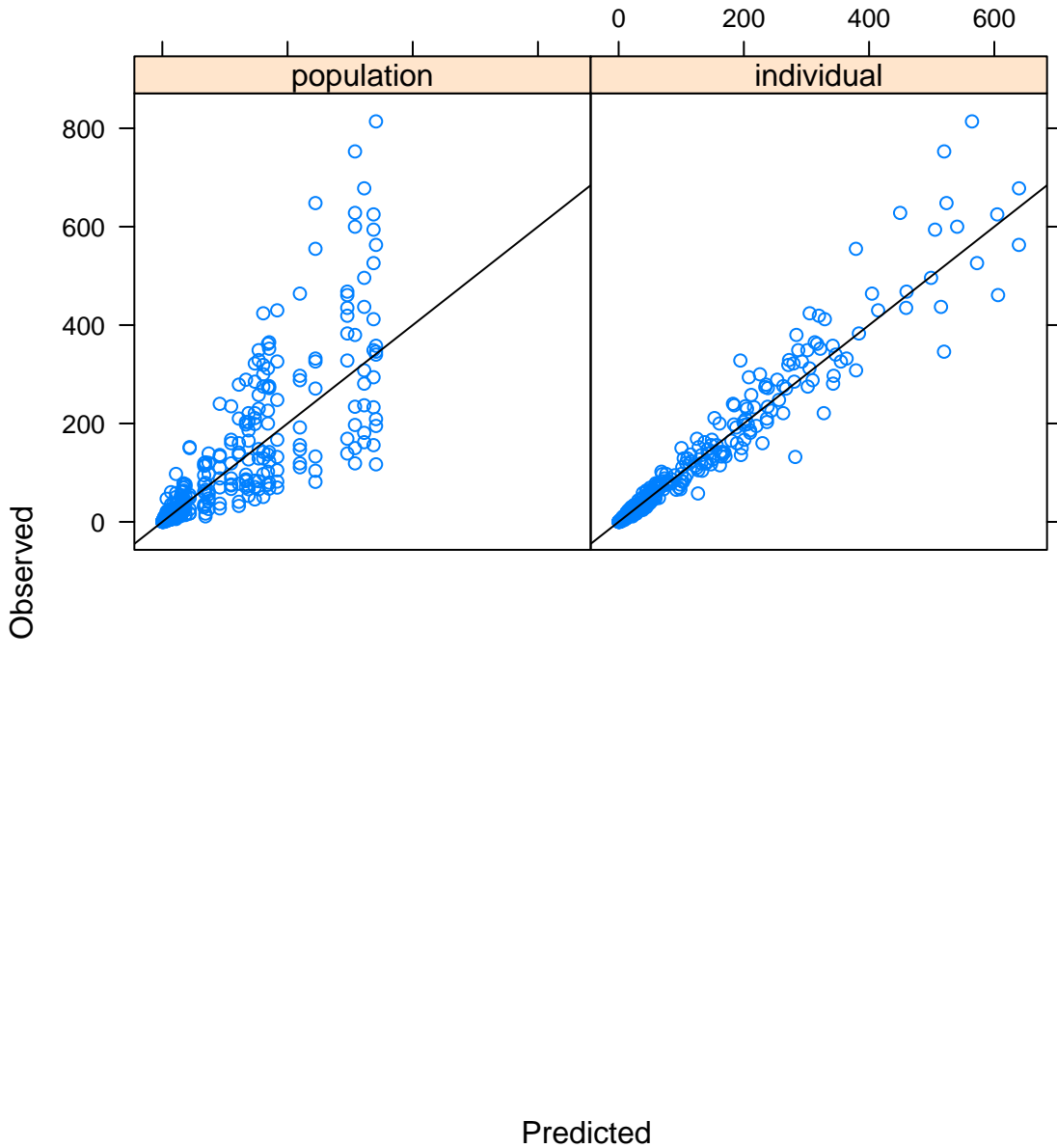


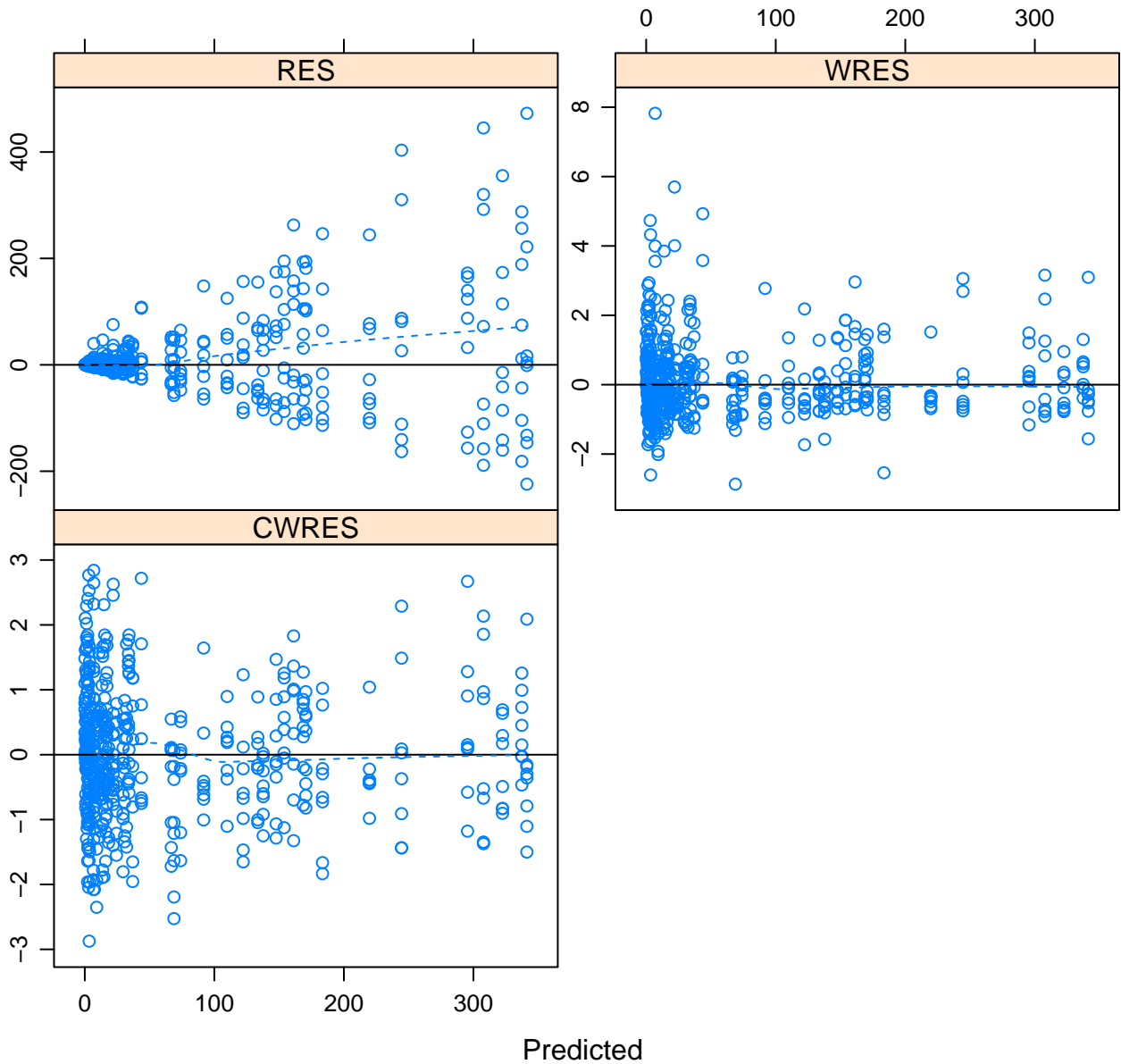
# Model 1001

## Observed vs. Predicted for all data



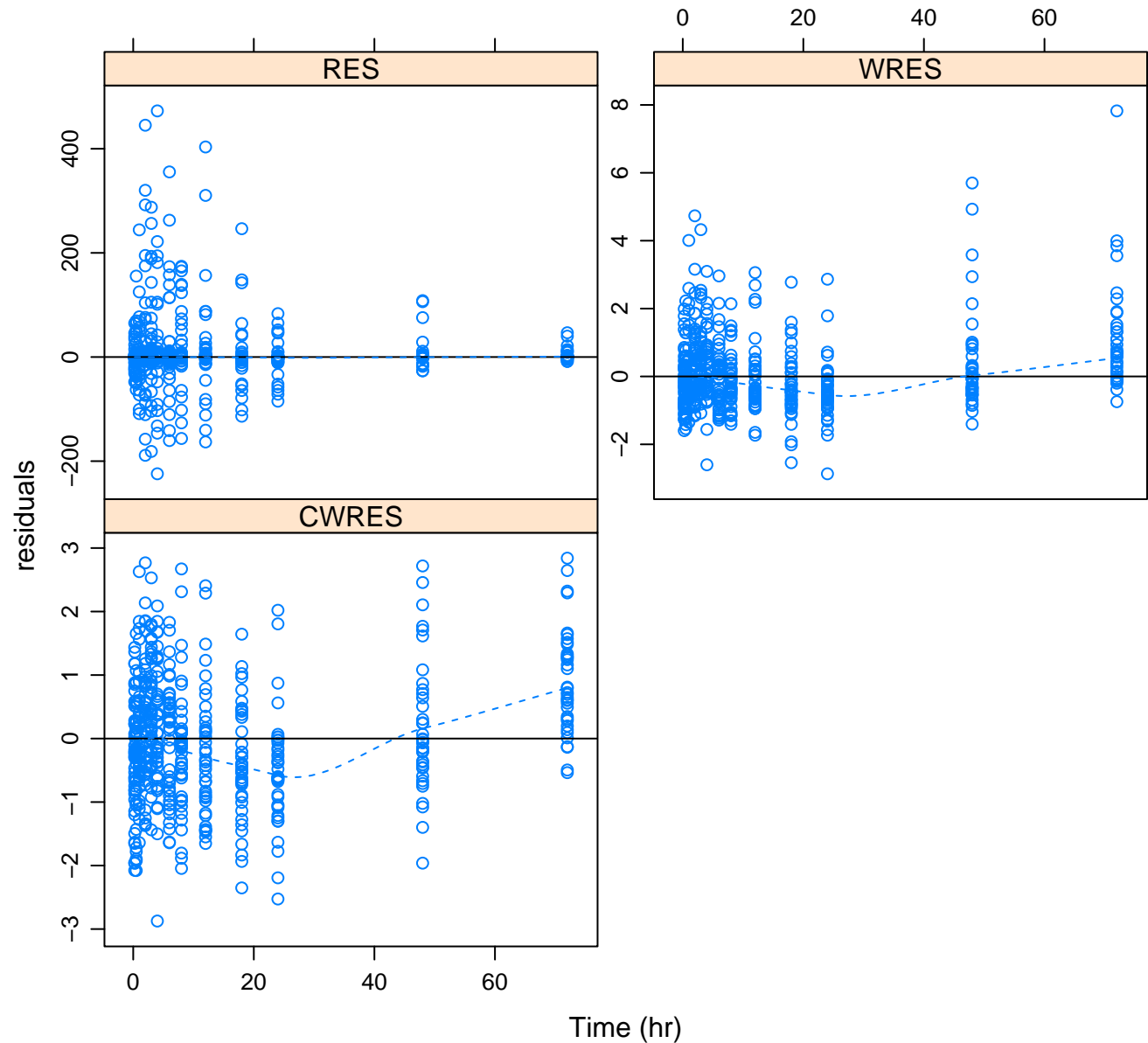
