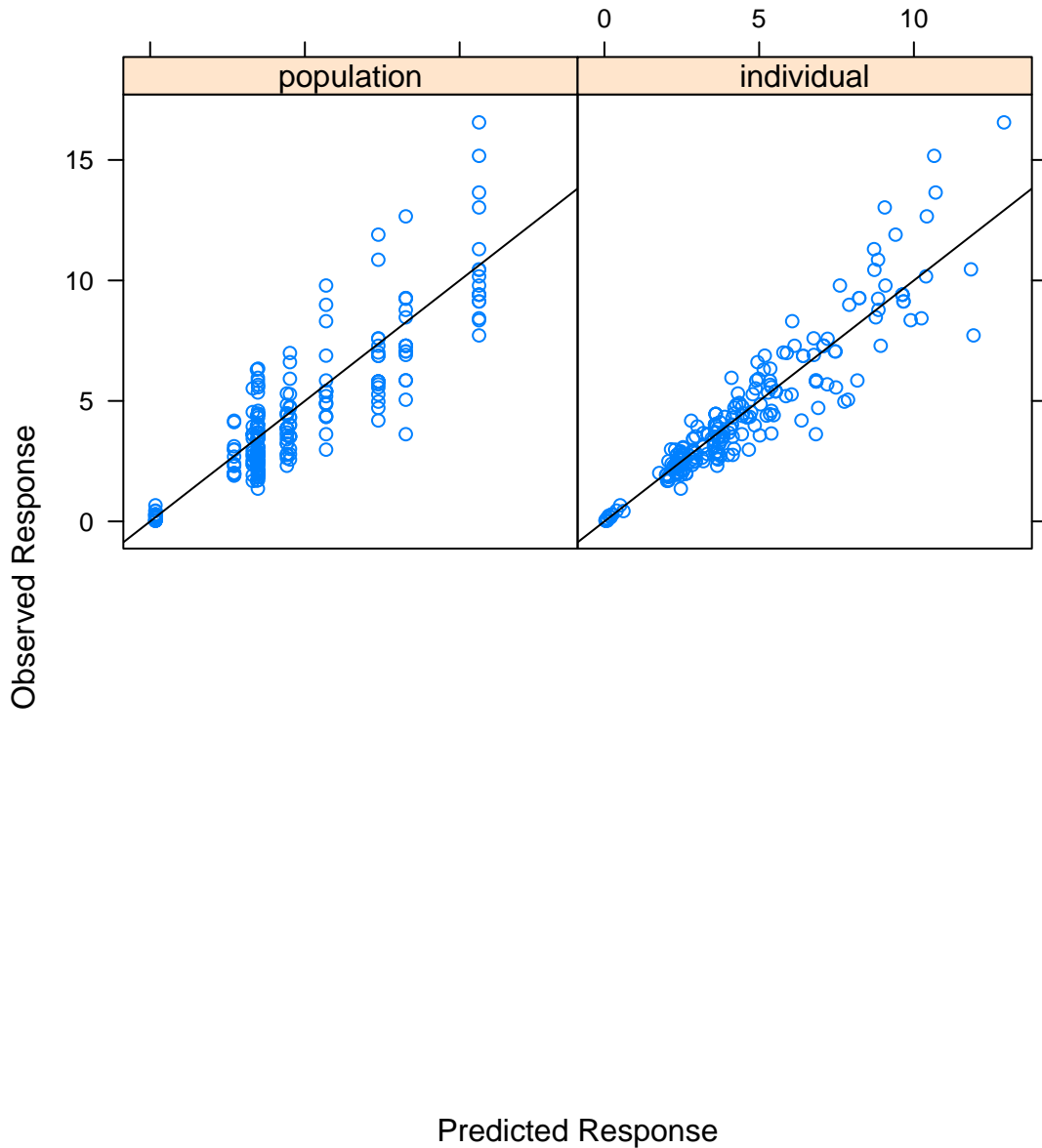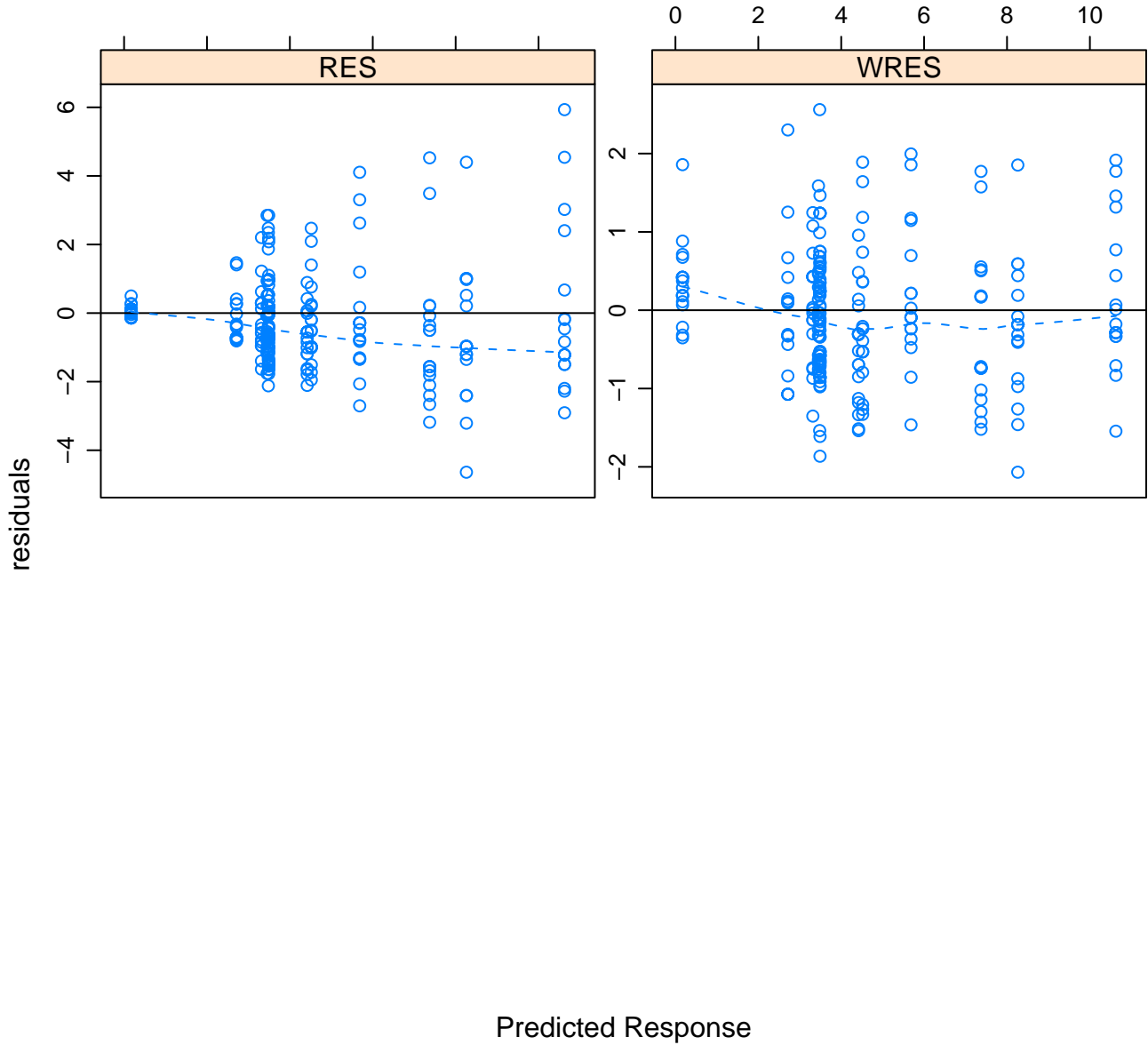**Model 1001**
Observed vs. Predicted for female data
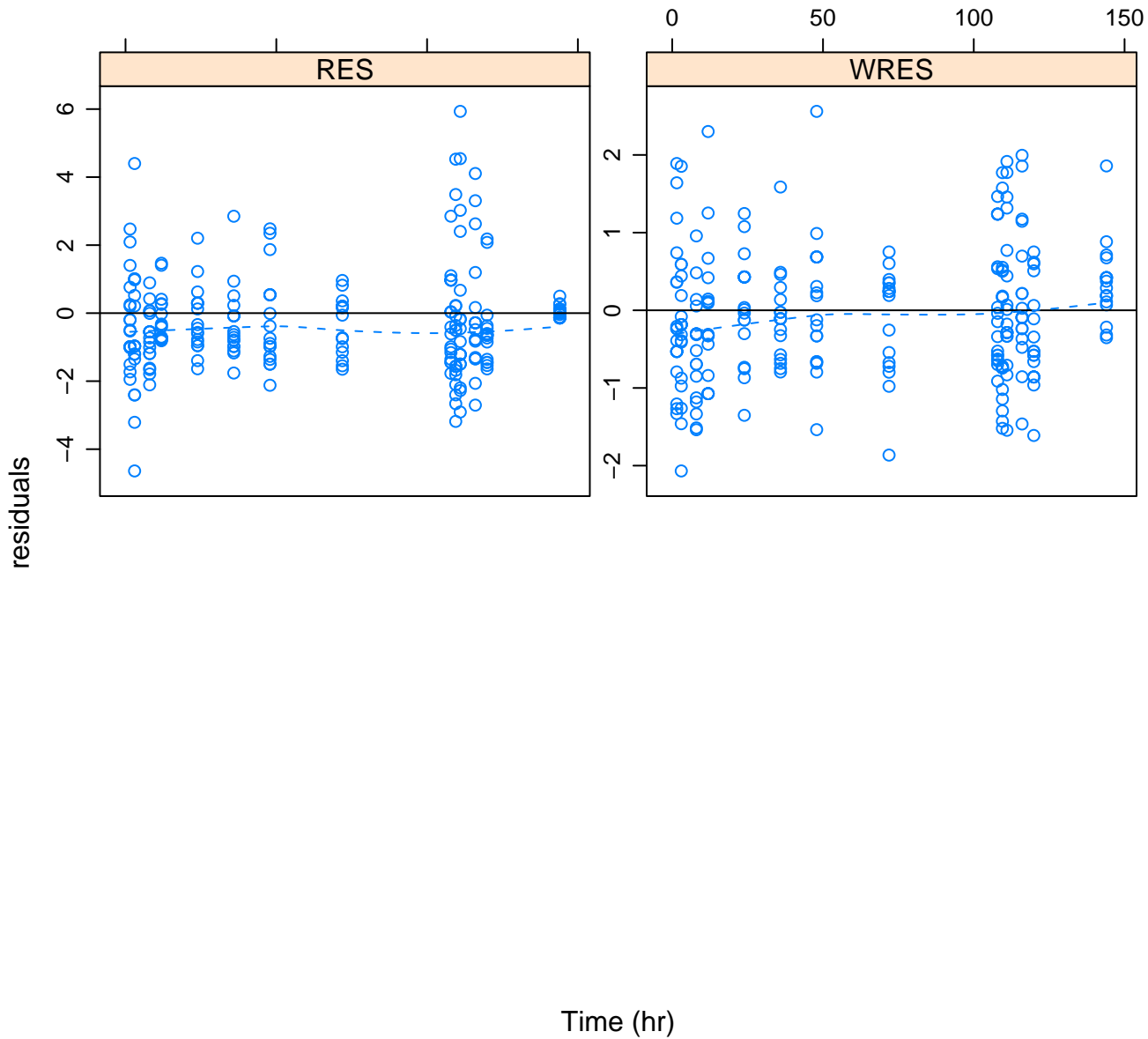
Model 1001
Residuals vs. Predicted for female data

