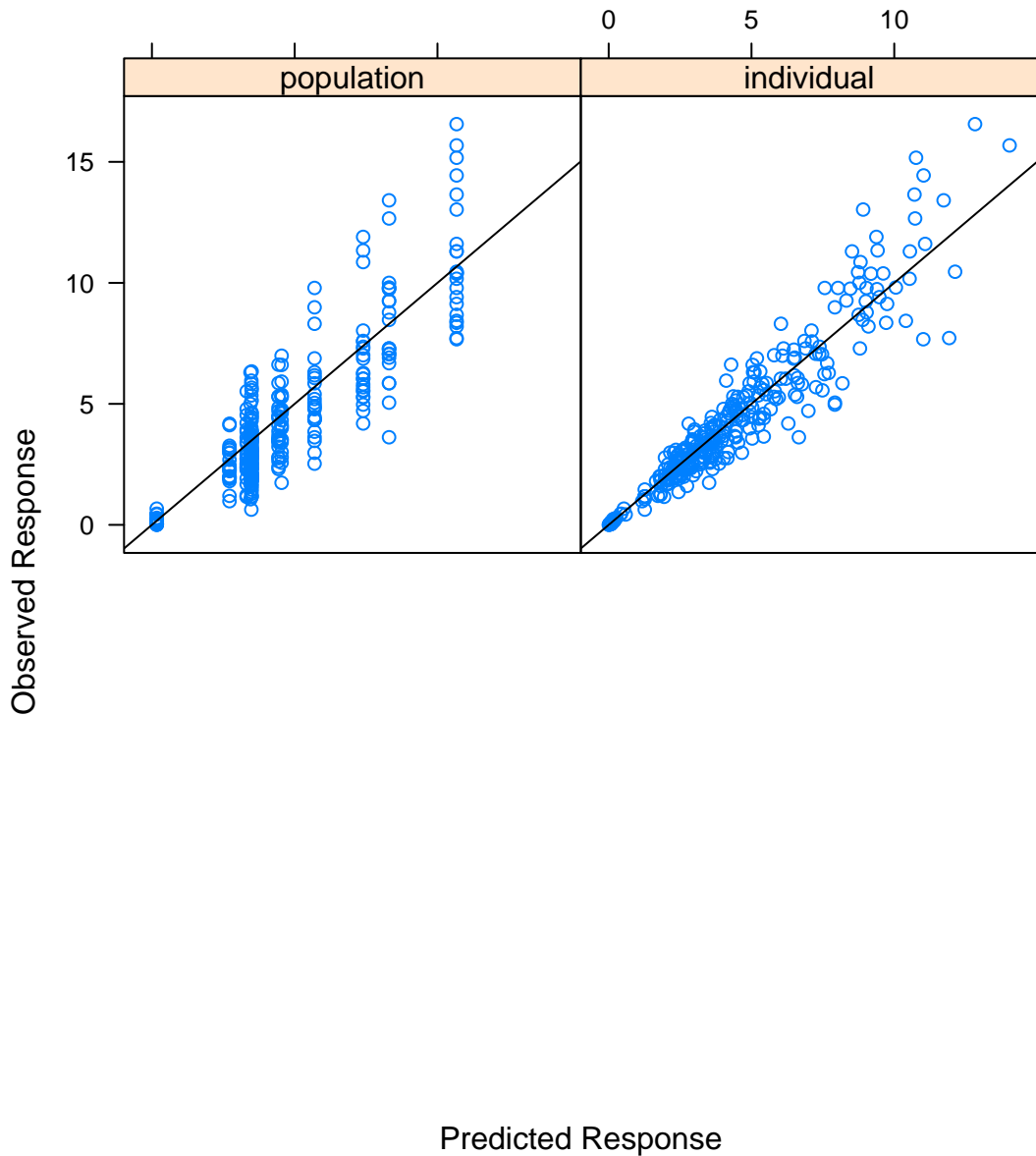


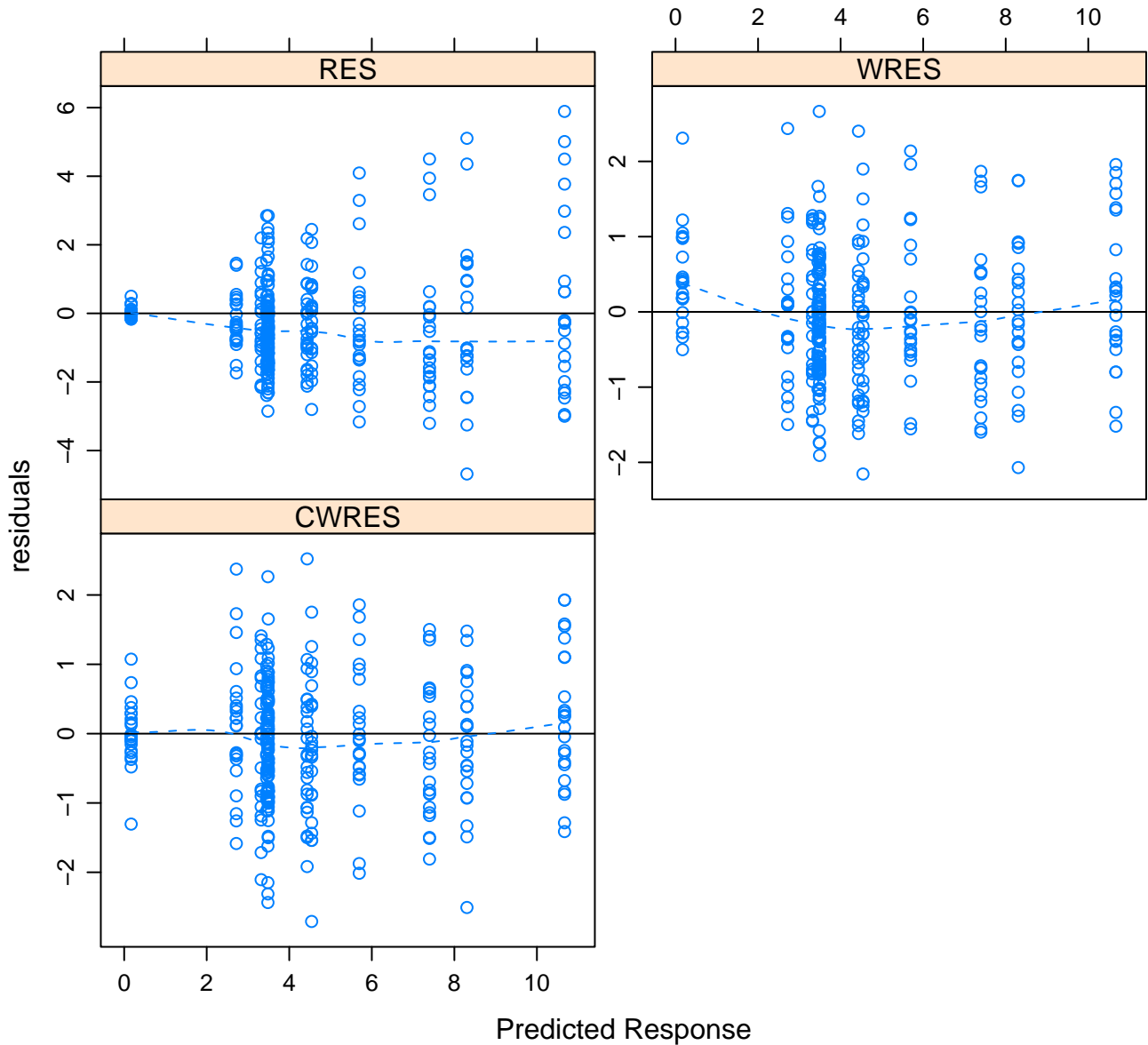
# Model 1

## Observed vs. Predicted for female data



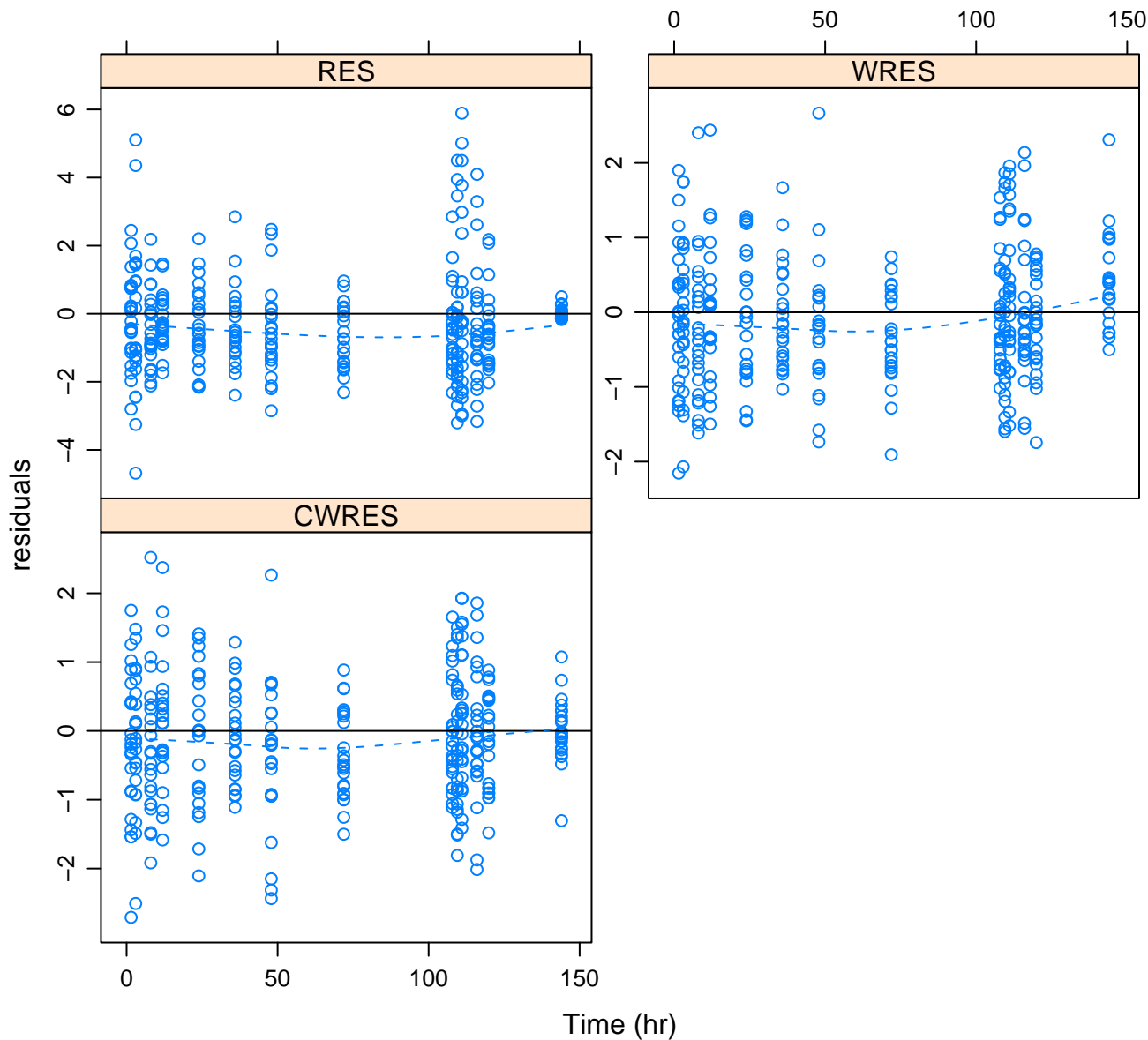
# Model 1

## Residuals vs. Predicted for female data



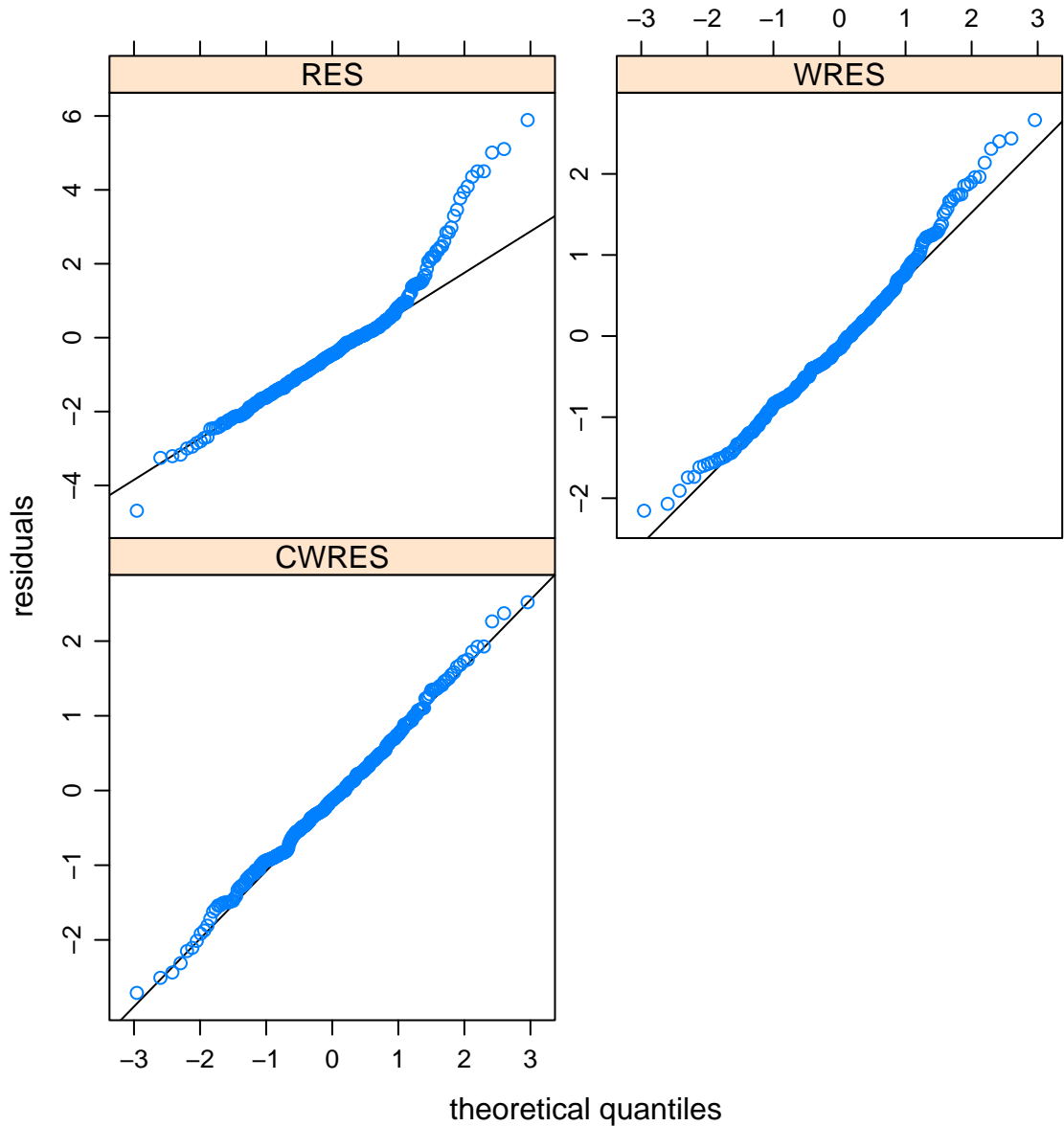
