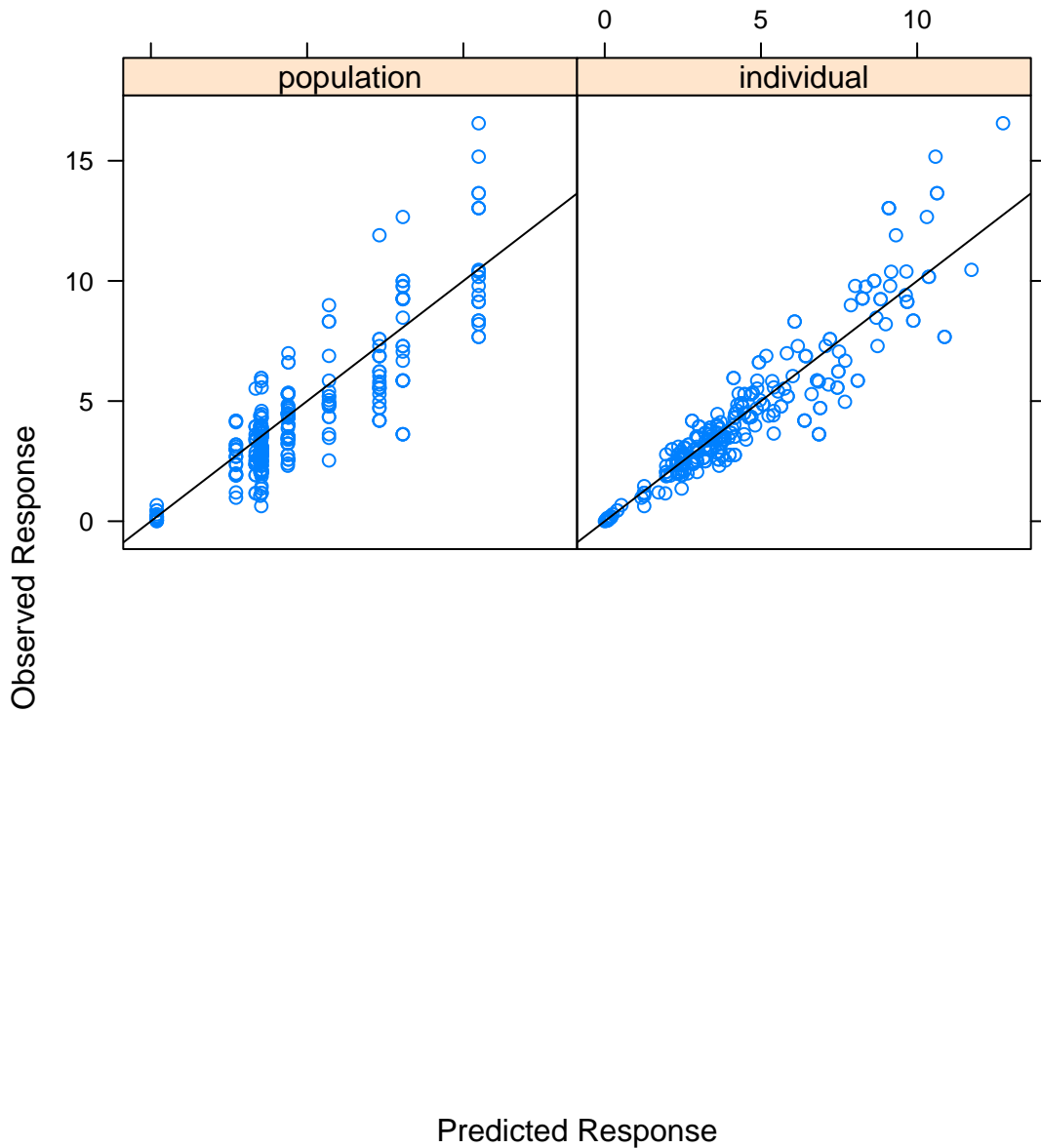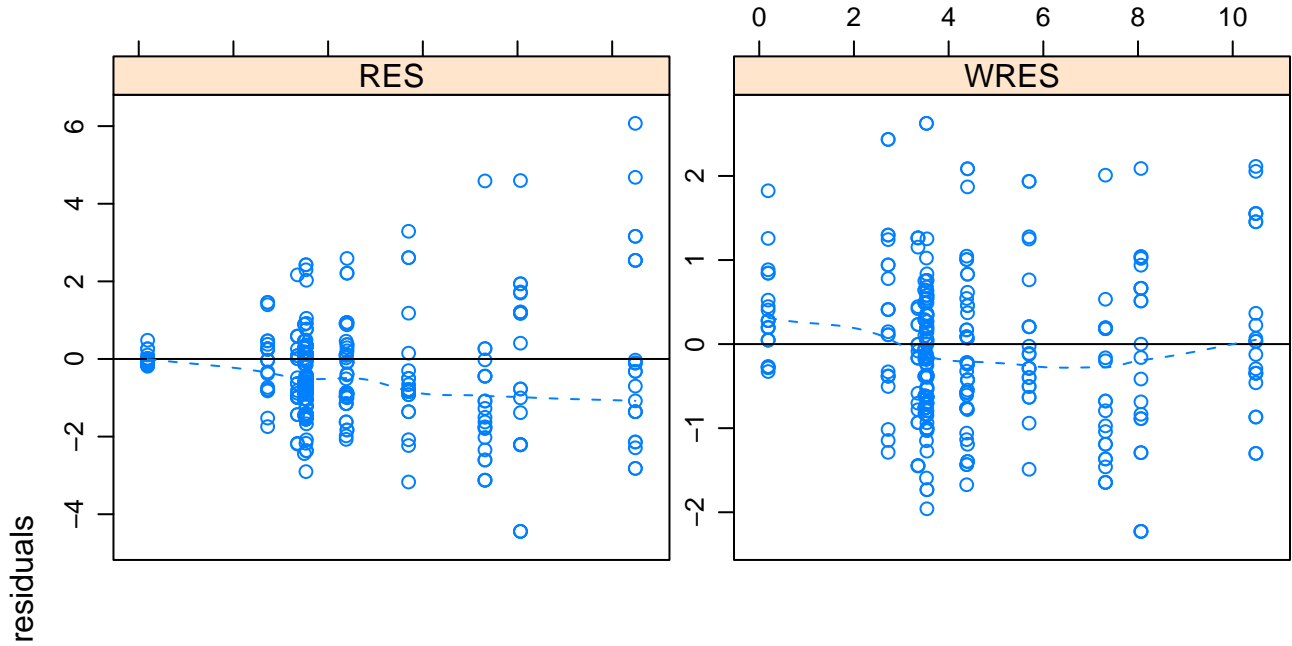**Model 1003**