Model 1001
Residuals vs. Time for female data

Model 1001
Normal Q–Q Plot Residuals for female data

Model 1001
Observed vs. Predicted for male data

Model 1001
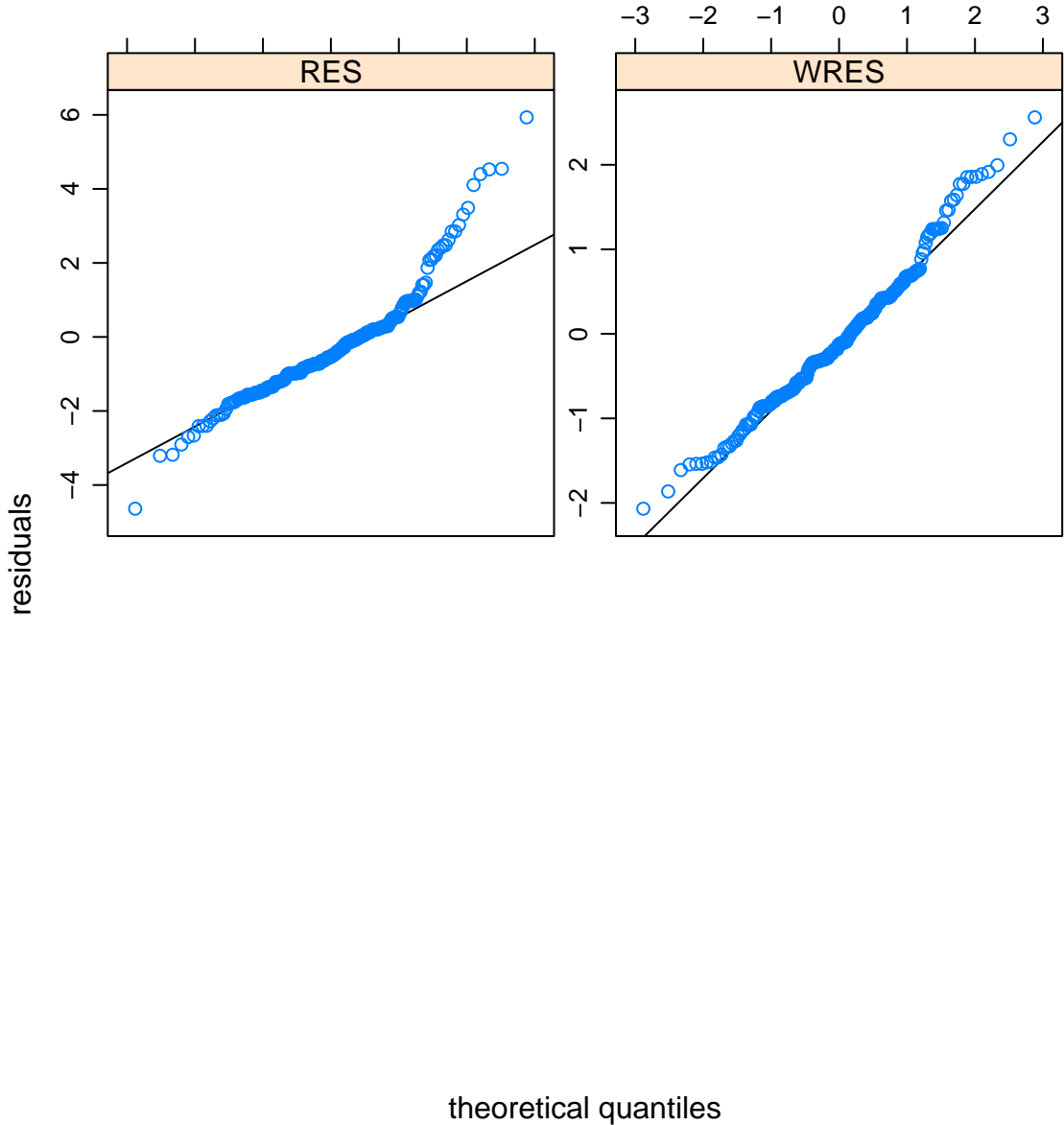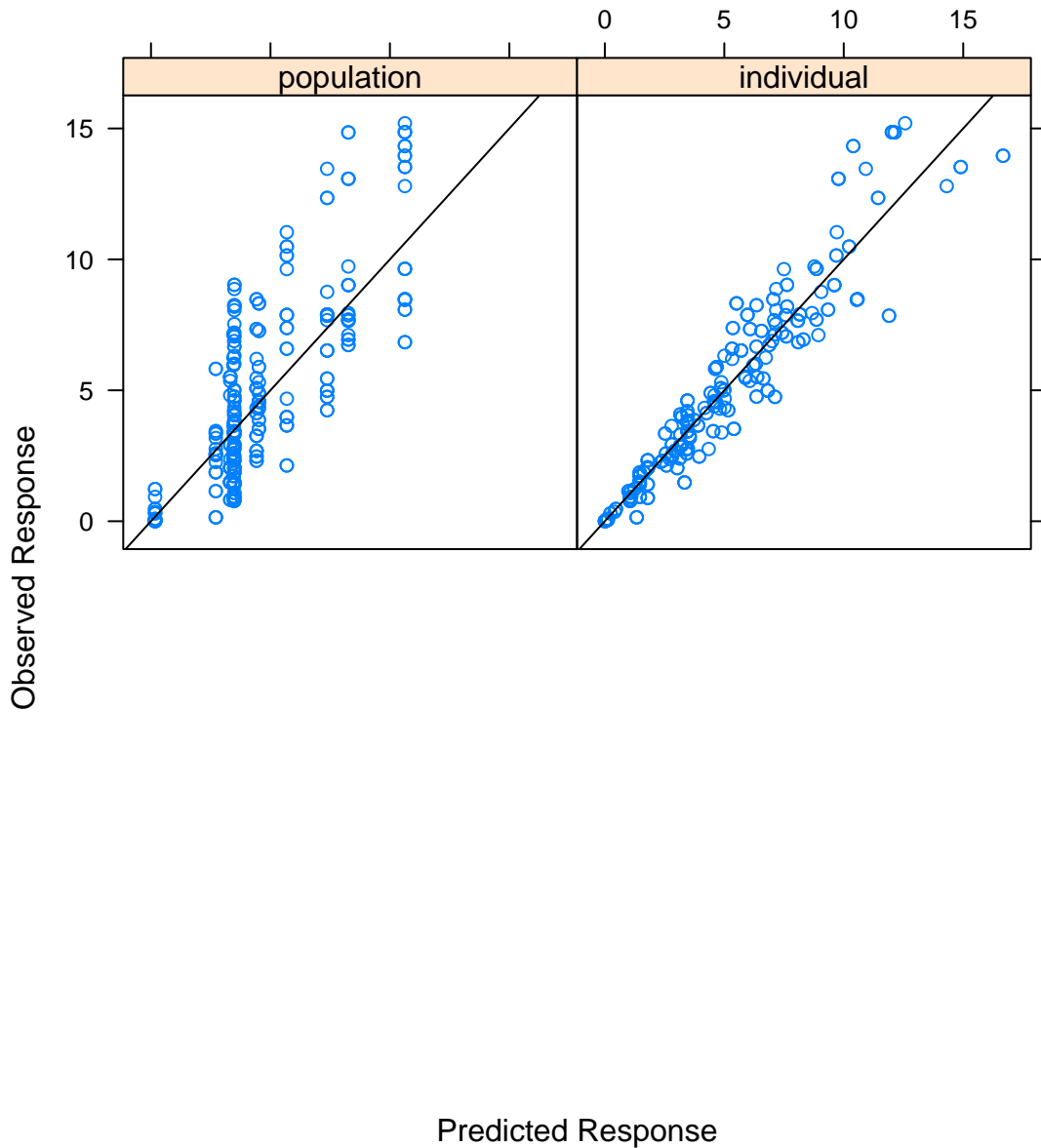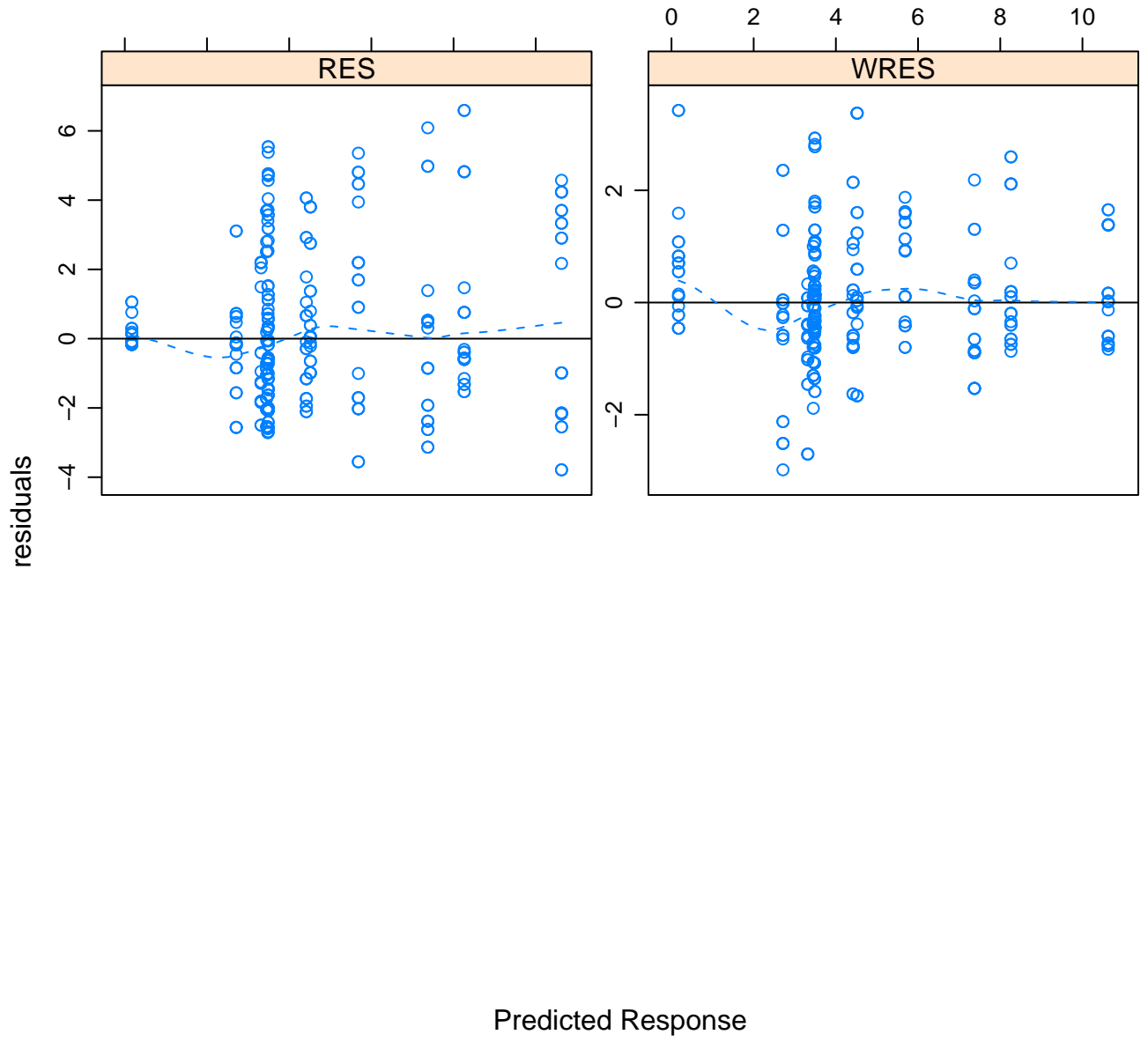