# Model 1

## Residuals vs. Time for female data



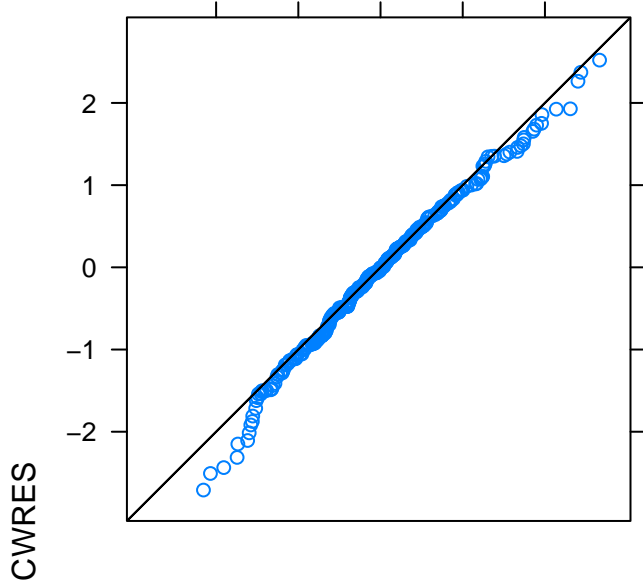
# Model 1

## Normal Q-Q Plot Residuals for female data



# Model 1

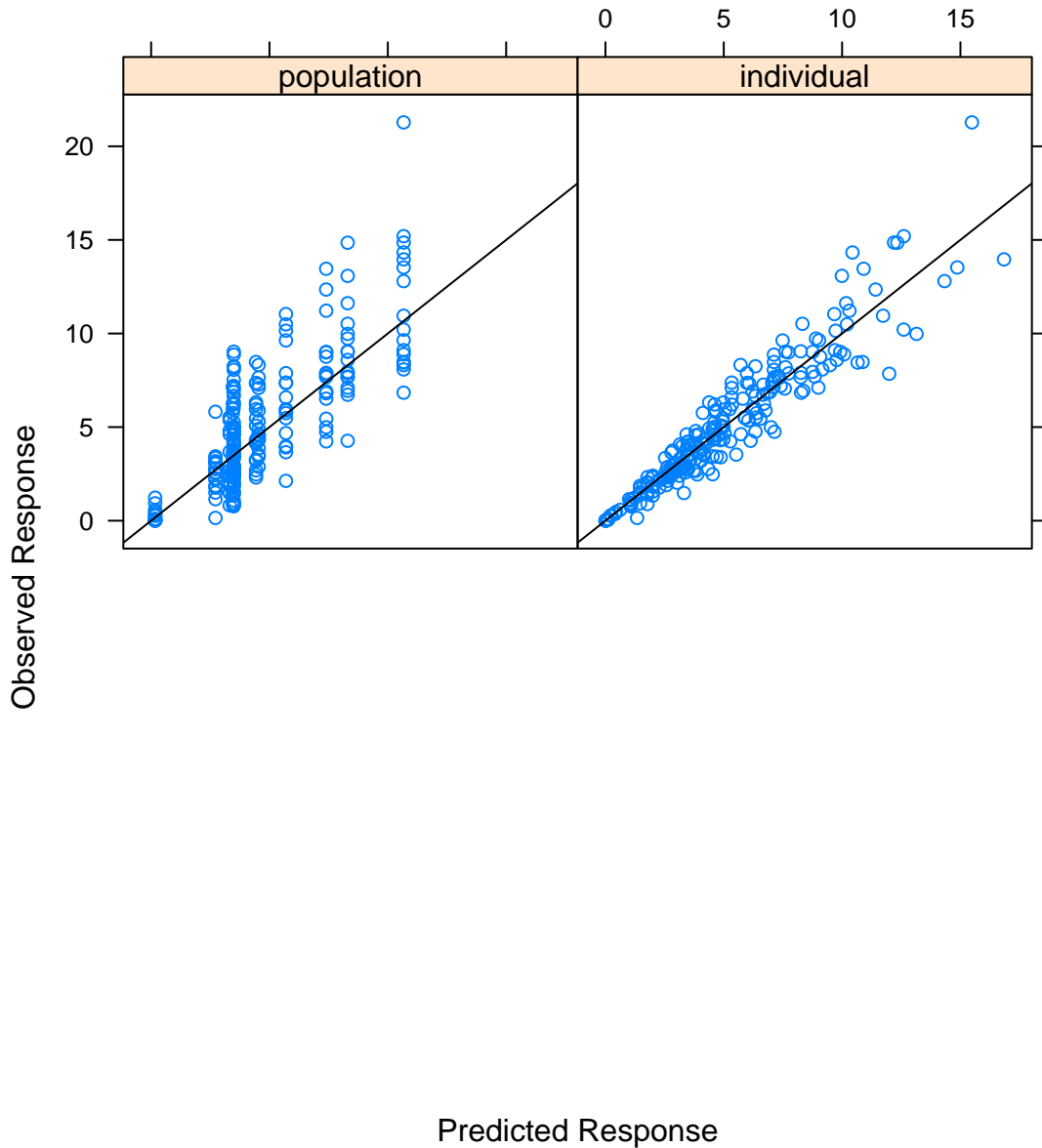
## Q-Q Plot of CWRES vs. WRES for female data