# Model 1001

## Residuals vs. Predicted for all data



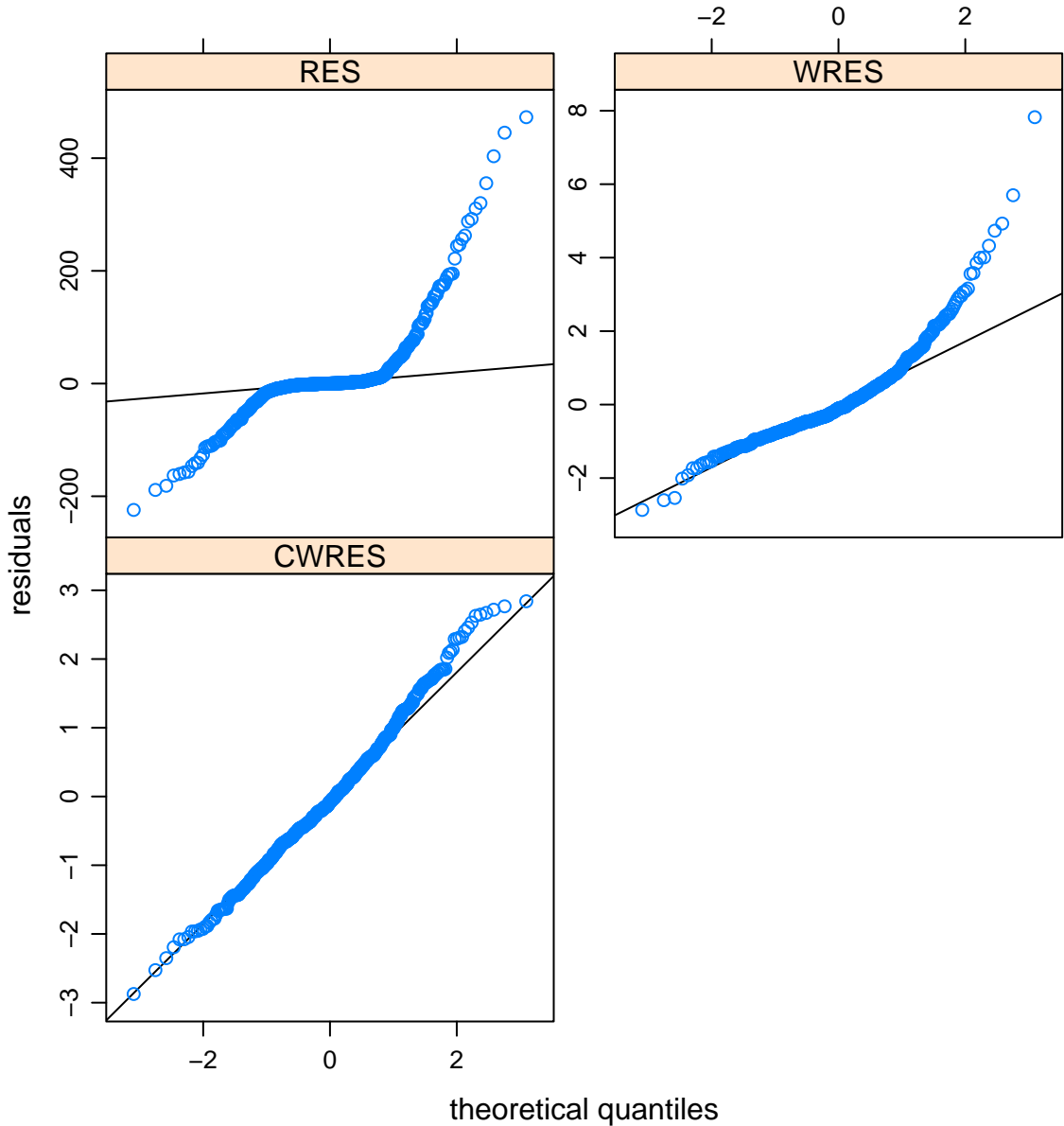
# Model 1001

## Residuals vs. Time for all data

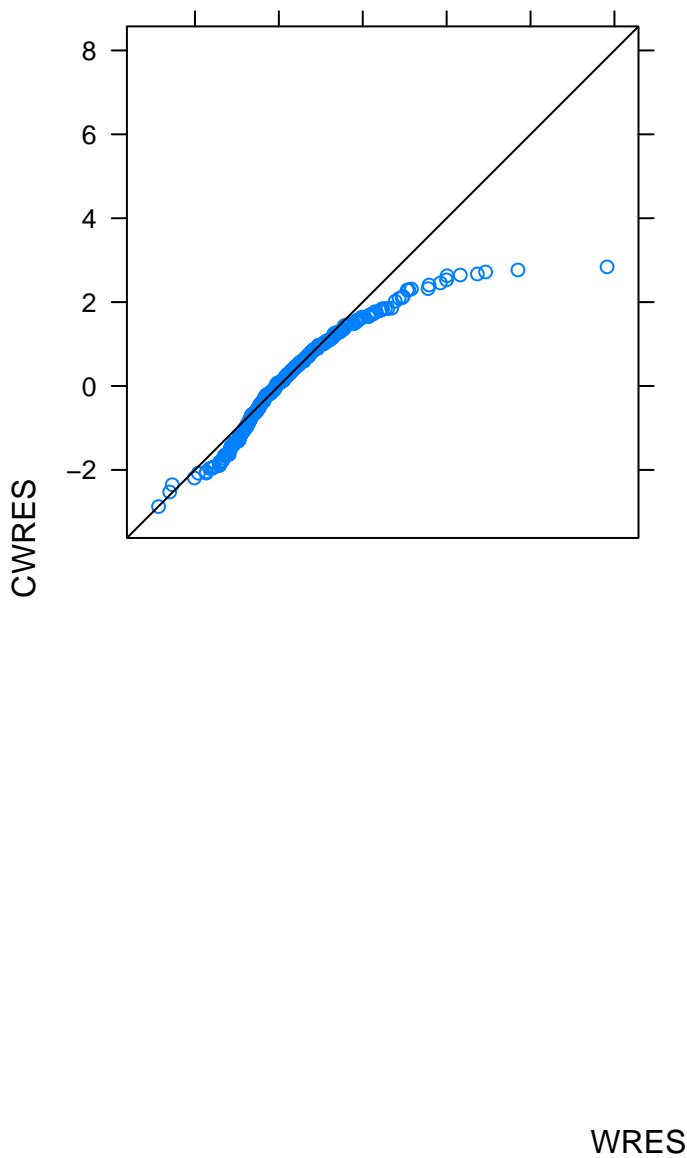