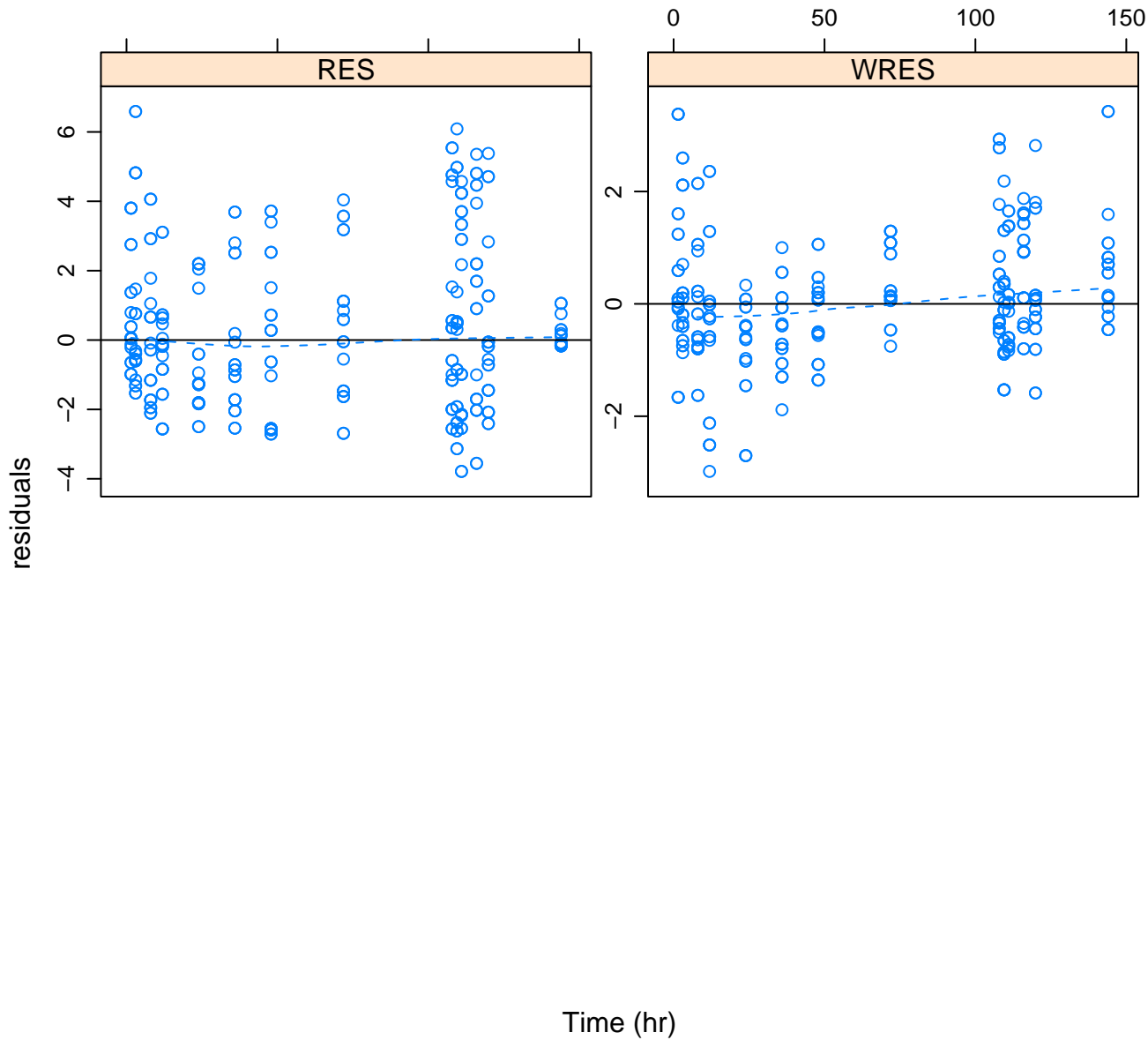**Residuals vs. Predicted for male data**
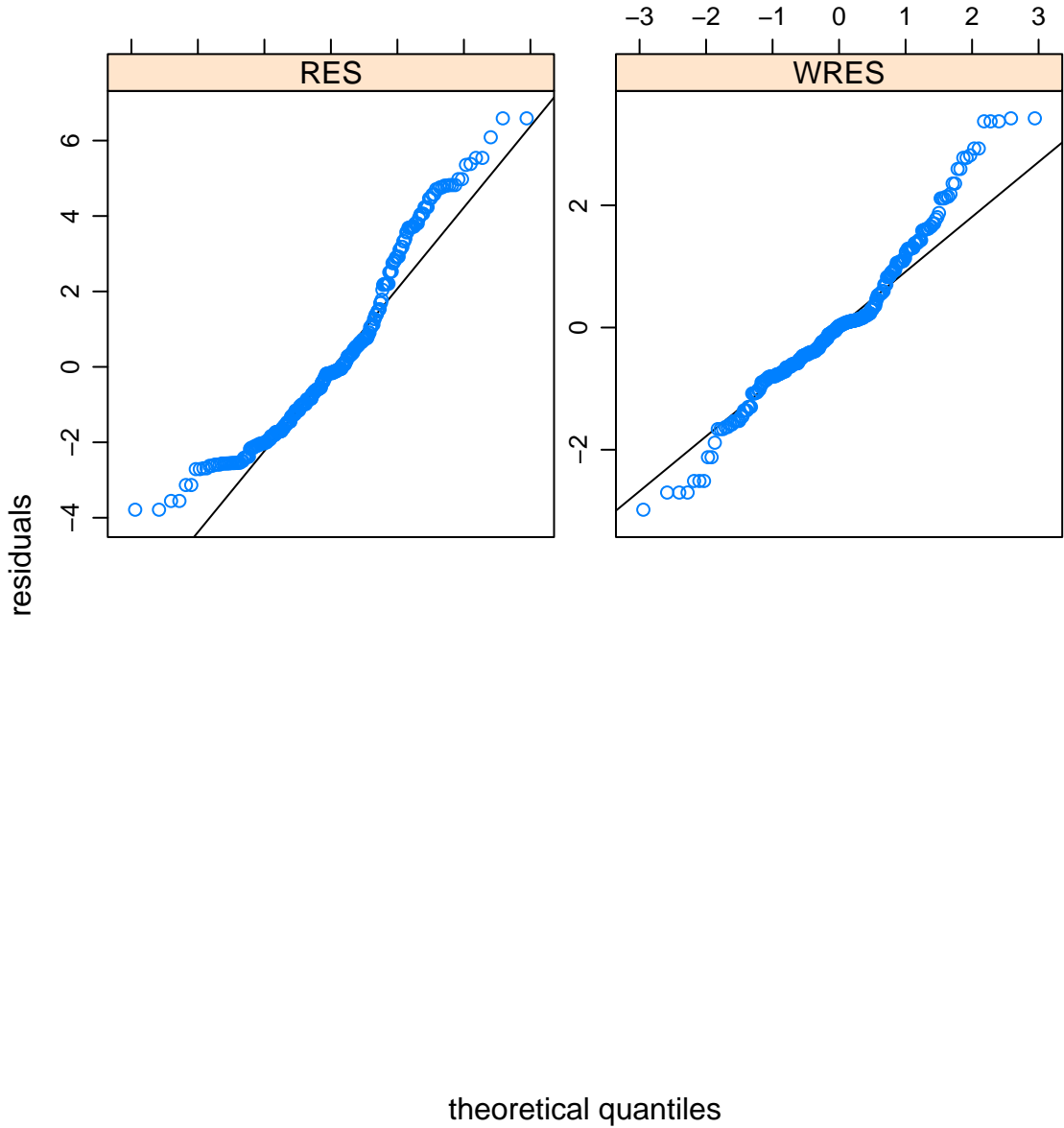