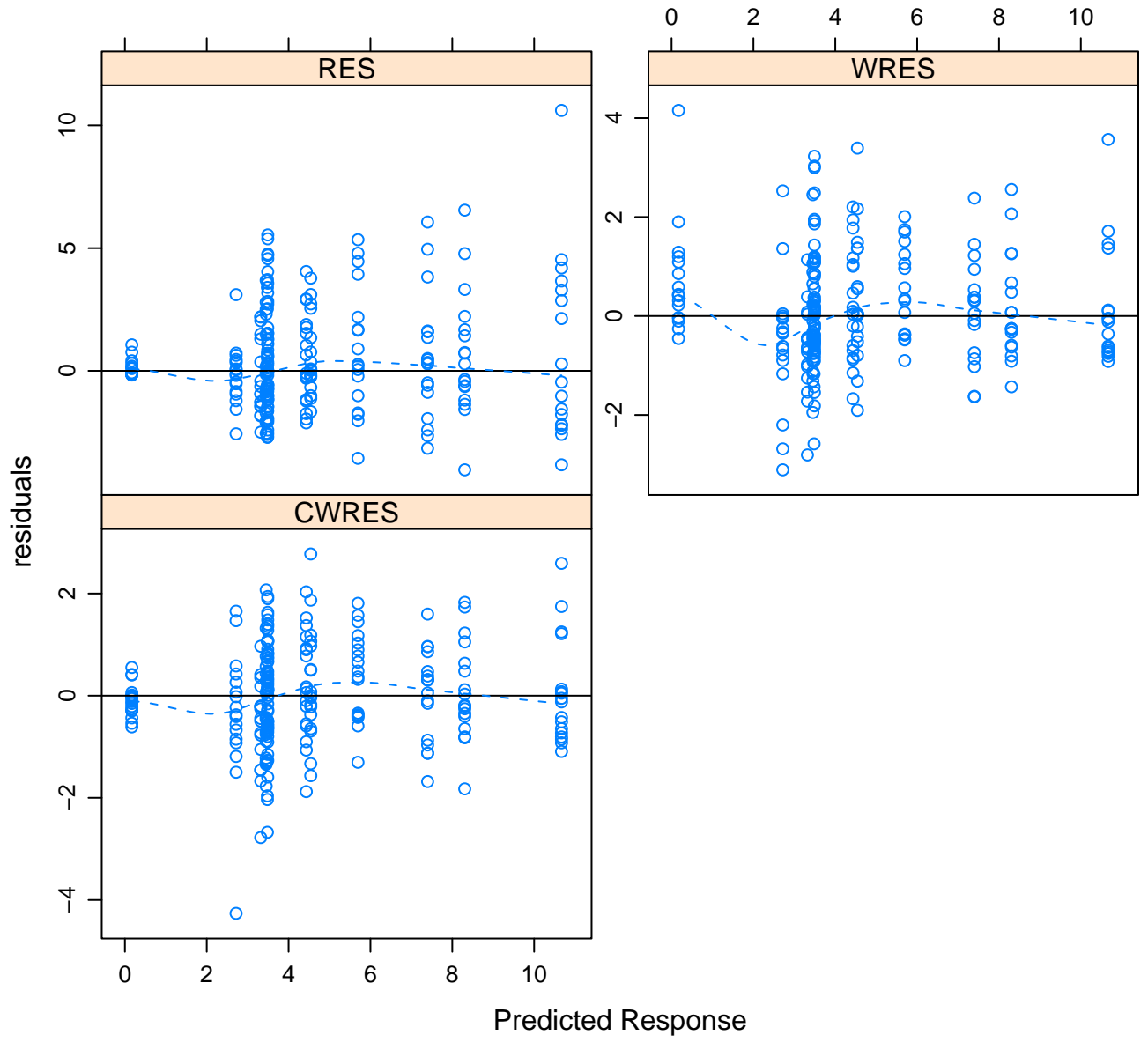
WRES

# Model 1

## Observed vs. Predicted for male data

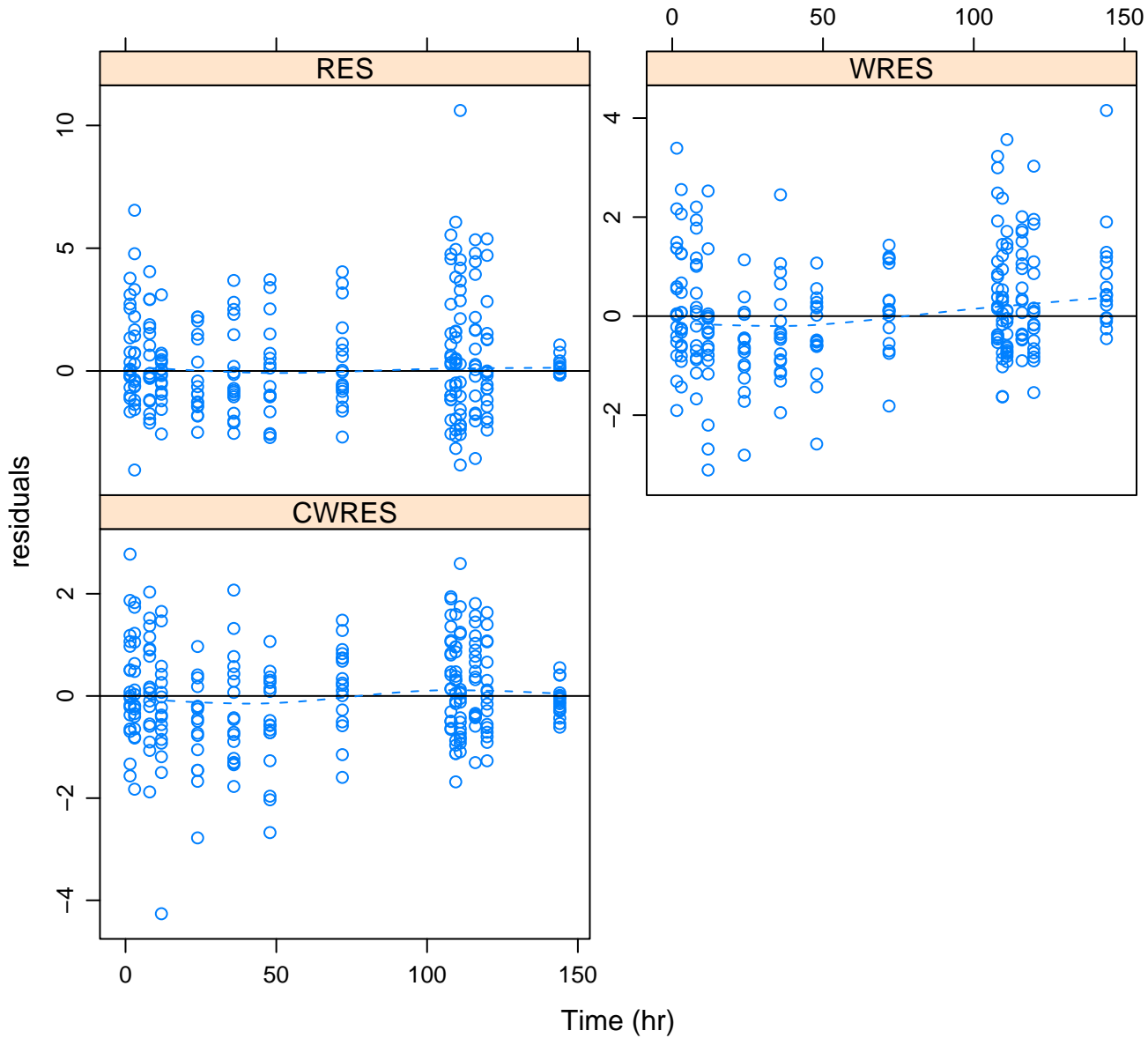


**Model 1**  
**Residuals vs. Predicted for male data**



# Model 1

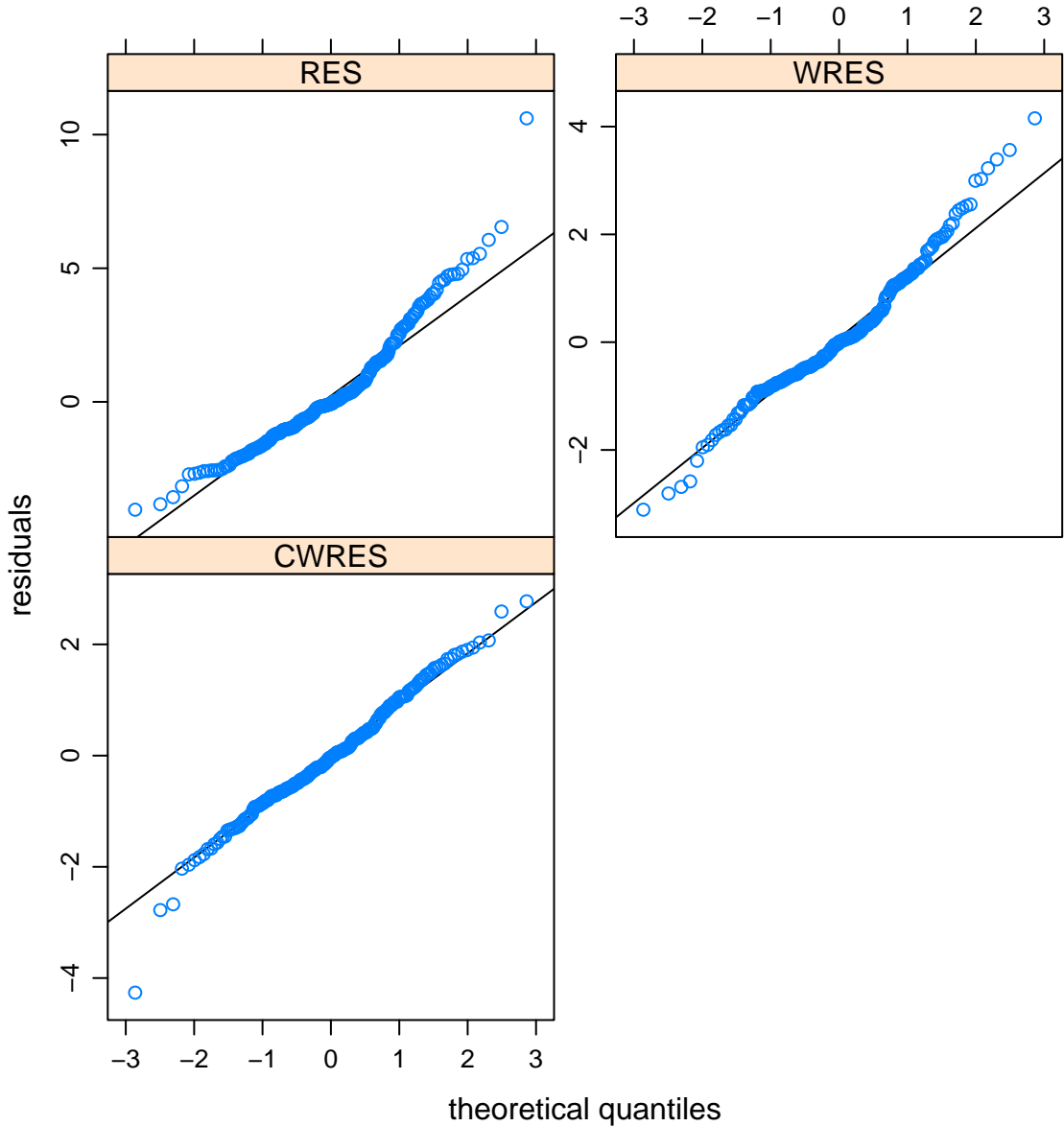