Observed vs. Predicted for female data
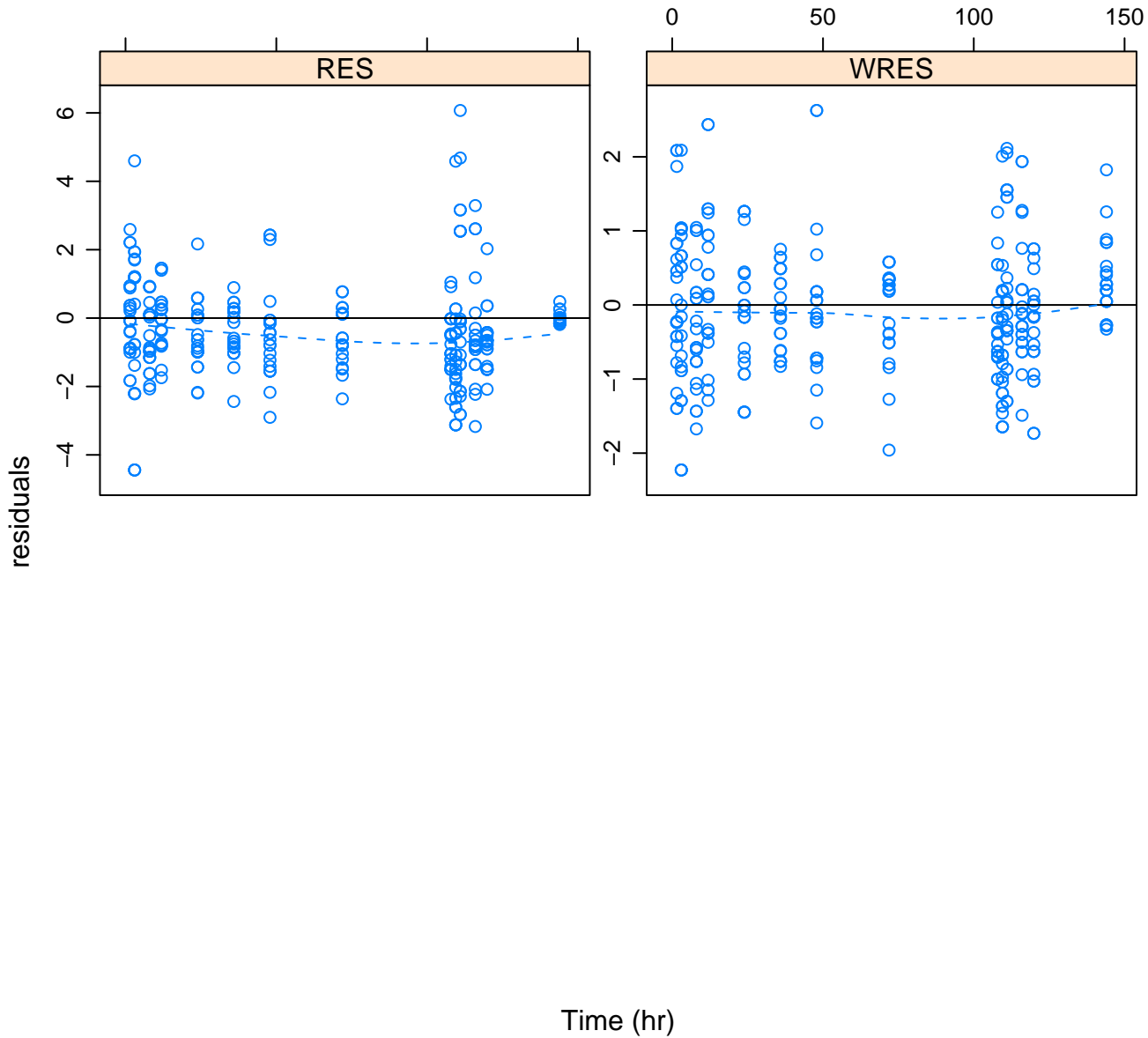
Model 1003
