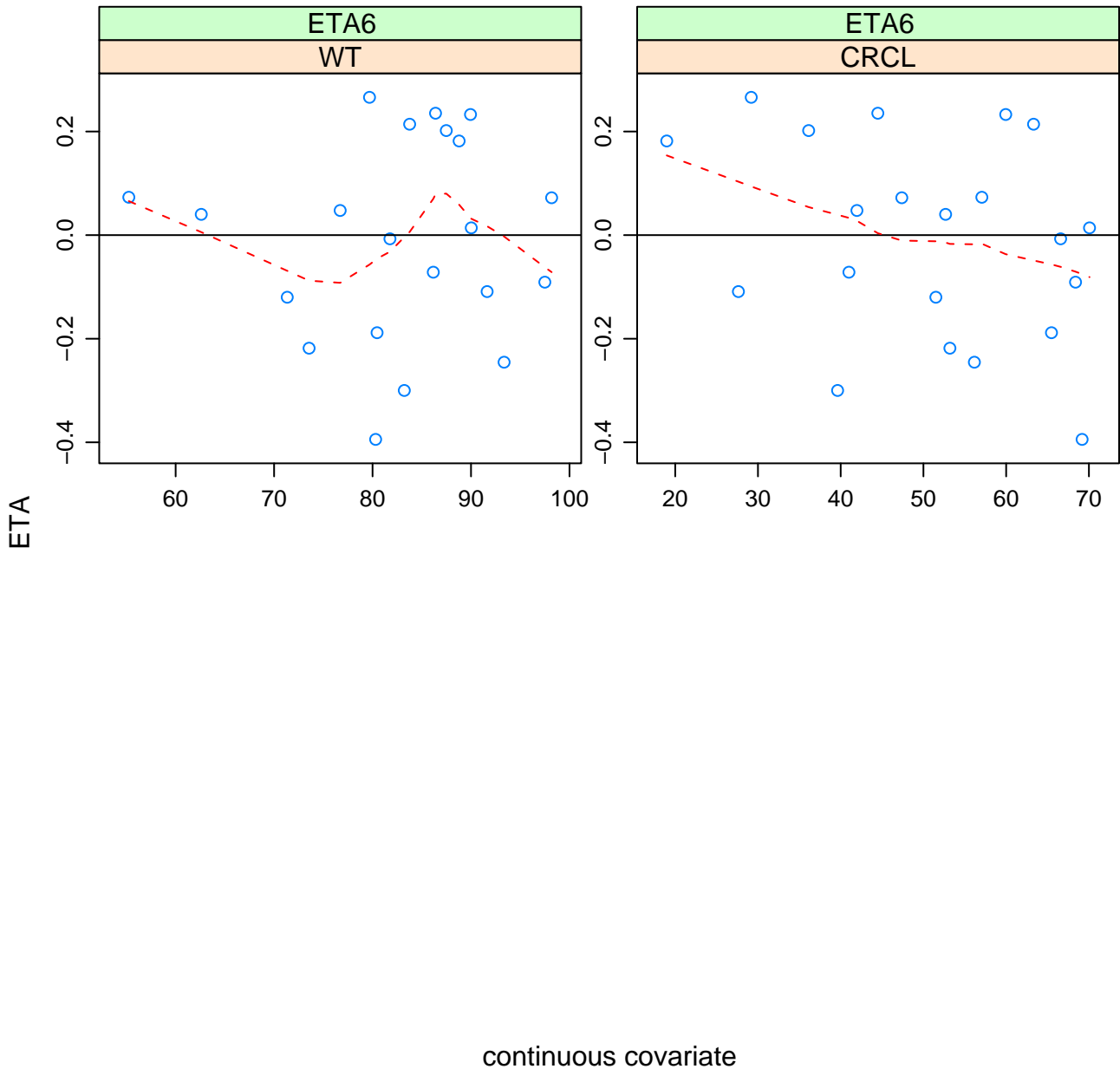
ETA



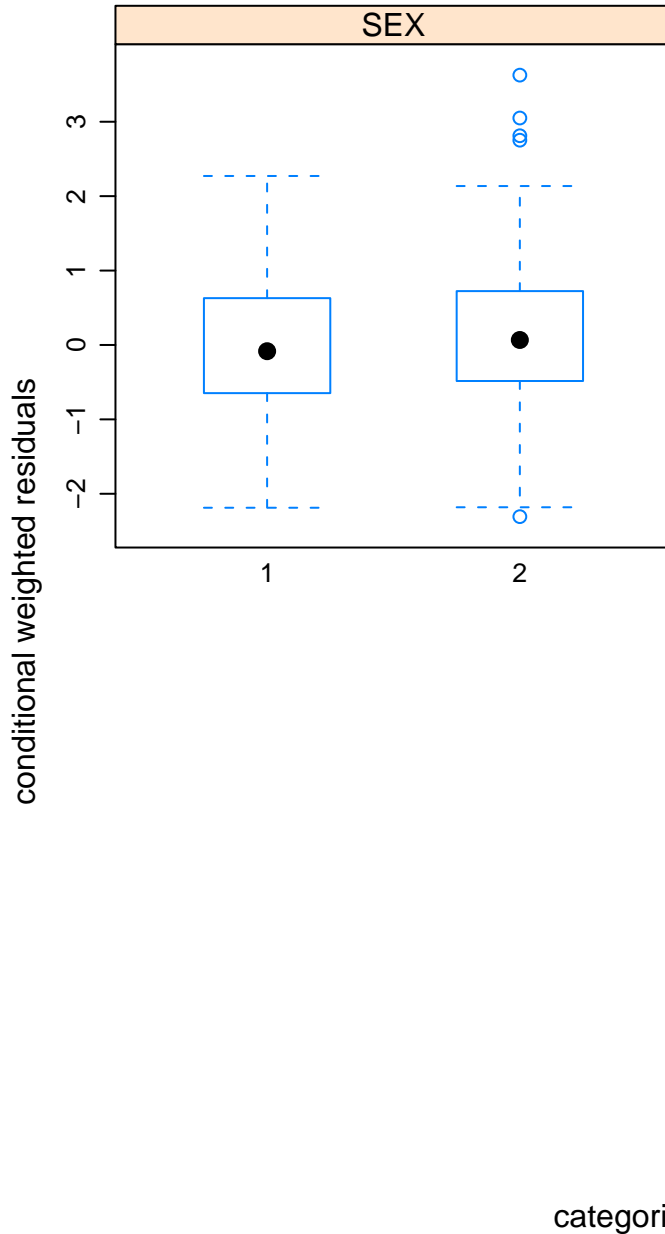
continuous covariate



# Etas vs. Continuous Covariates



# CWRES vs. Categorical Covariates



# CWRES vs. Continuous Covariates