## Residuals vs. Time for male data





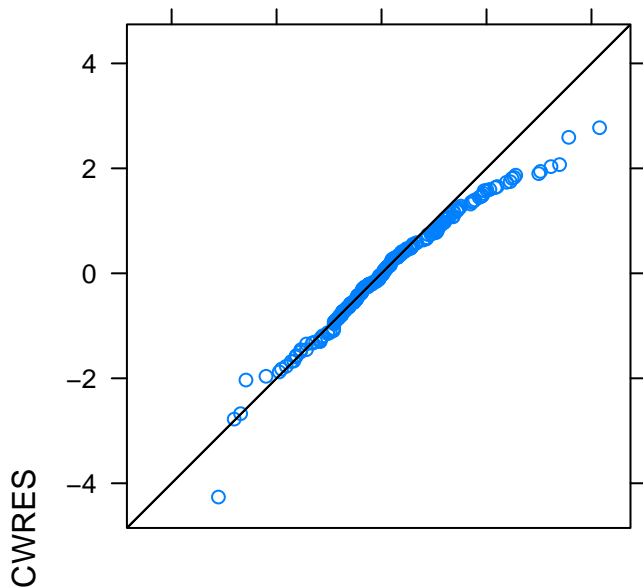
# Model 1

## Normal Q-Q Plot Residuals for male data



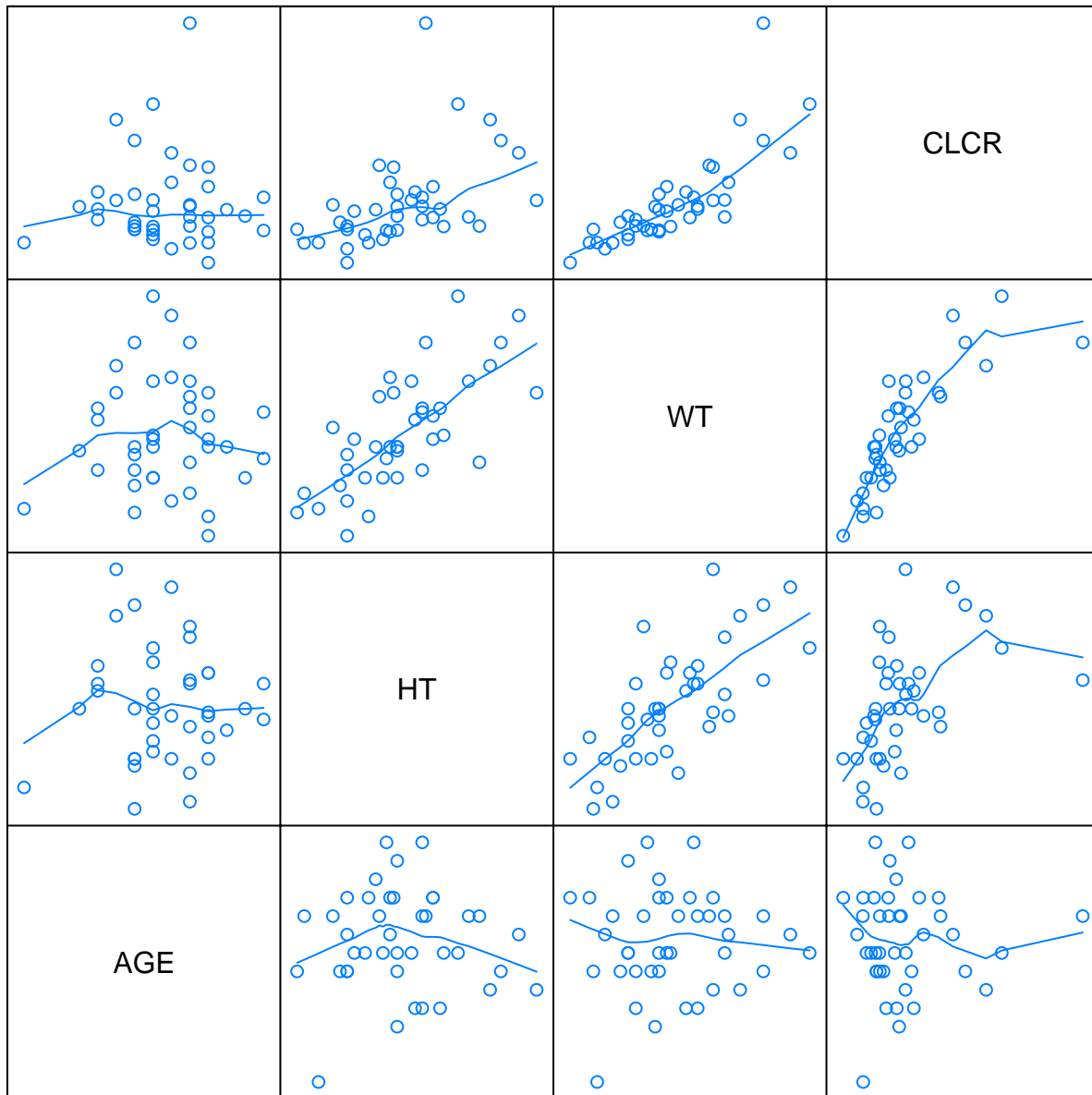
# Model 1

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