Residuals vs. Predicted for female data
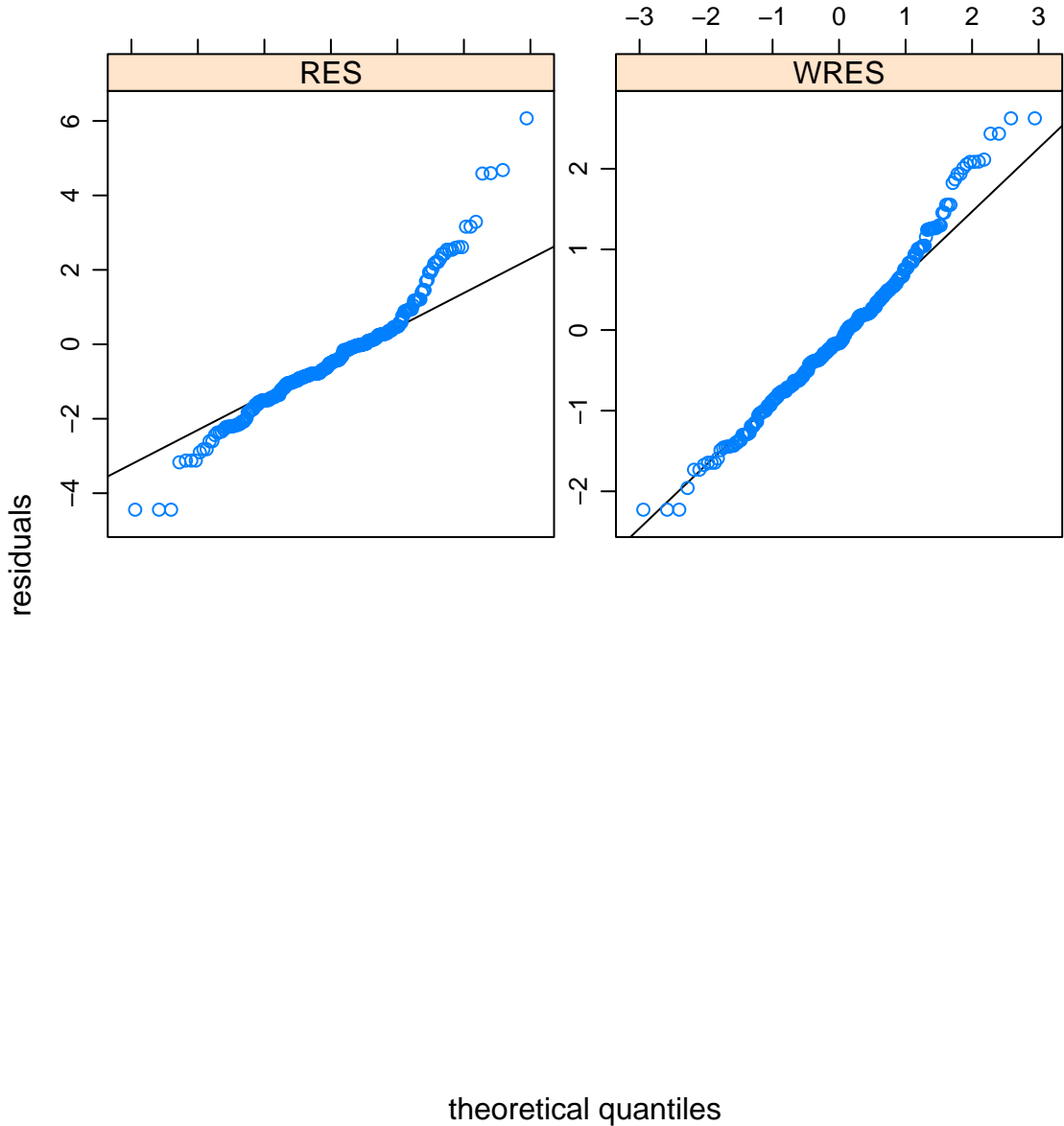
Model 1003