# Model 1001

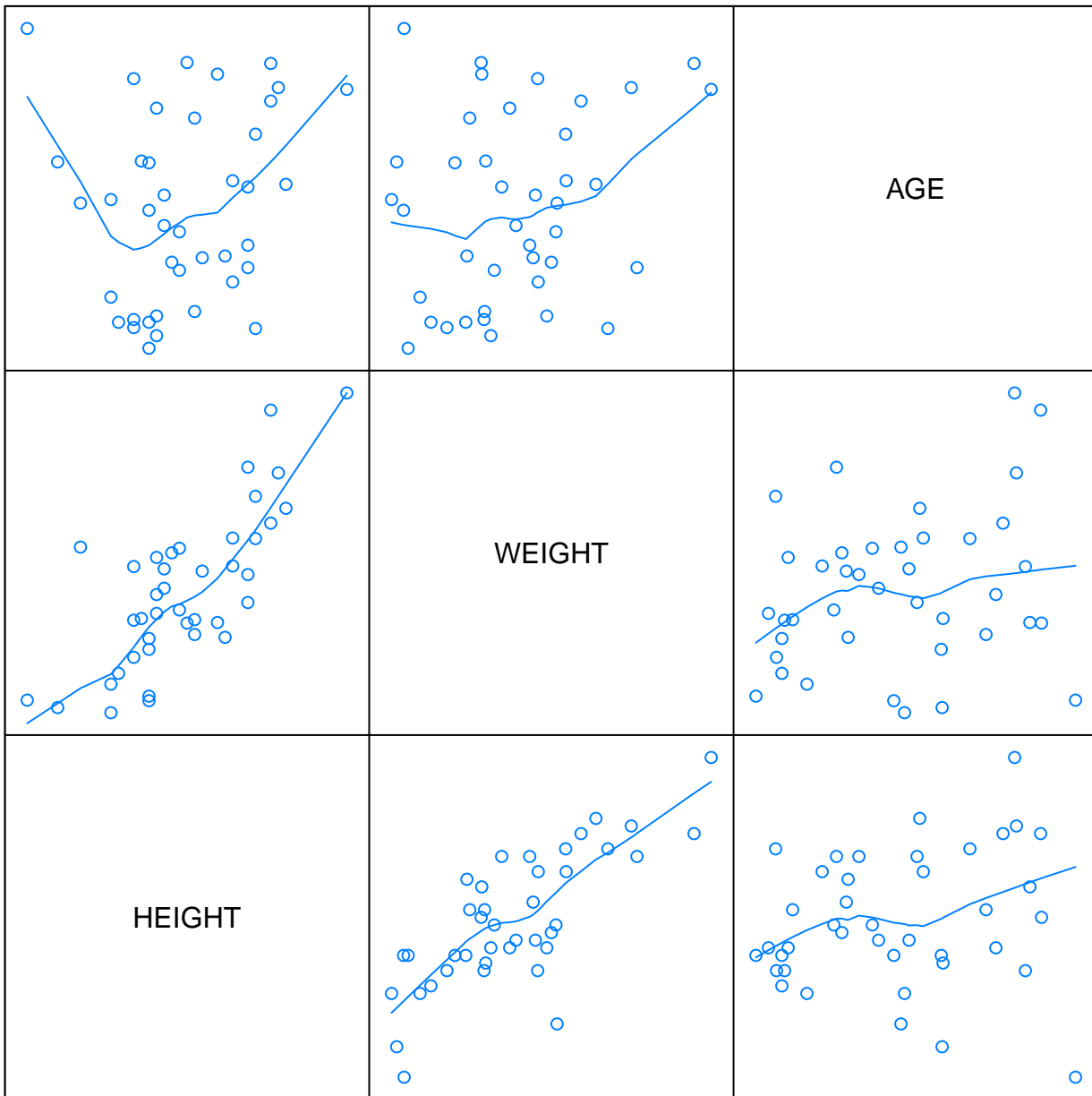
## Normal Q-Q Plot Residuals for all data



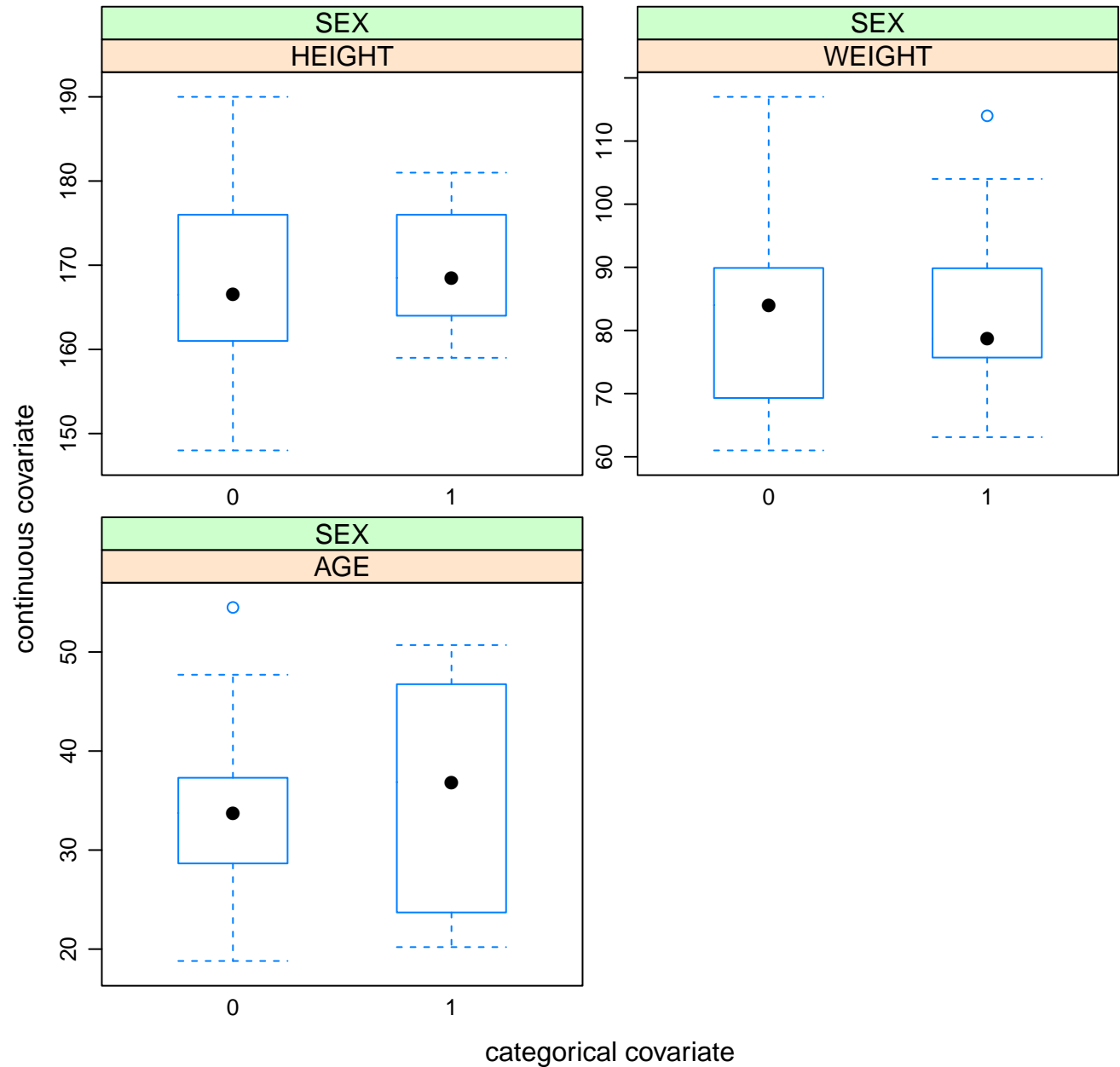
**Model 1001**  
**Q-Q Plot of CWRES vs. WRES for all data**