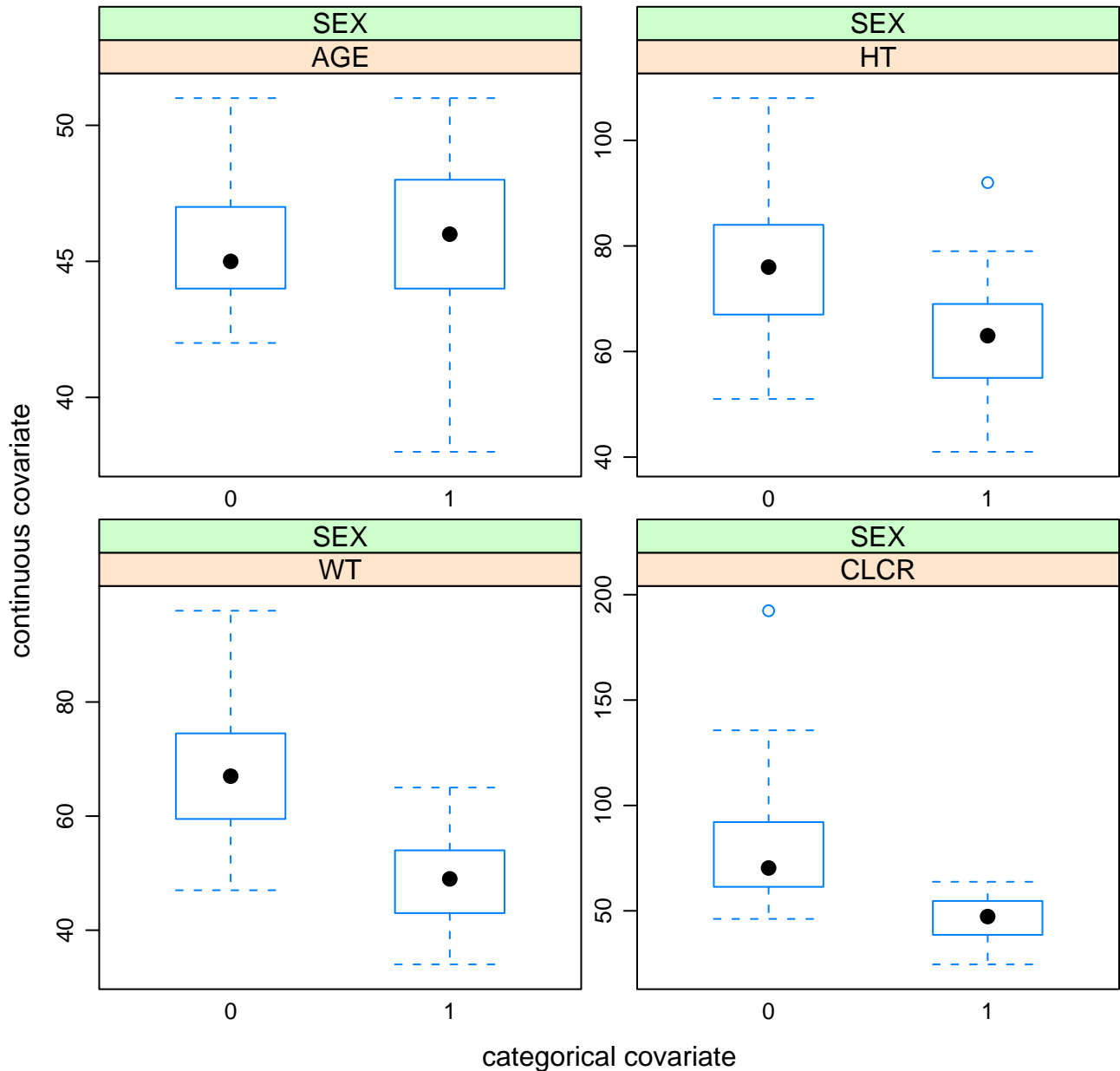


WRES

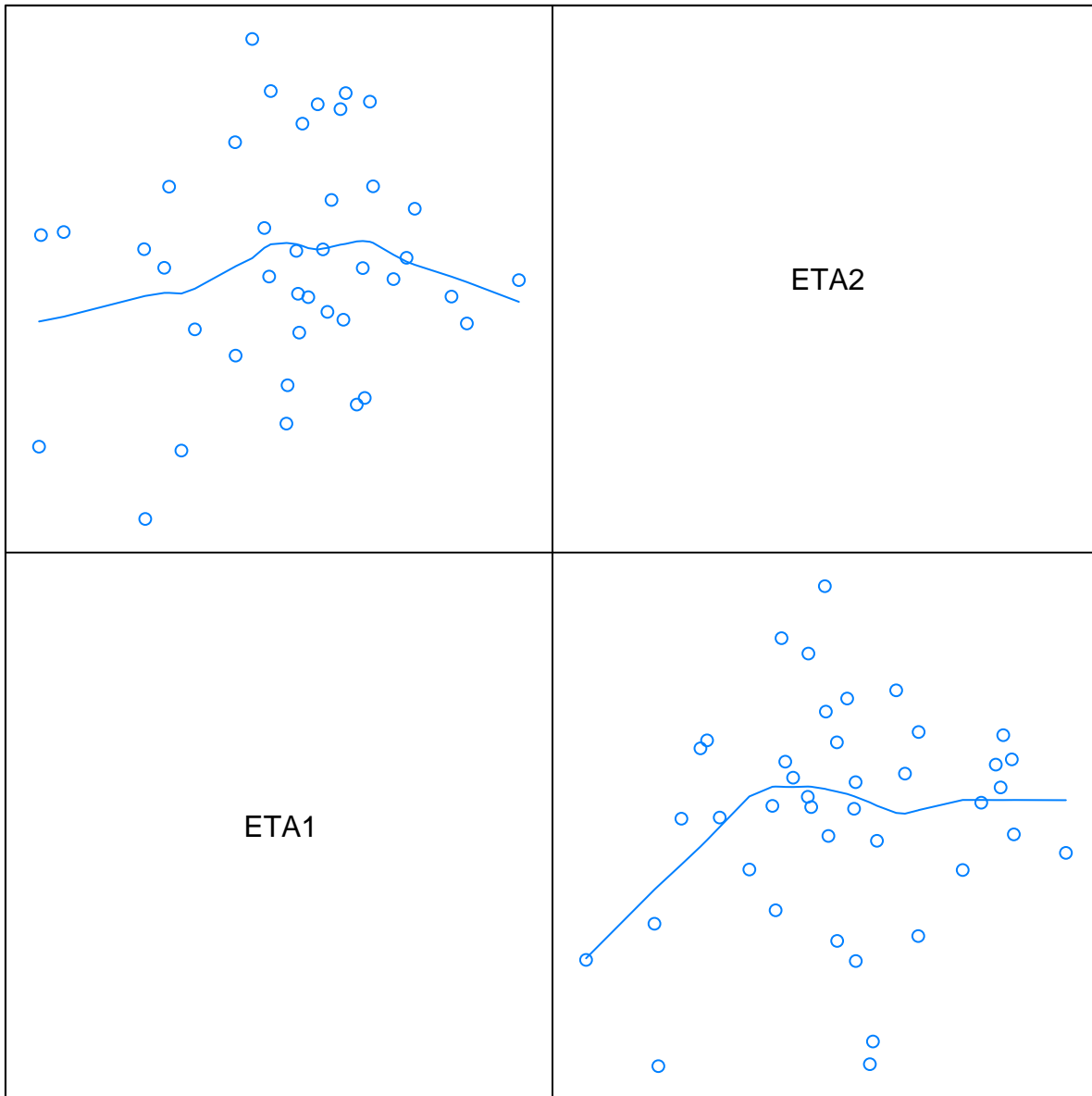
# Covariate Scatterplots



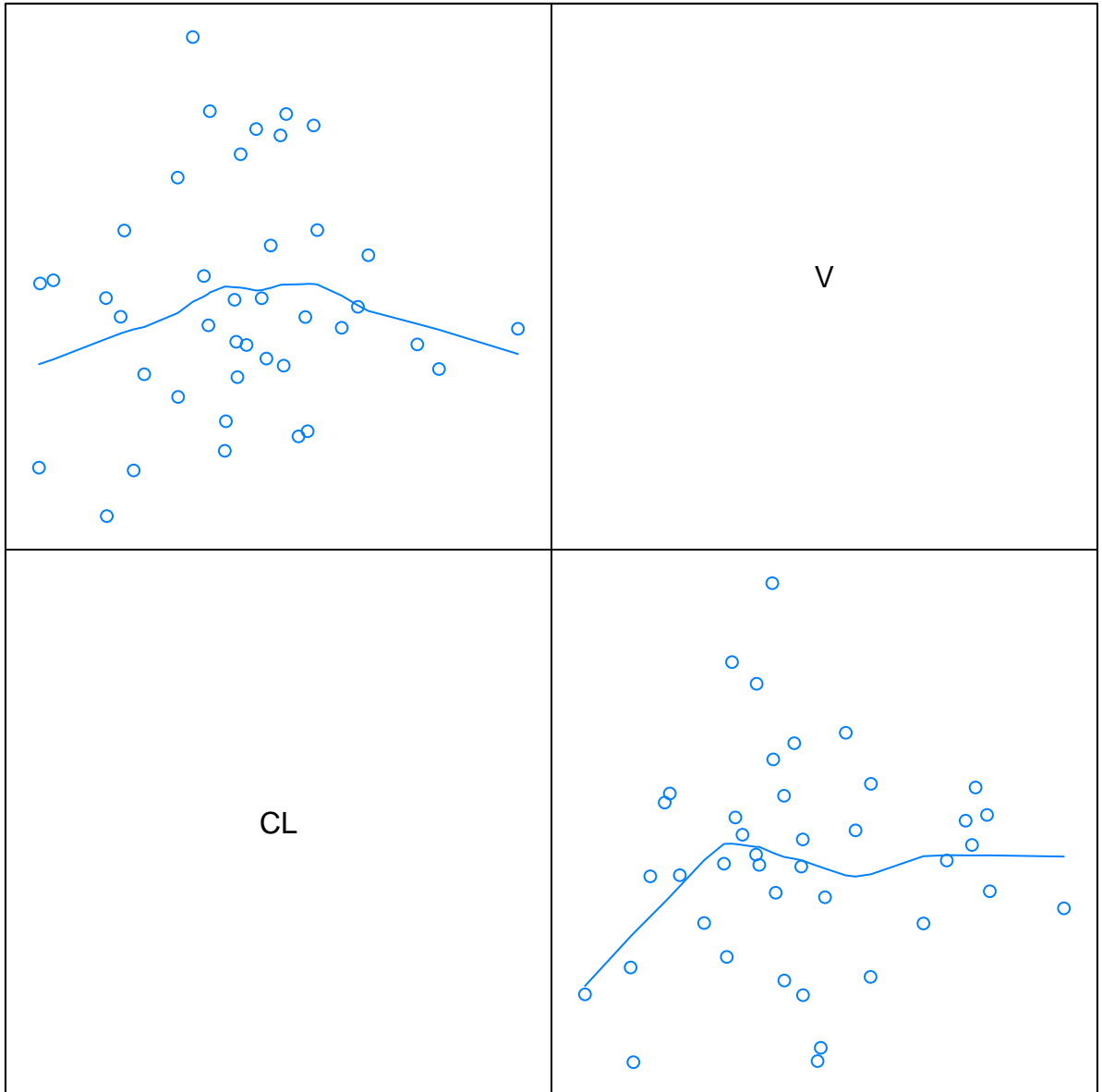
# Continuous Covariates vs. Categorical Covariates