Model 1001
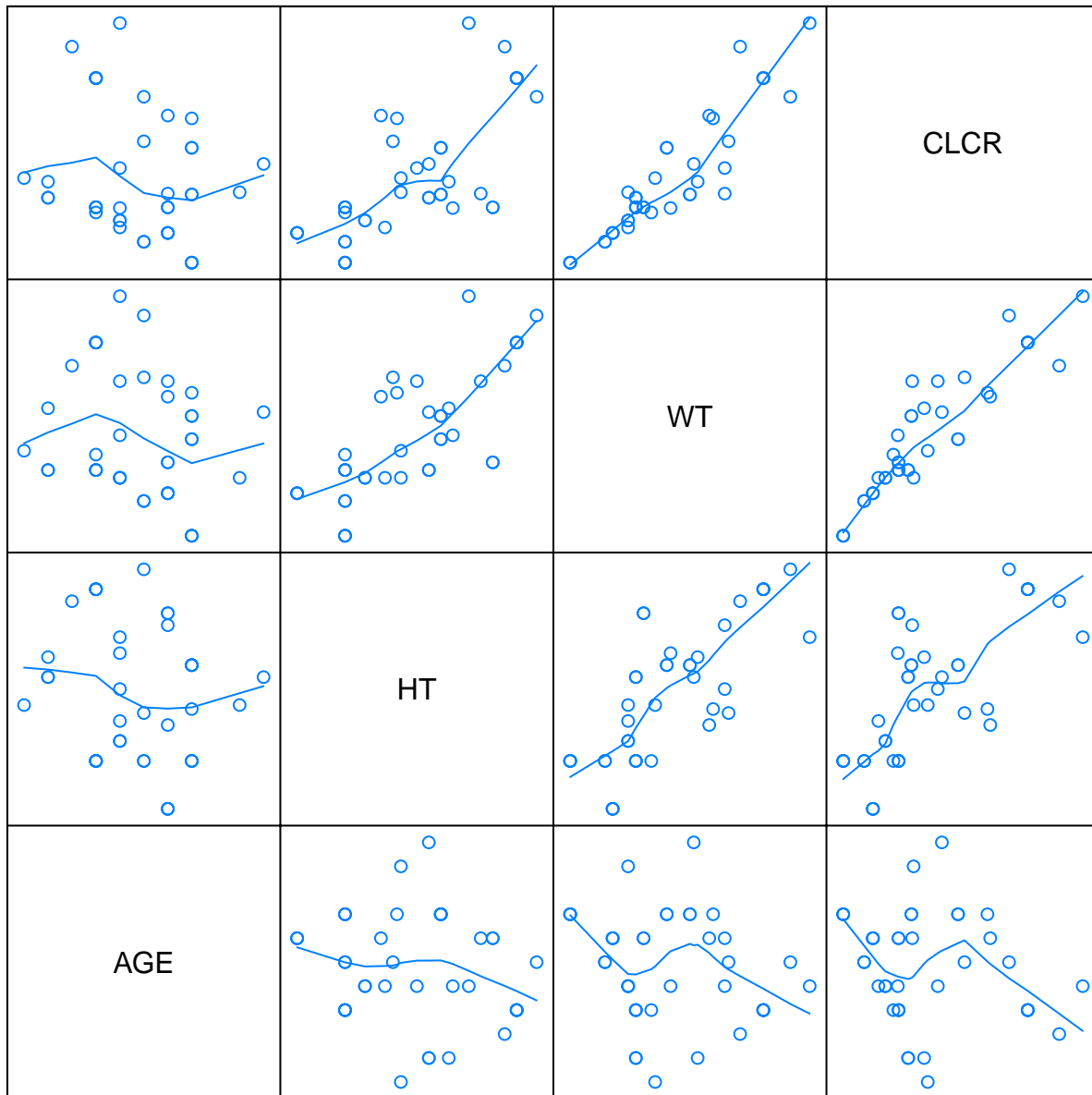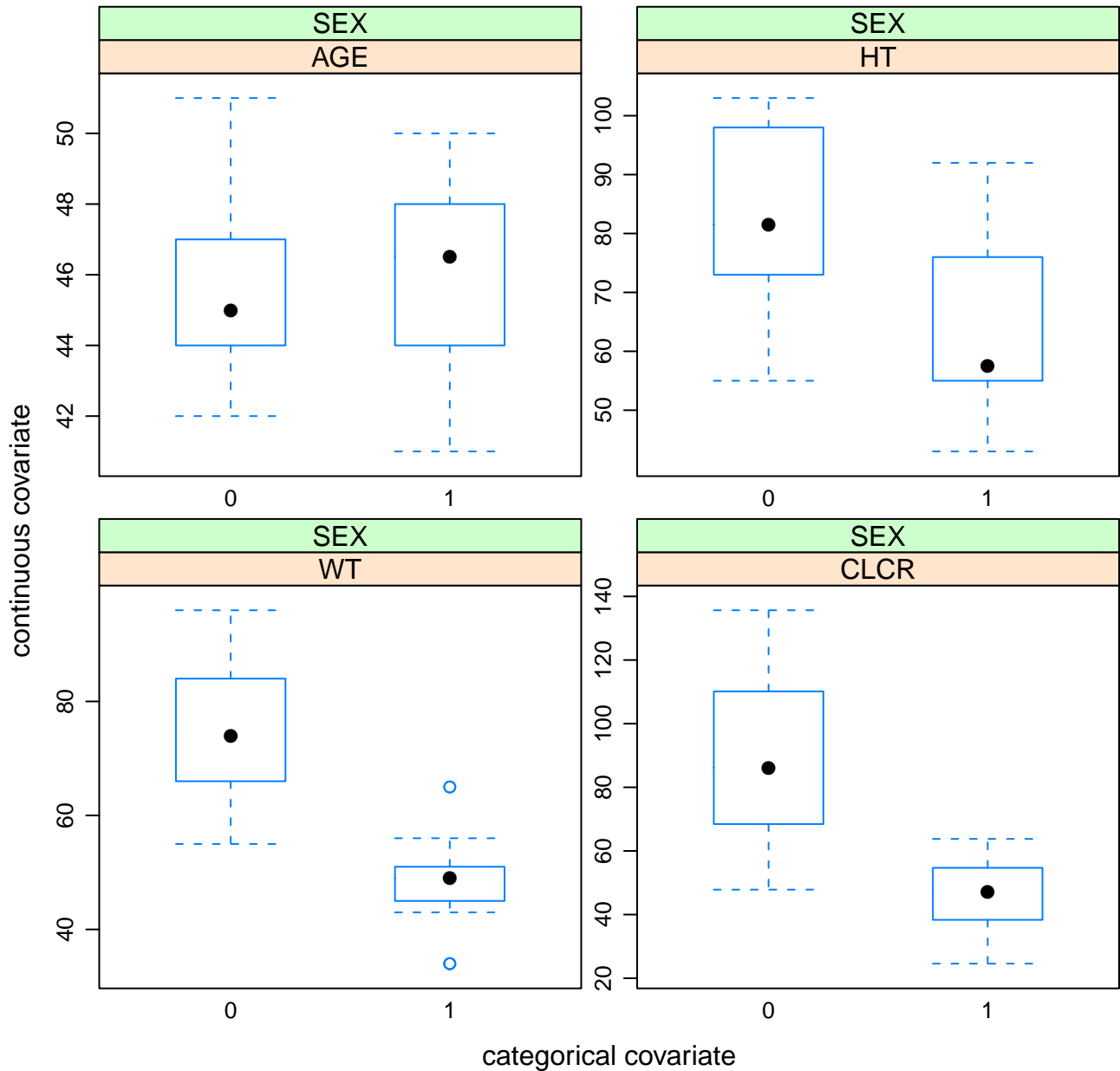**Residuals vs. Time for male data**