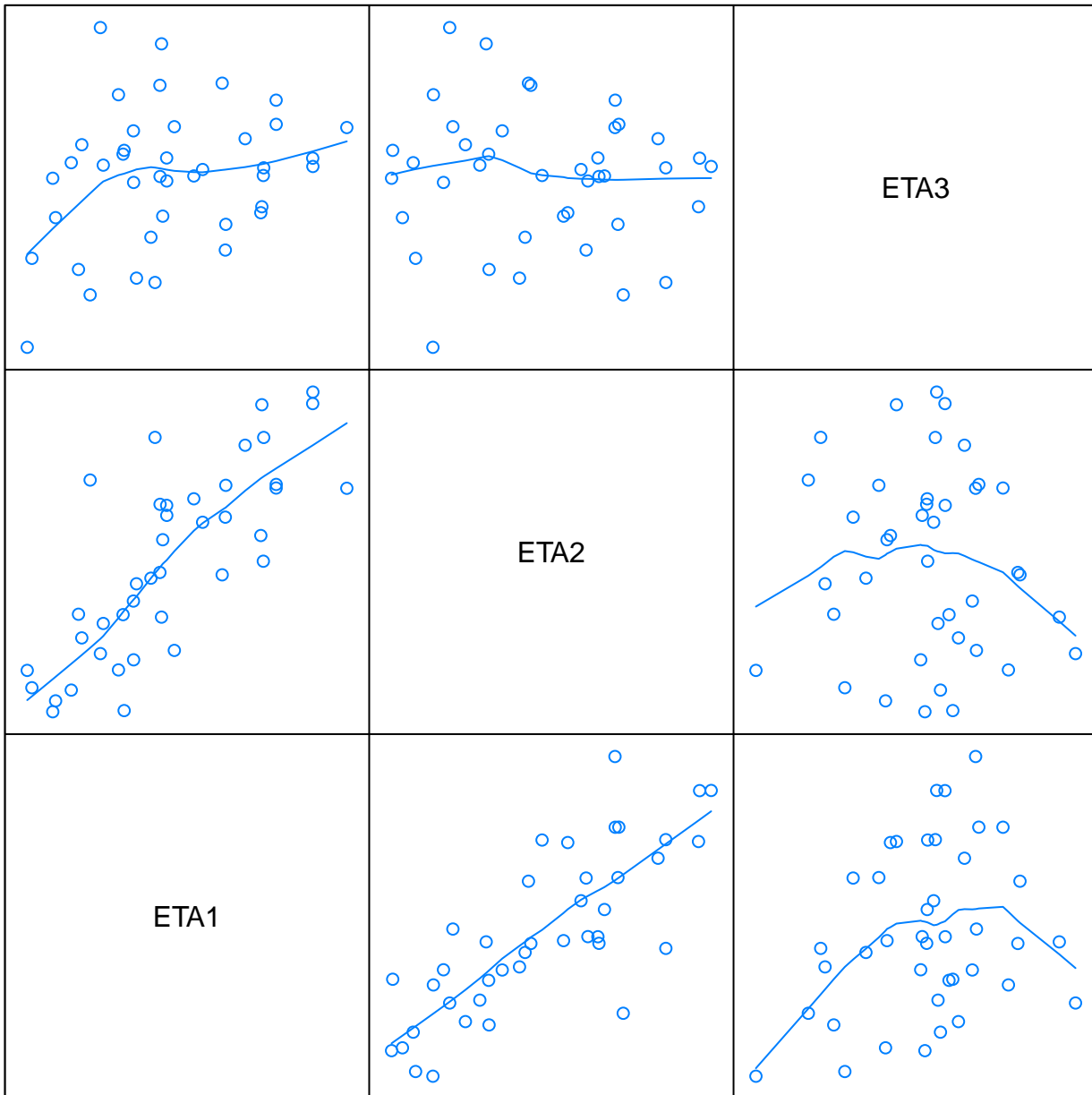
# Covariate Scatterplots



# Continuous Covariates vs. Categorical Covariates

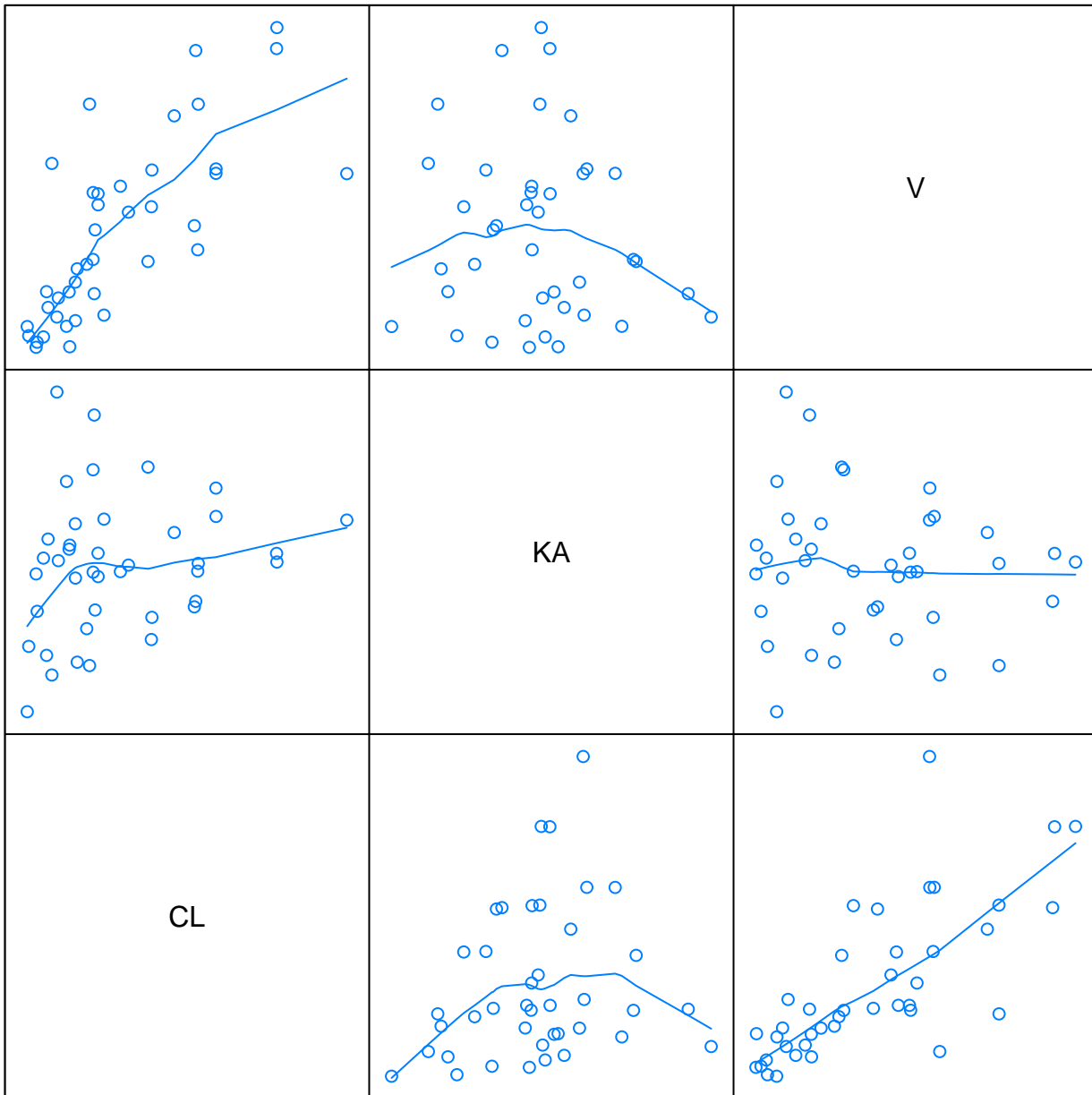


# ETA Scatterplots

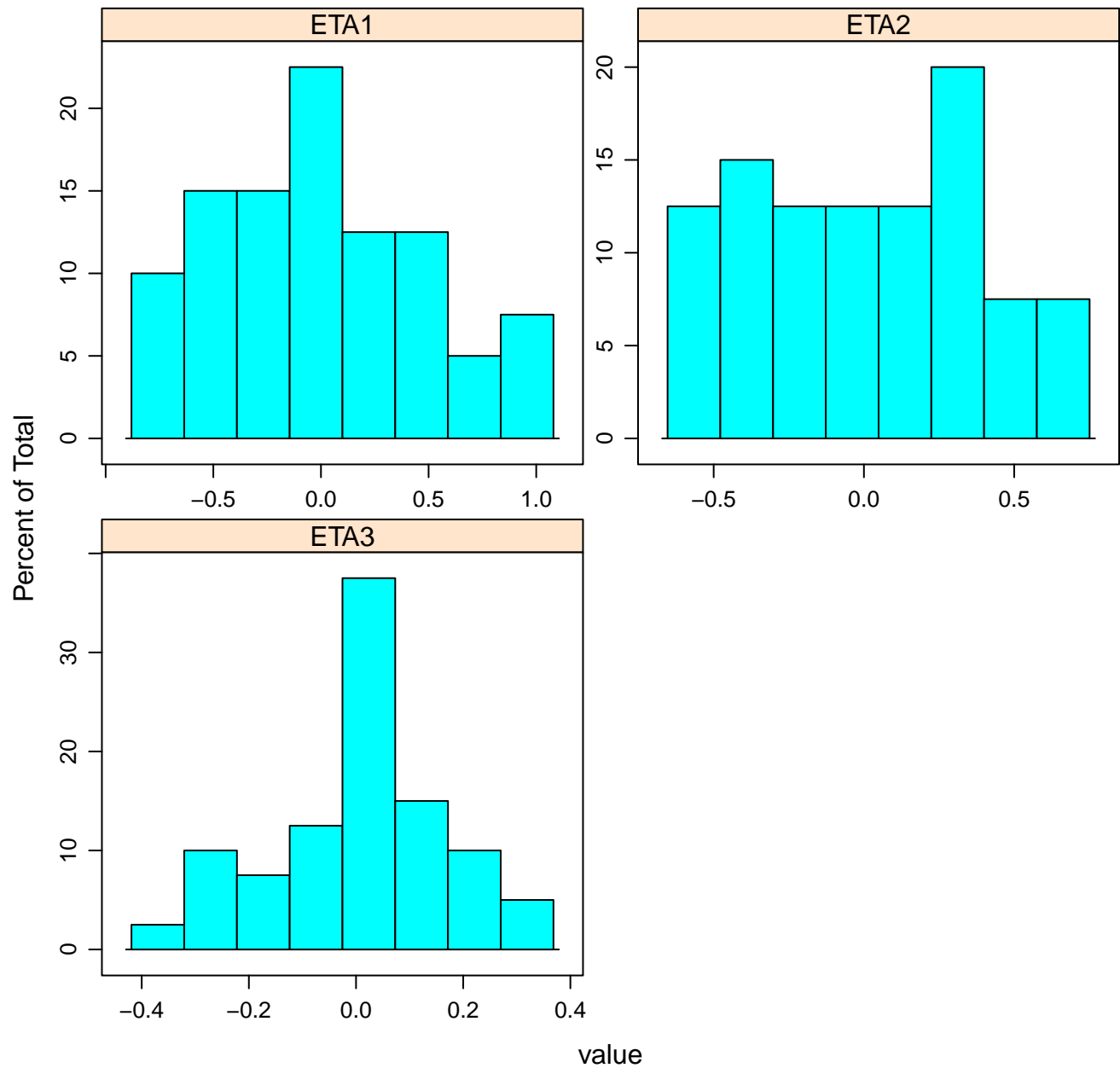