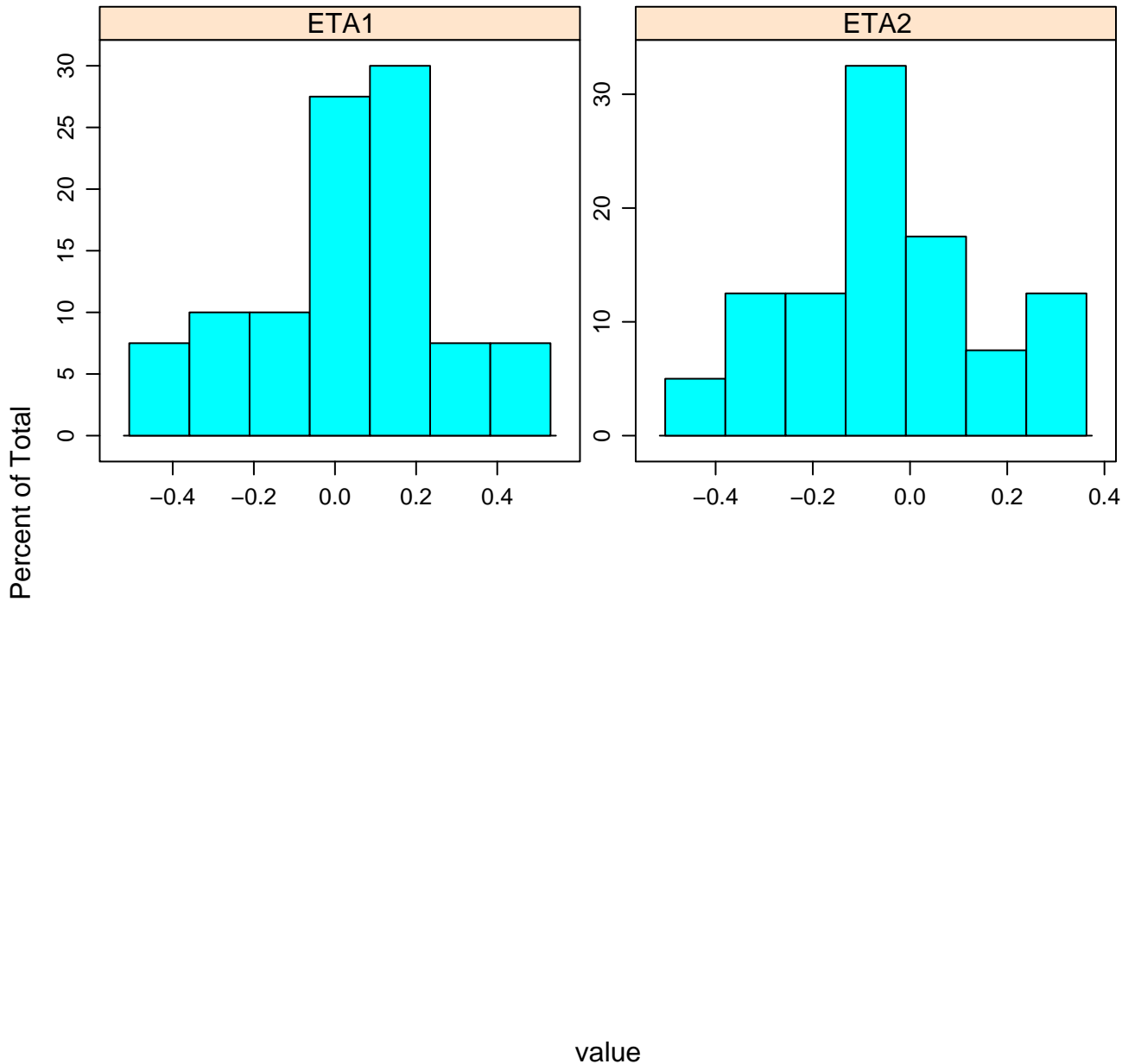
# ETA Scatterplots



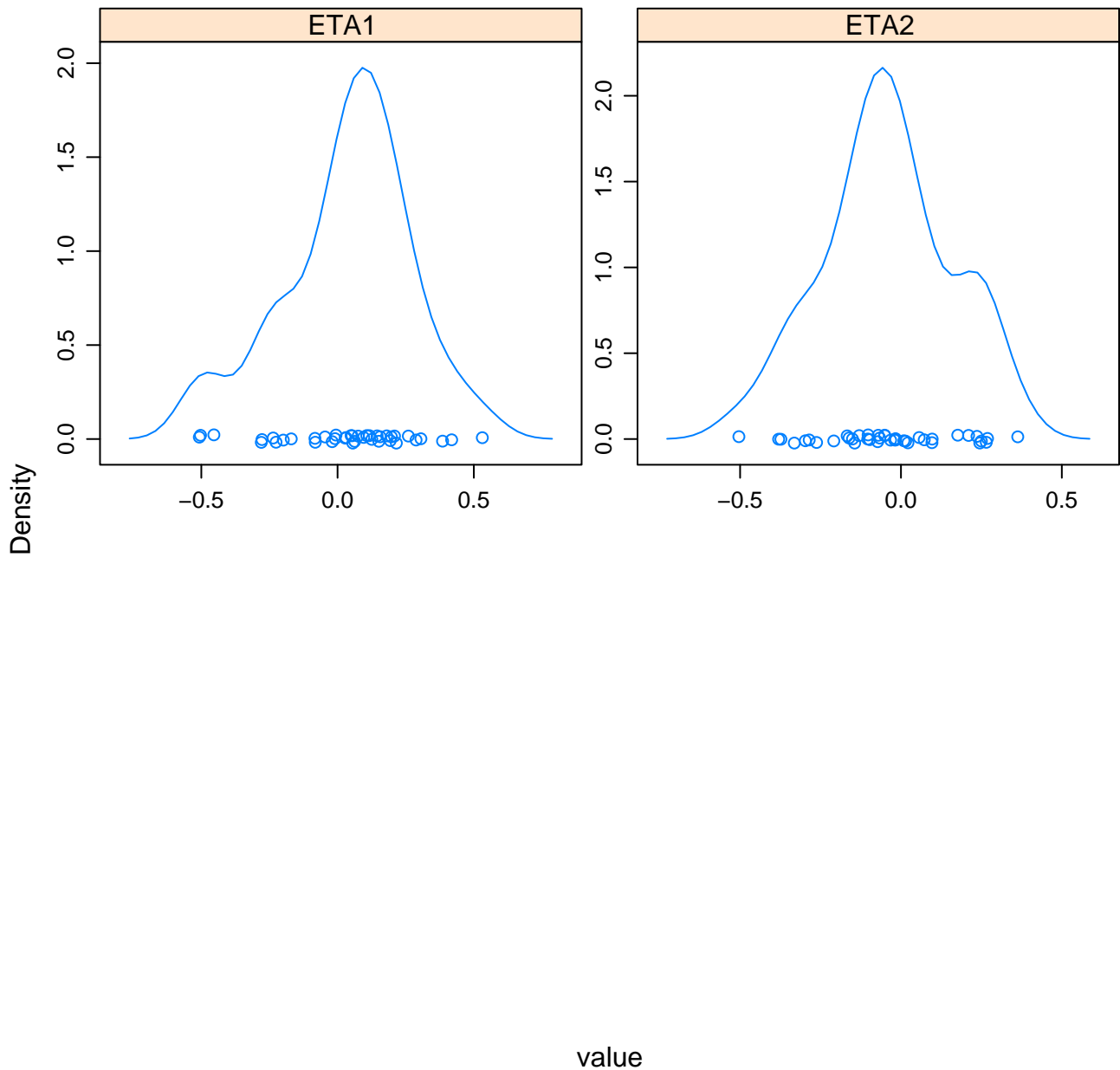
# Parameter Scatterplots



# Histograms of Etas

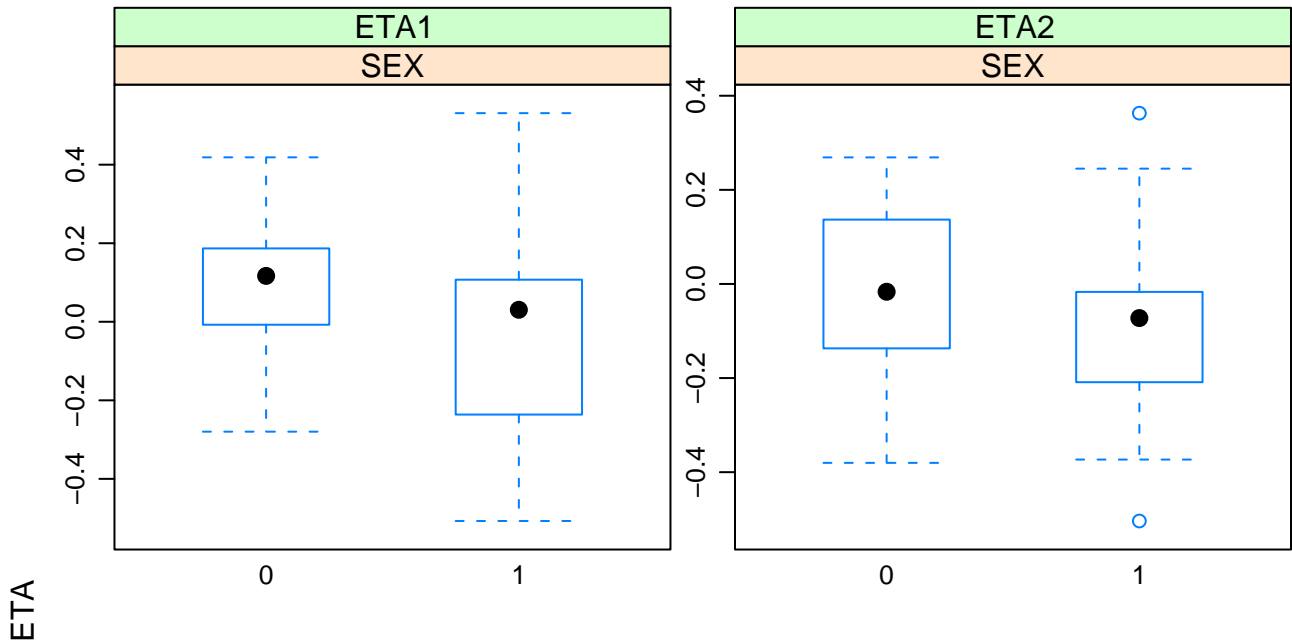