Model 1001
Normal Q–Q Plot Residuals for male data

Covariate Scatterplots

Continuous Covariates vs. Categorical Covariates

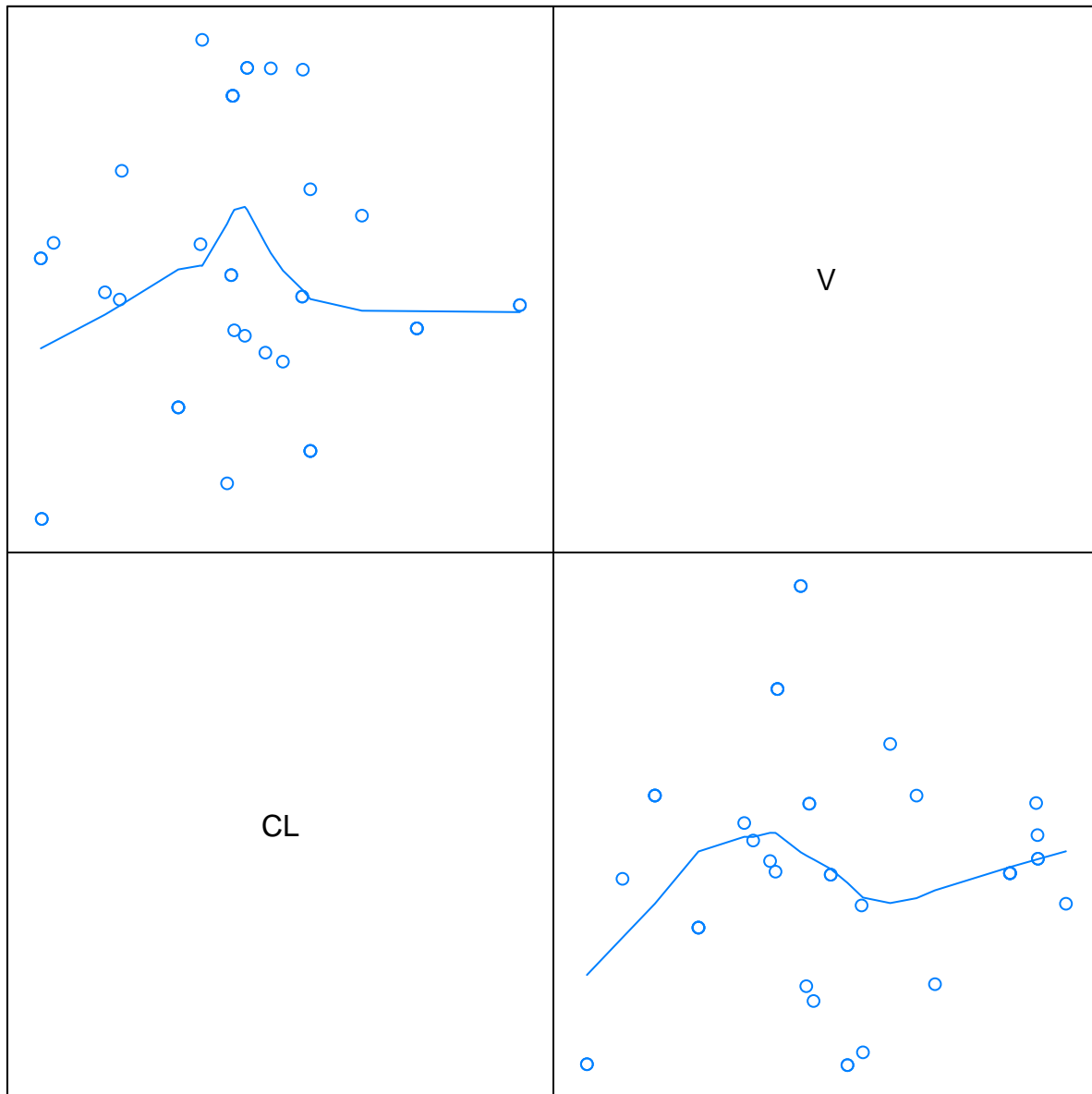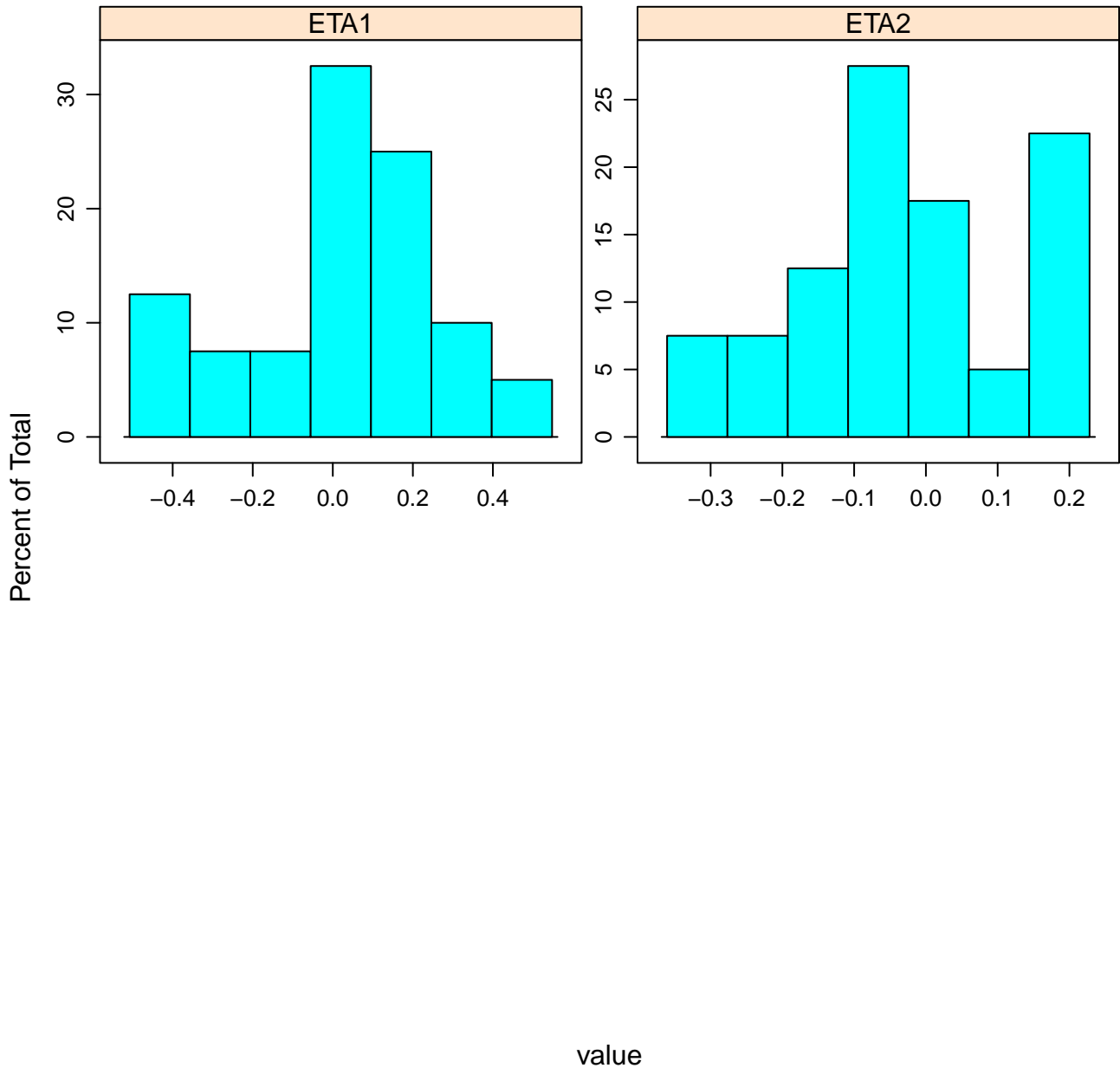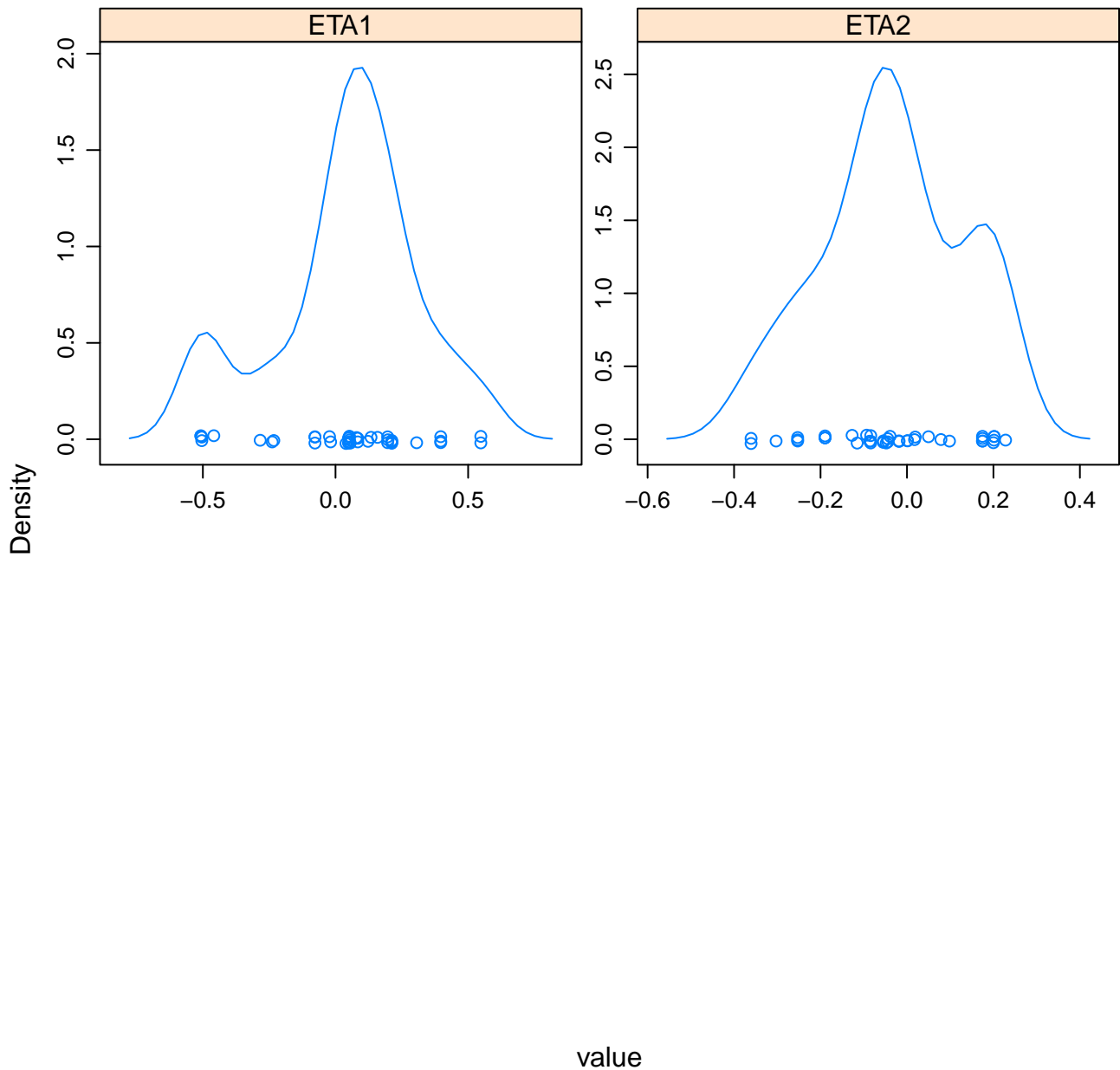# ETA Scatterplots