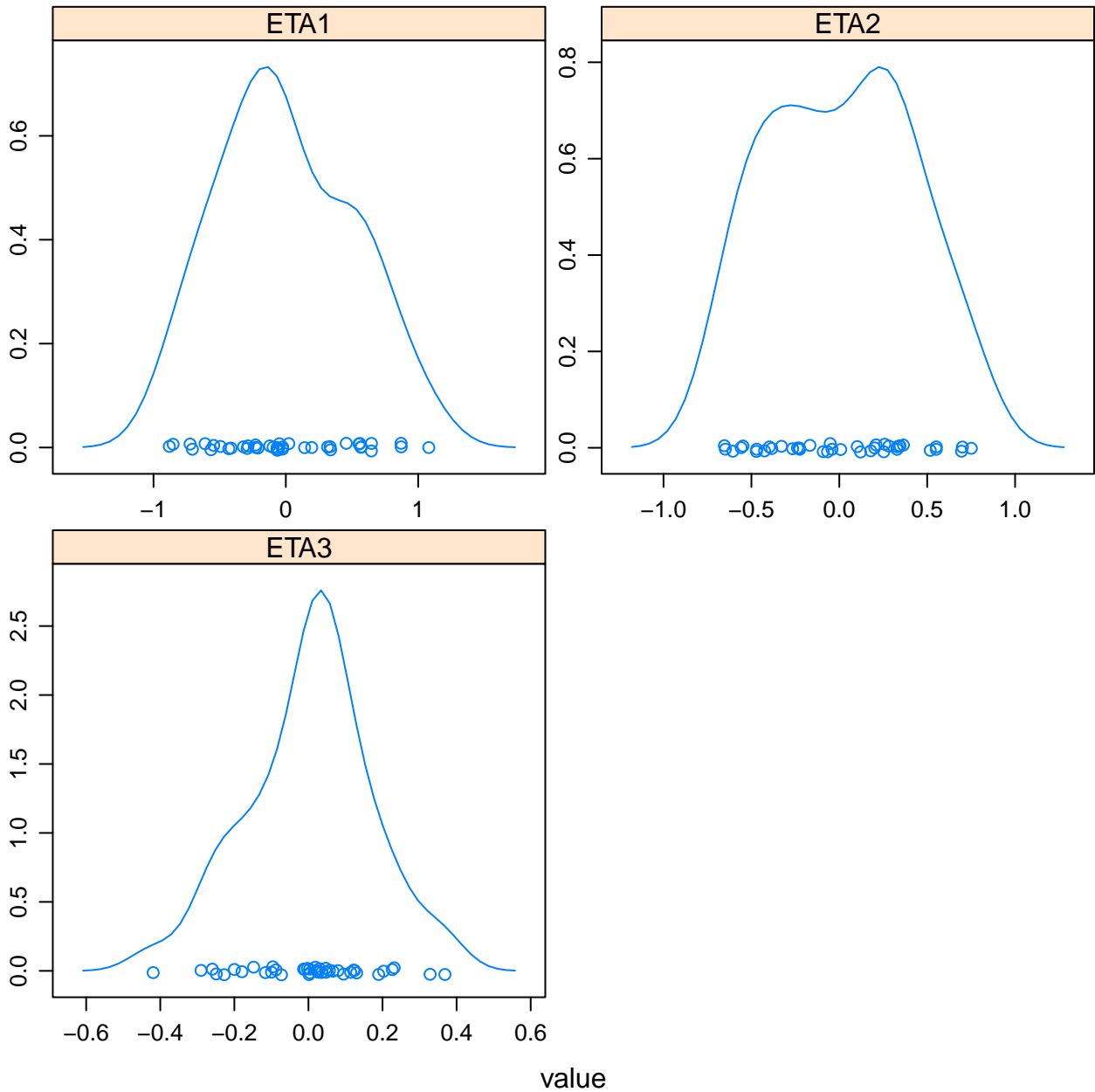
# Parameter Scatterplots



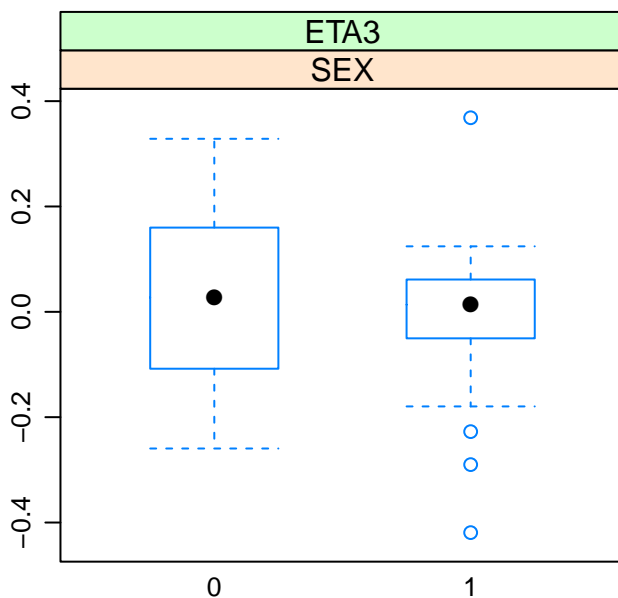
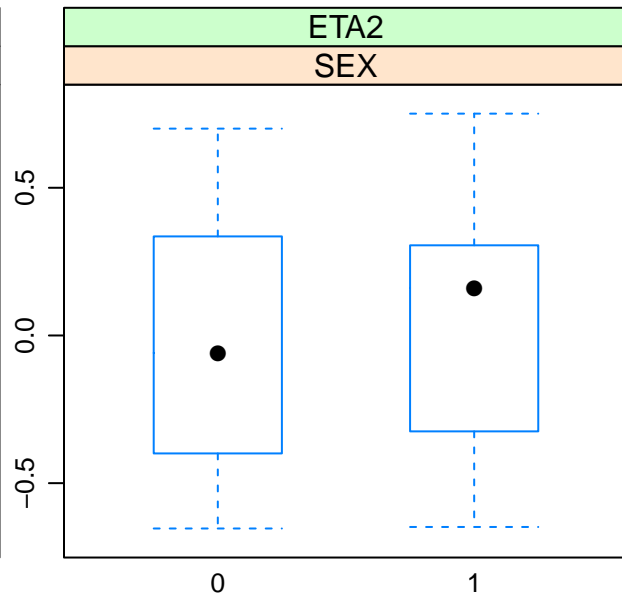
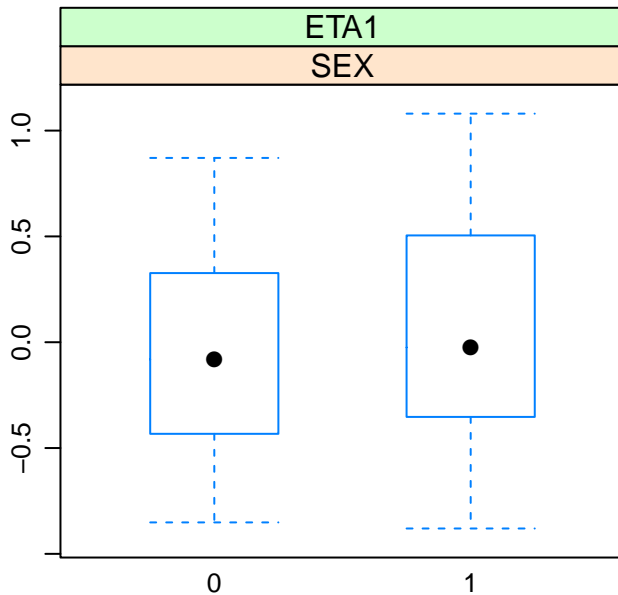
# Histograms of Etas