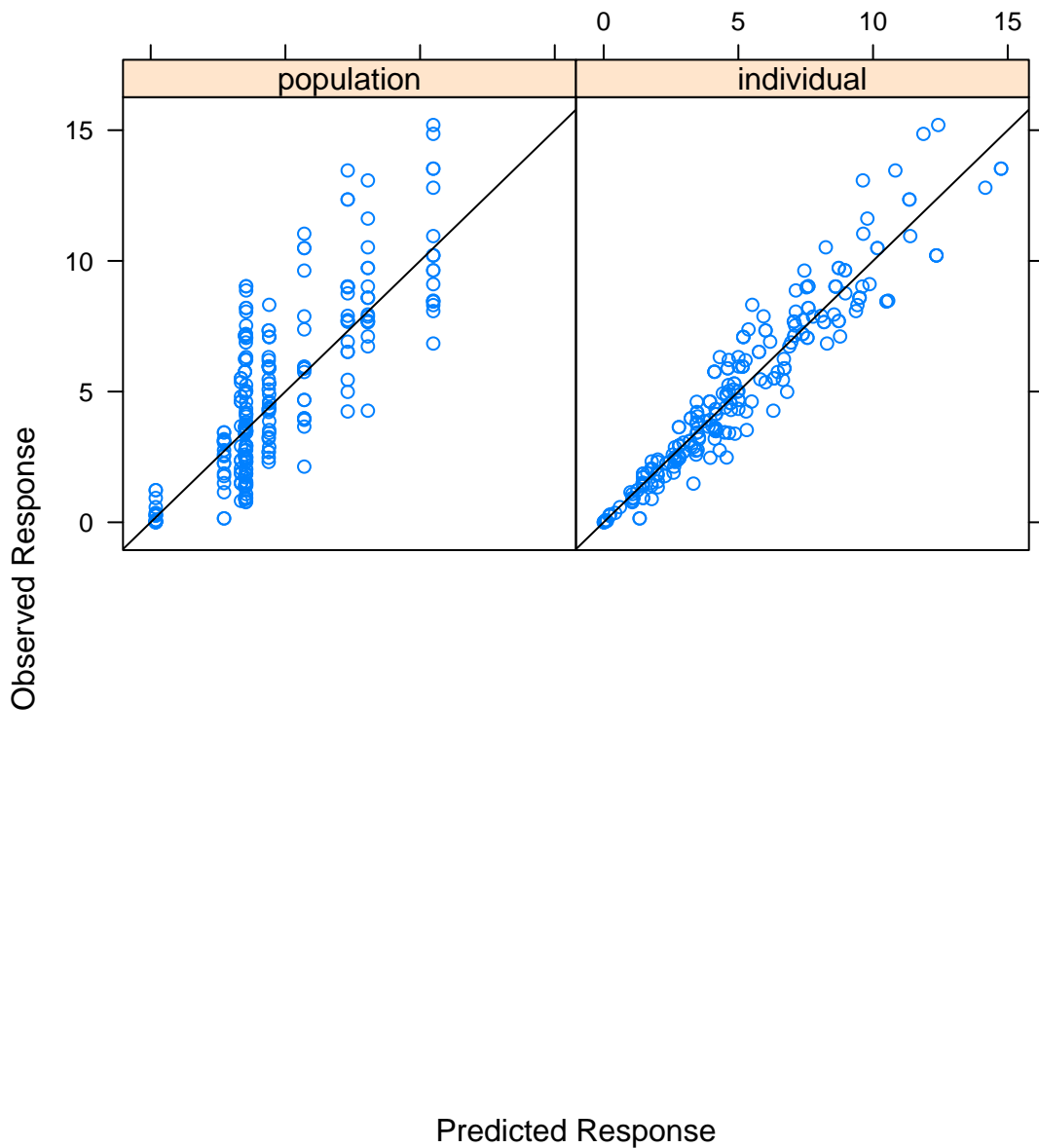**Residuals vs. Time for female data**

Model 1003