# Density of Etas





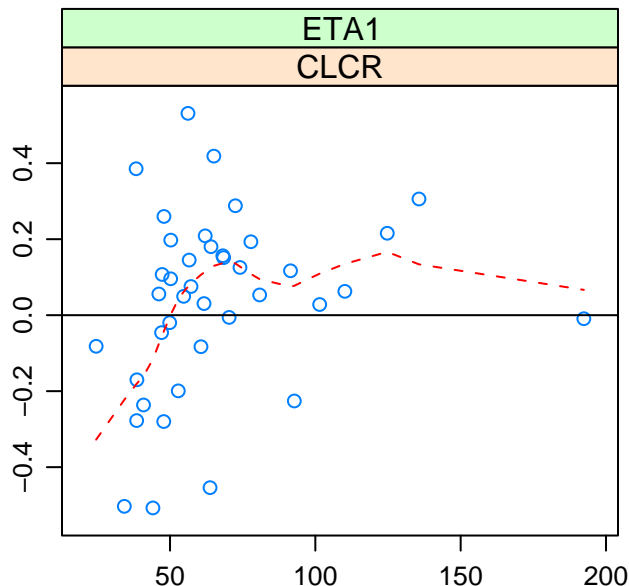
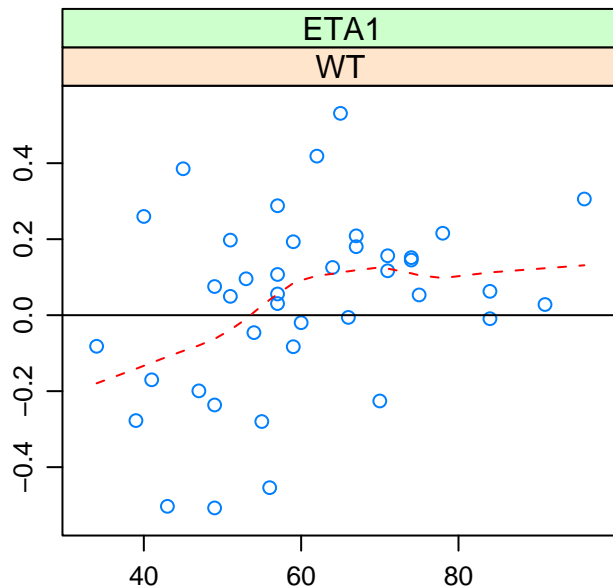
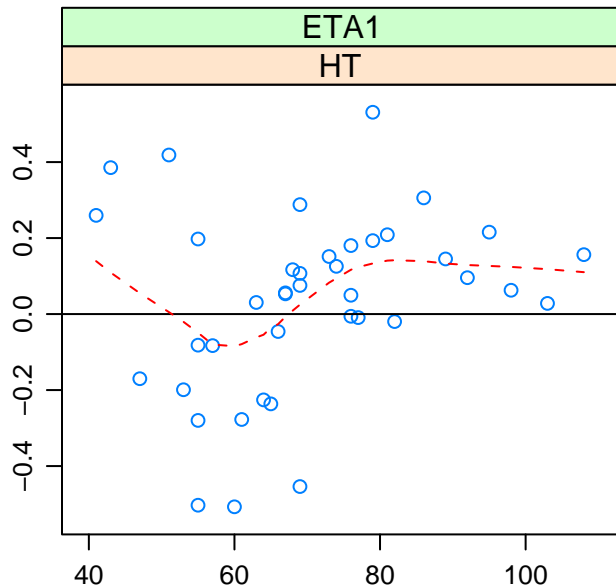
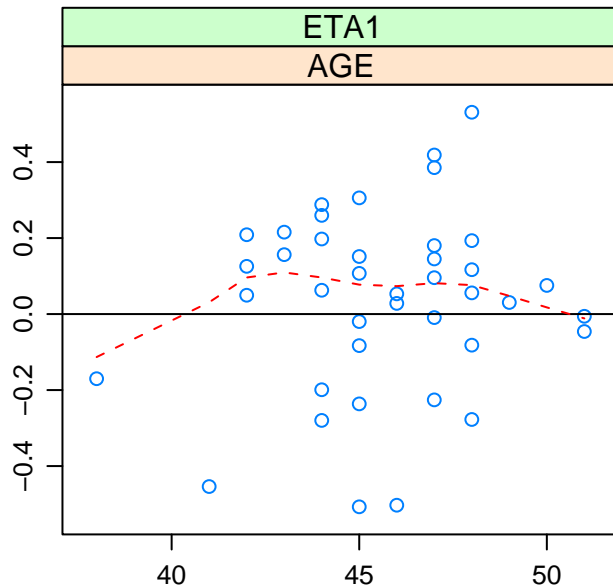
# Boxplots of Etas by Categorical Covariate