# Density of Etas

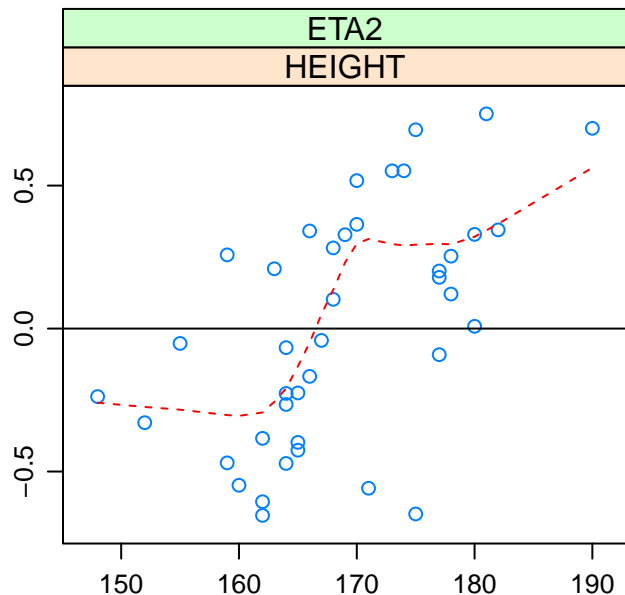
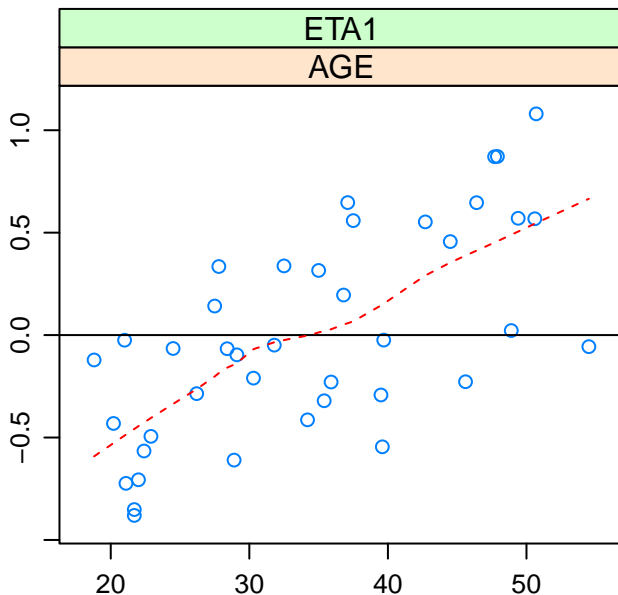
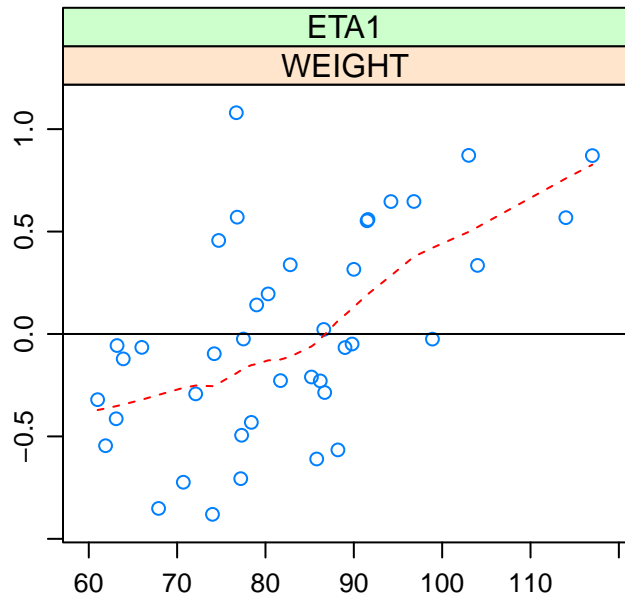
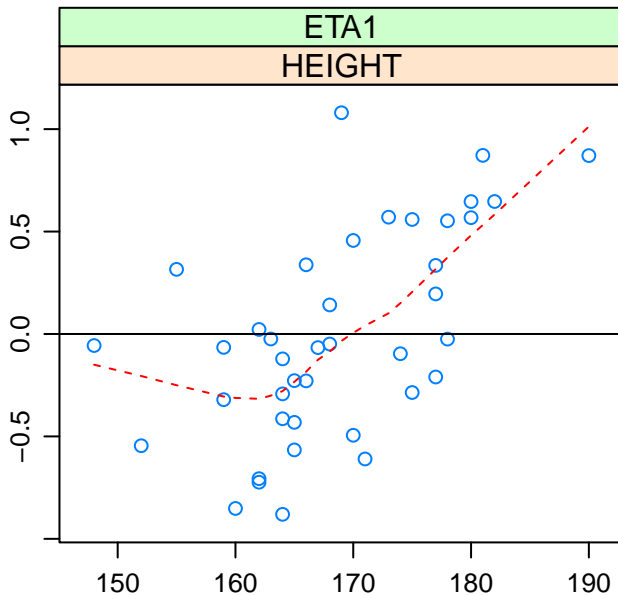