Normal Q–Q Plot Residuals for female data

RES · WRES

residuals

theoretical quantiles
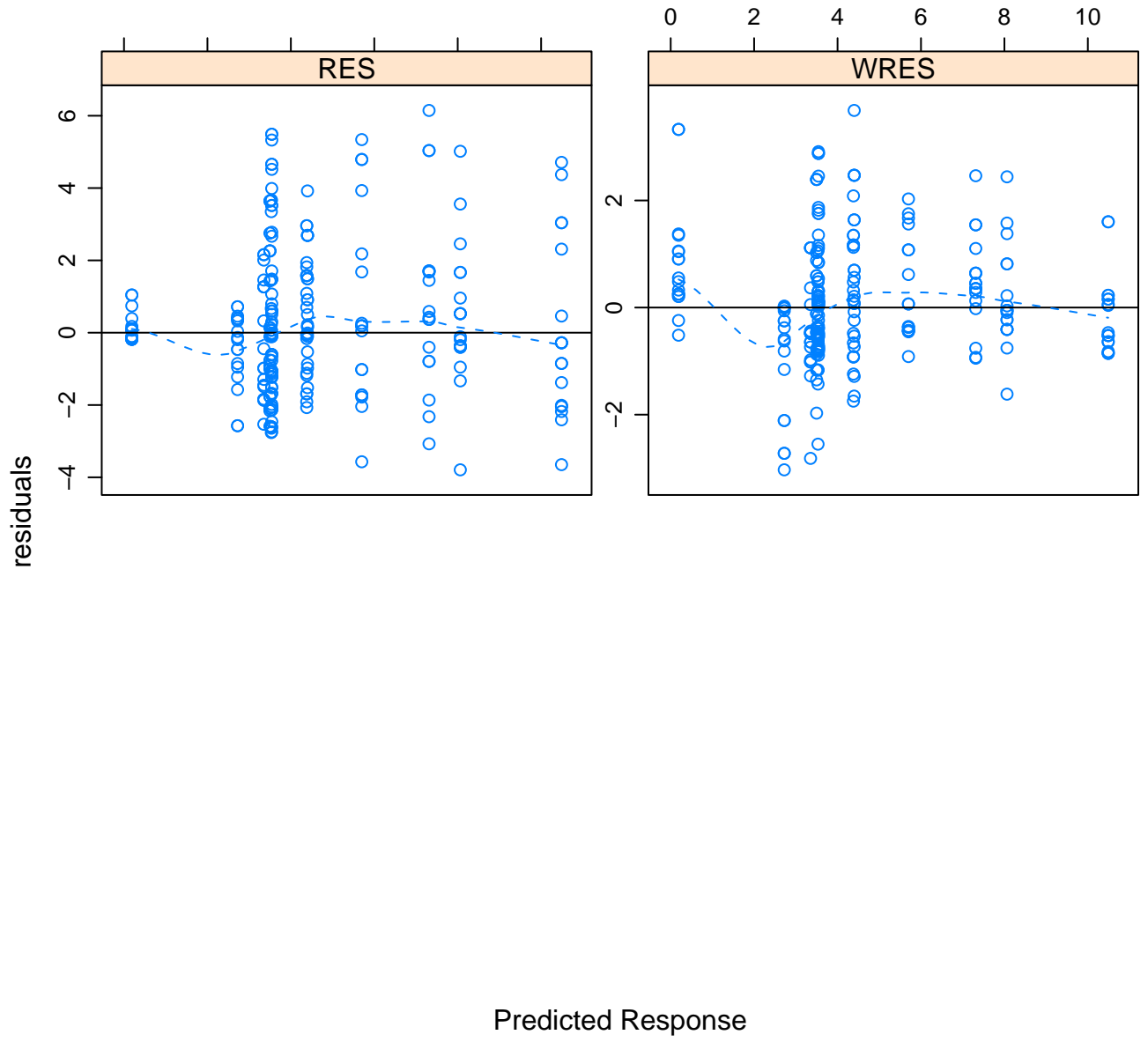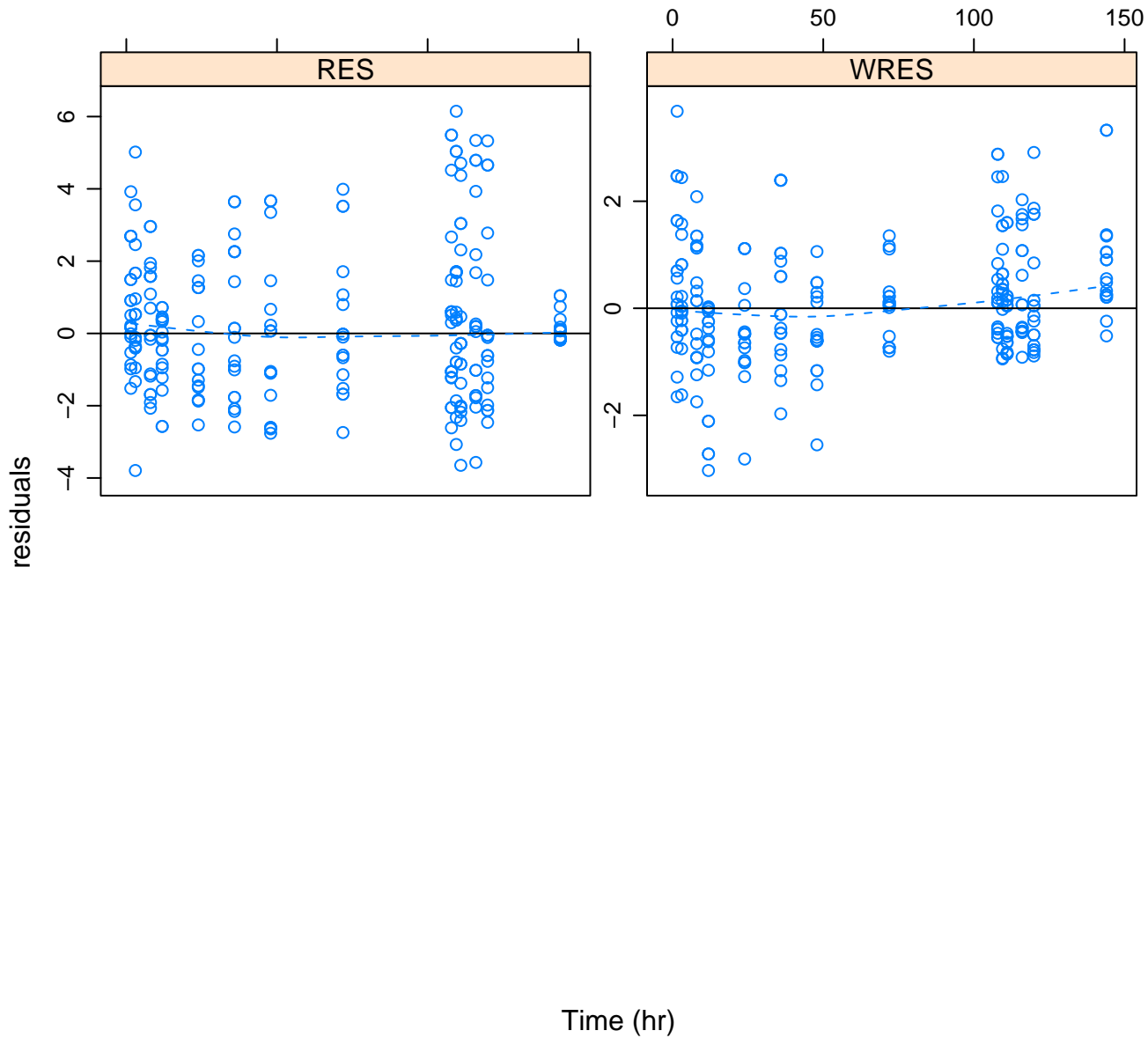
Model 1003