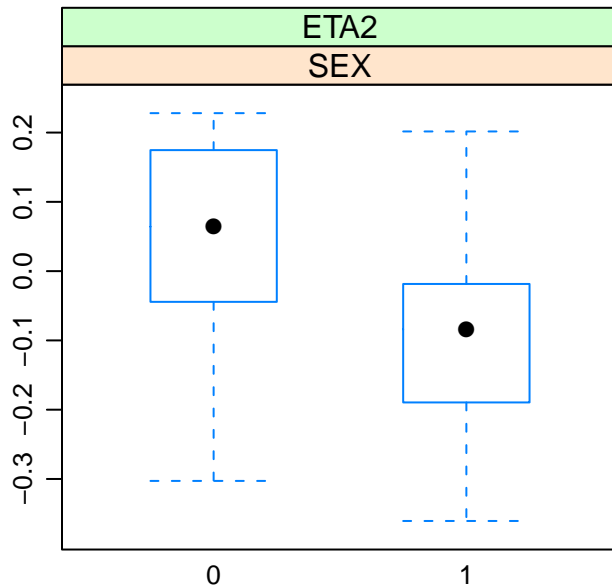# Parameter Scatterplots

Histograms of Etas

Density of Etas

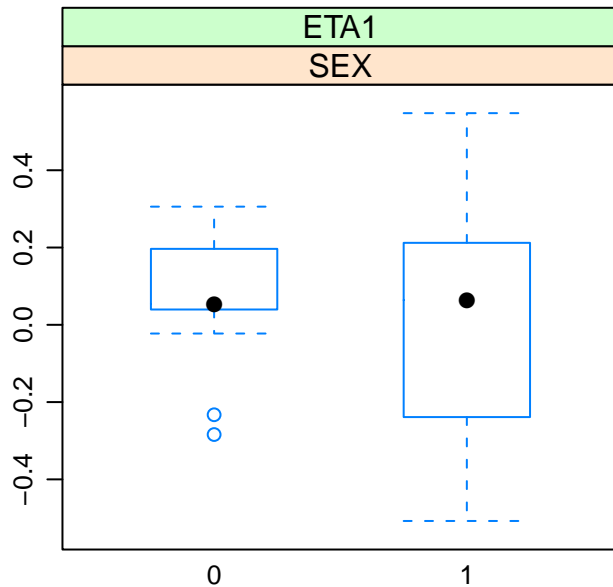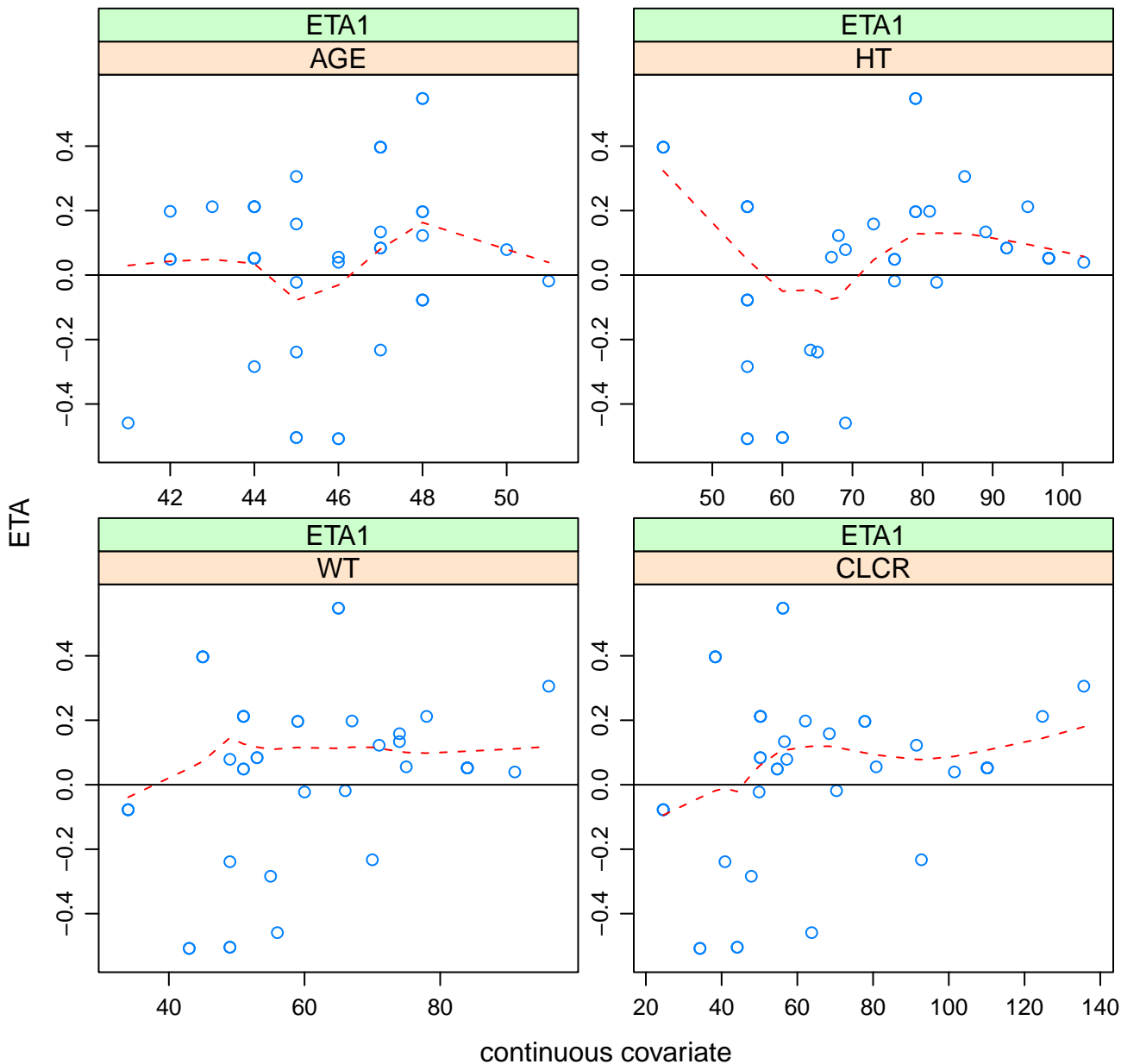**Boxplots of Etas by Categorical Covariate**

ETA

categorical covariate level

Etas vs. Continuous Covariates

Etas vs. Continuous Covariates