# Boxplots of Etas by Categorical Covariate



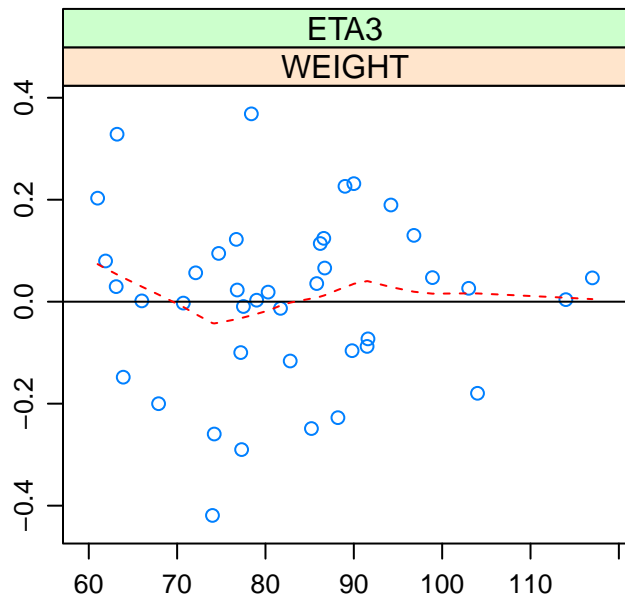
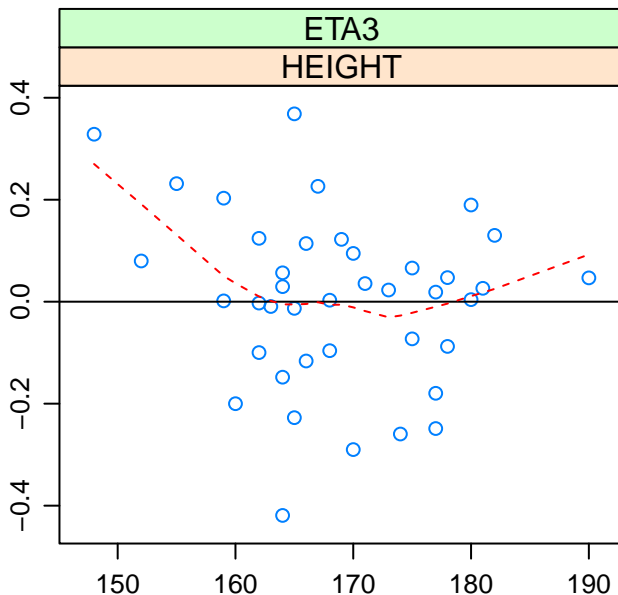
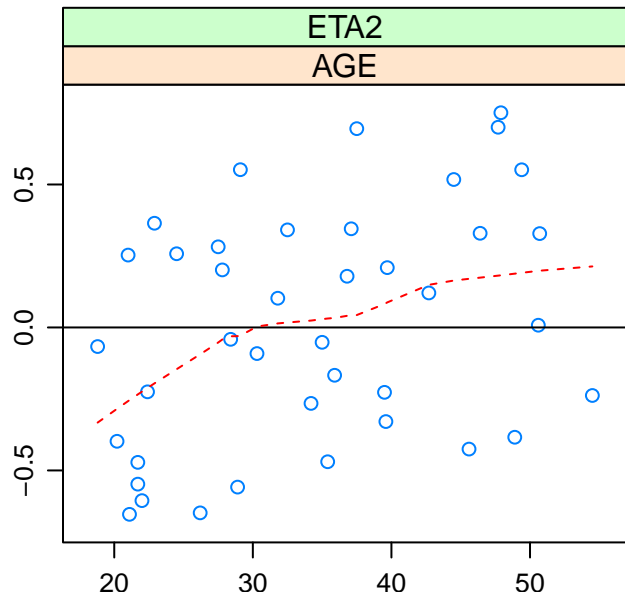
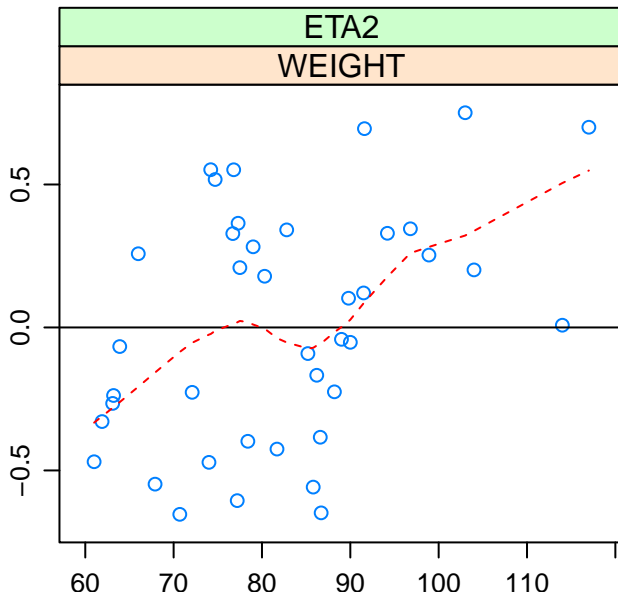
categorical covariate level