categorical covariate level

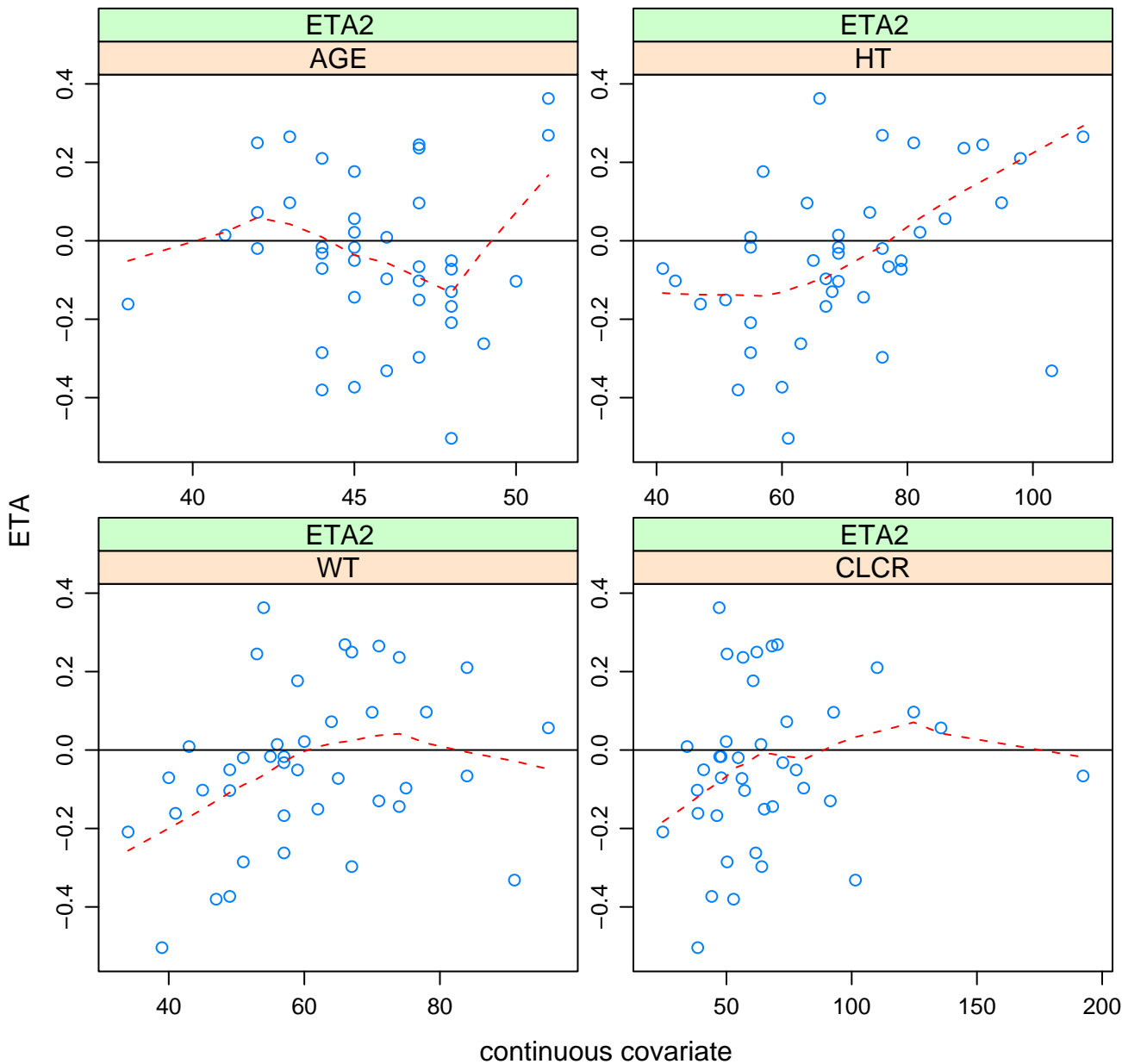
# Etas vs. Continuous Covariates

ETA

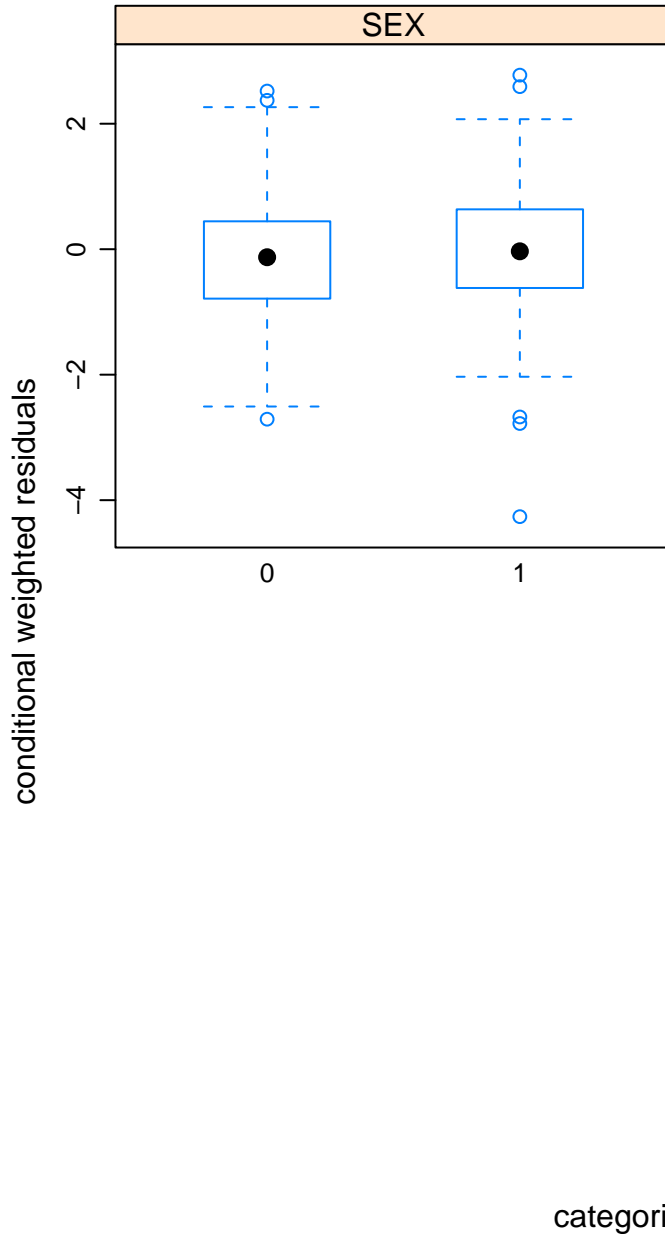


continuous covariate

# Etas vs. Continuous Covariates



# CWRES vs. Categorical Covariates



# CWRES vs. Continuous Covariates