Observed vs. Predicted for male data

Model 1003
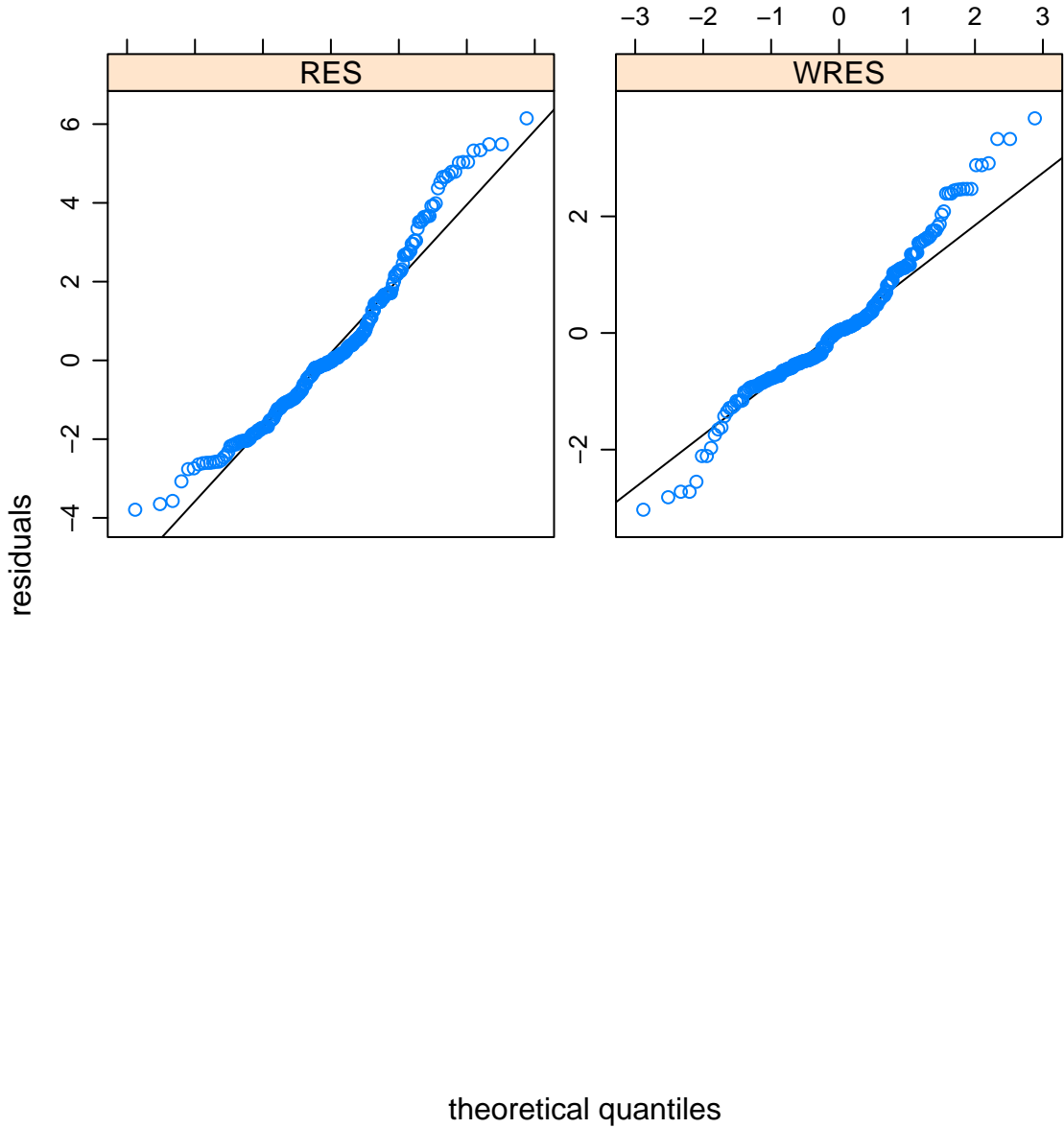**Residuals