# Etas vs. Continuous Covariates



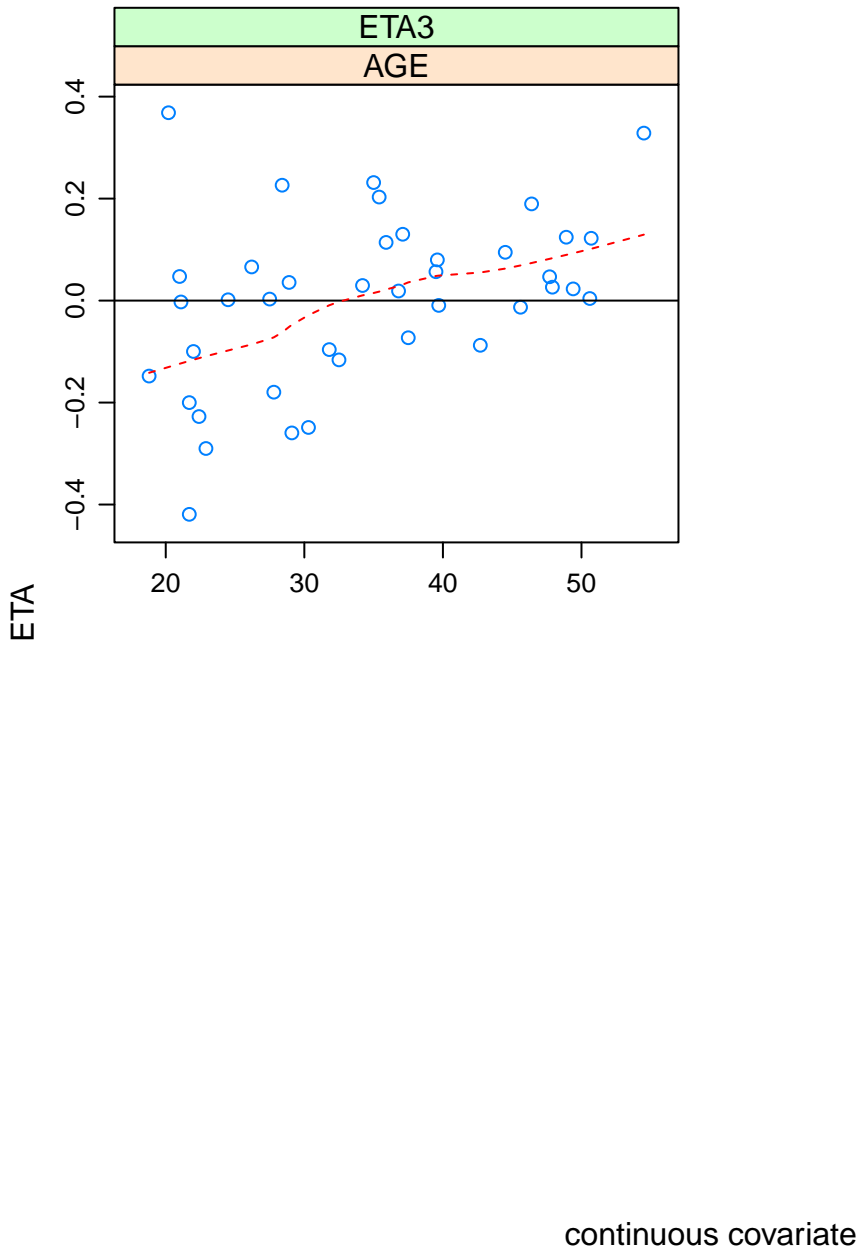
continuous covariate

# Etas vs. Continuous Covariates

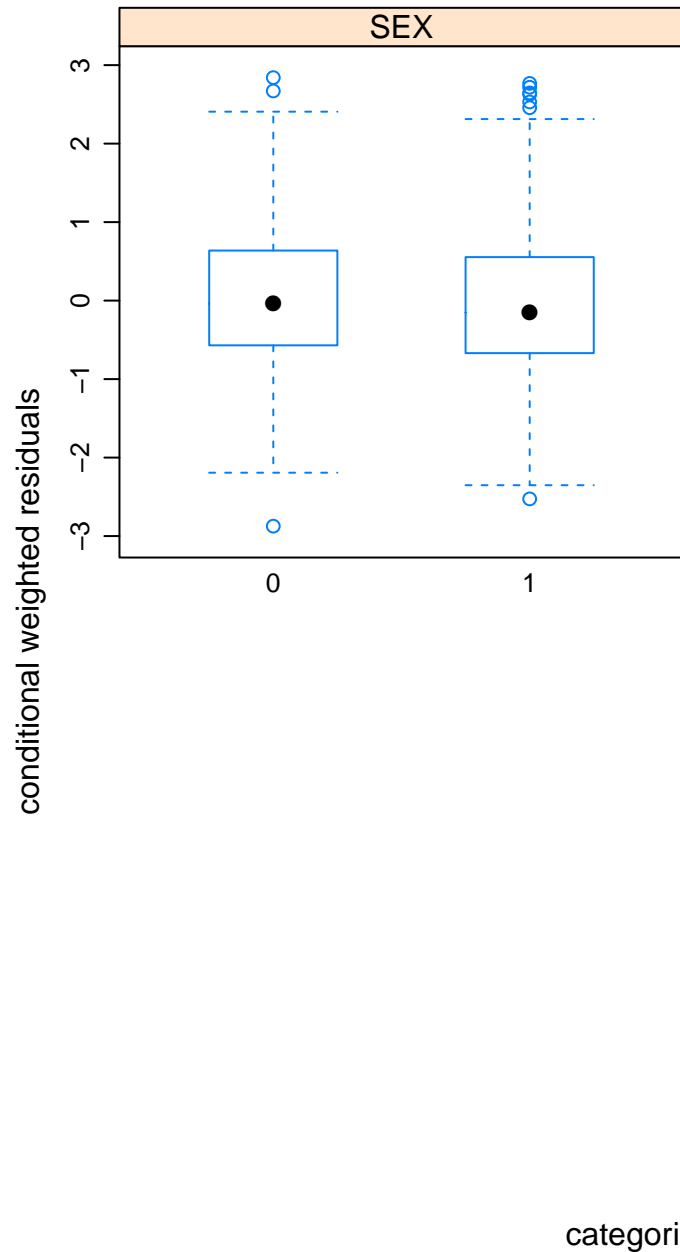


continuous covariate

# Etas vs. Continuous Covariates

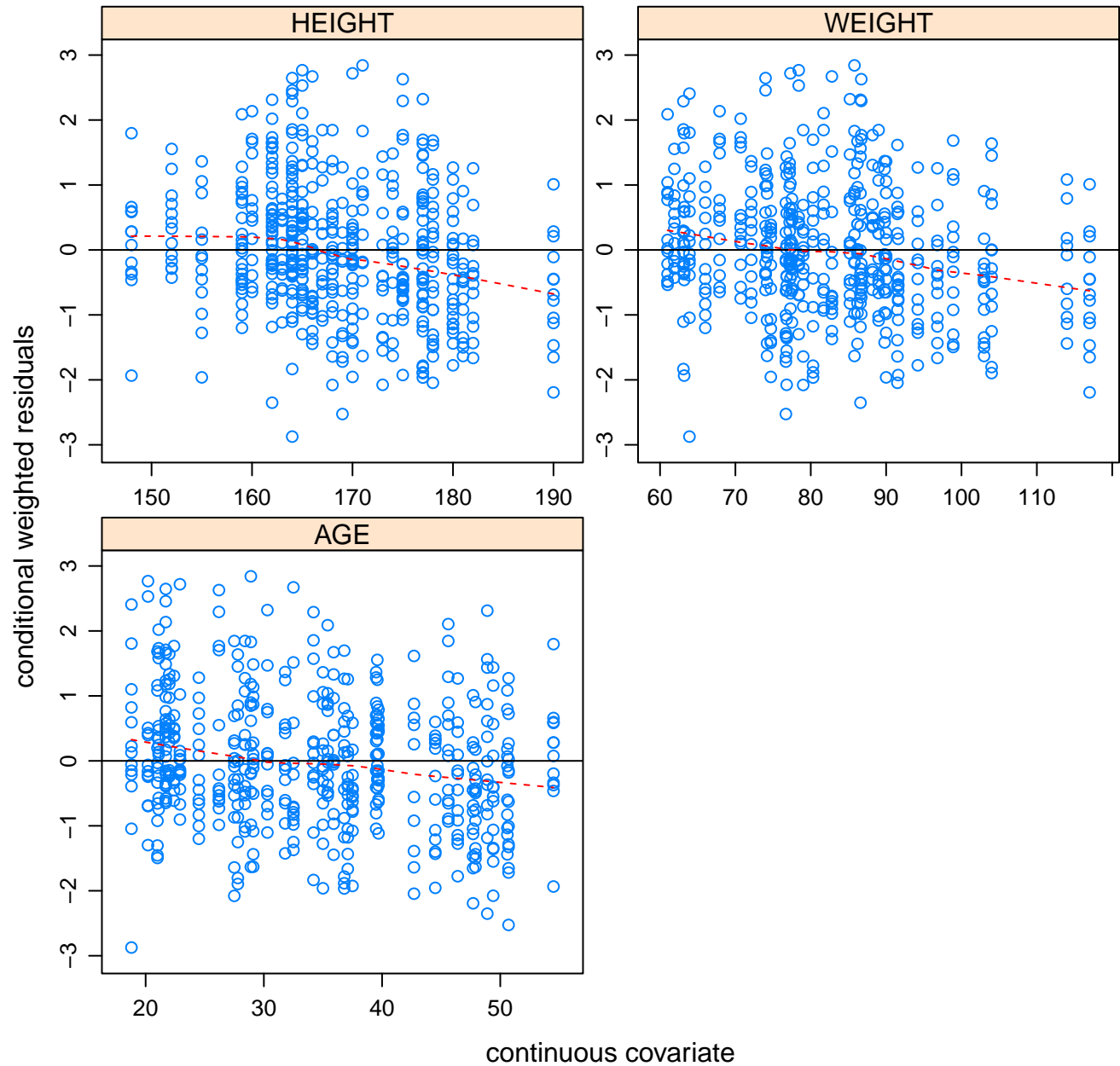


# CWRES vs. Categorical Covariates

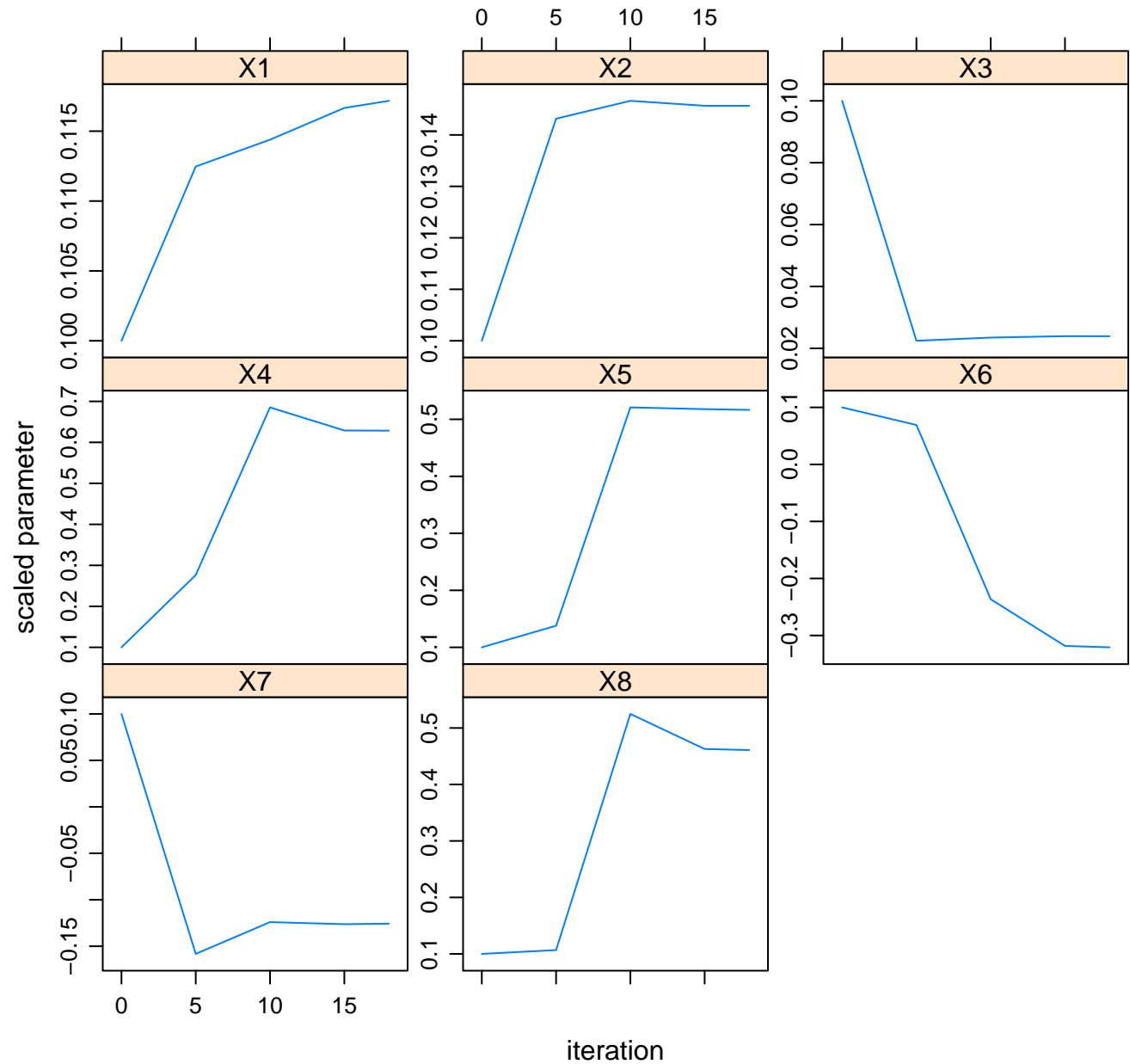




# CWRES vs. Continuous Covariates



# Model 1001 parameter search



# Model 1001 gradient search