vs. Predicted for male data**

Model 1003
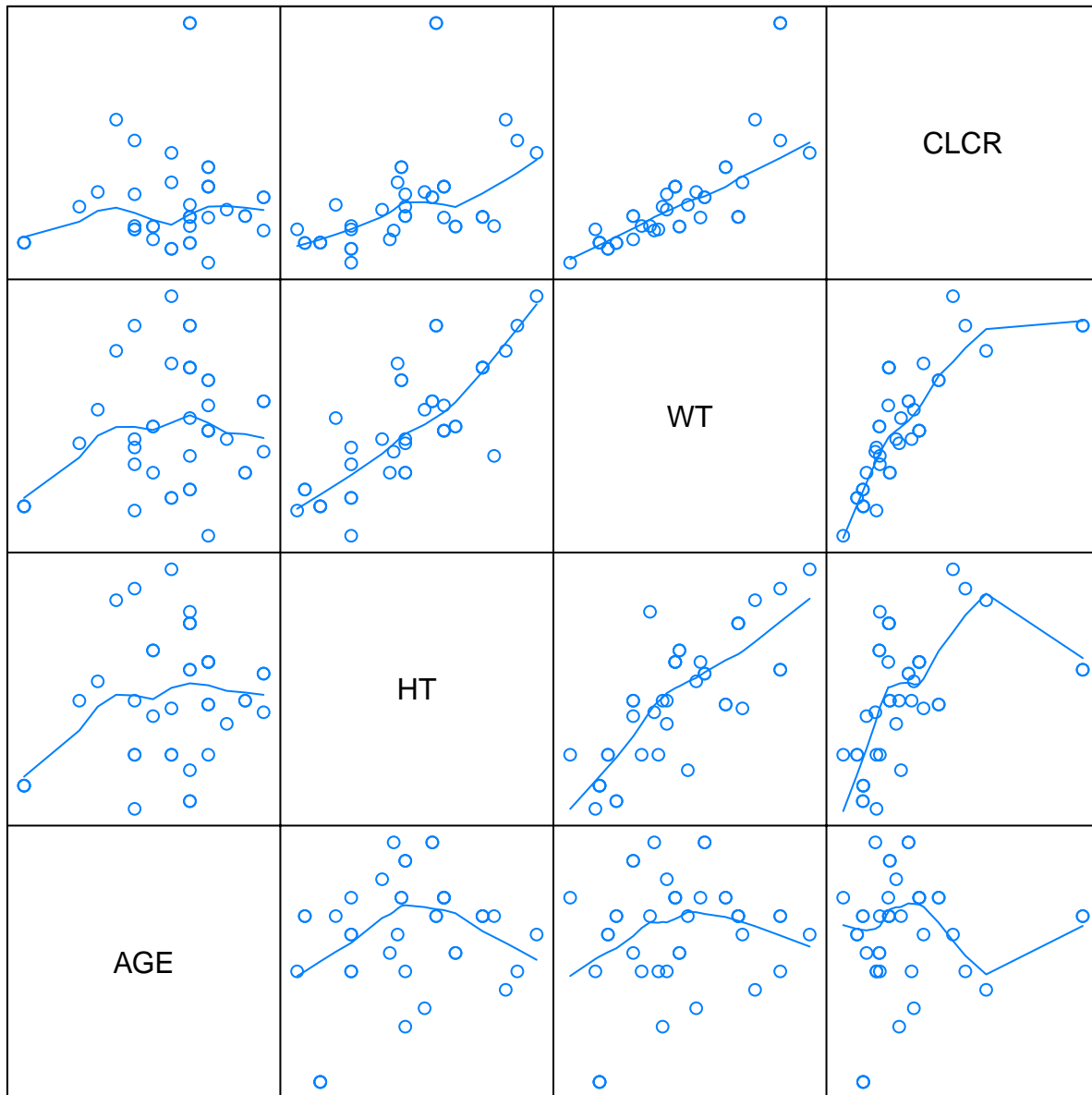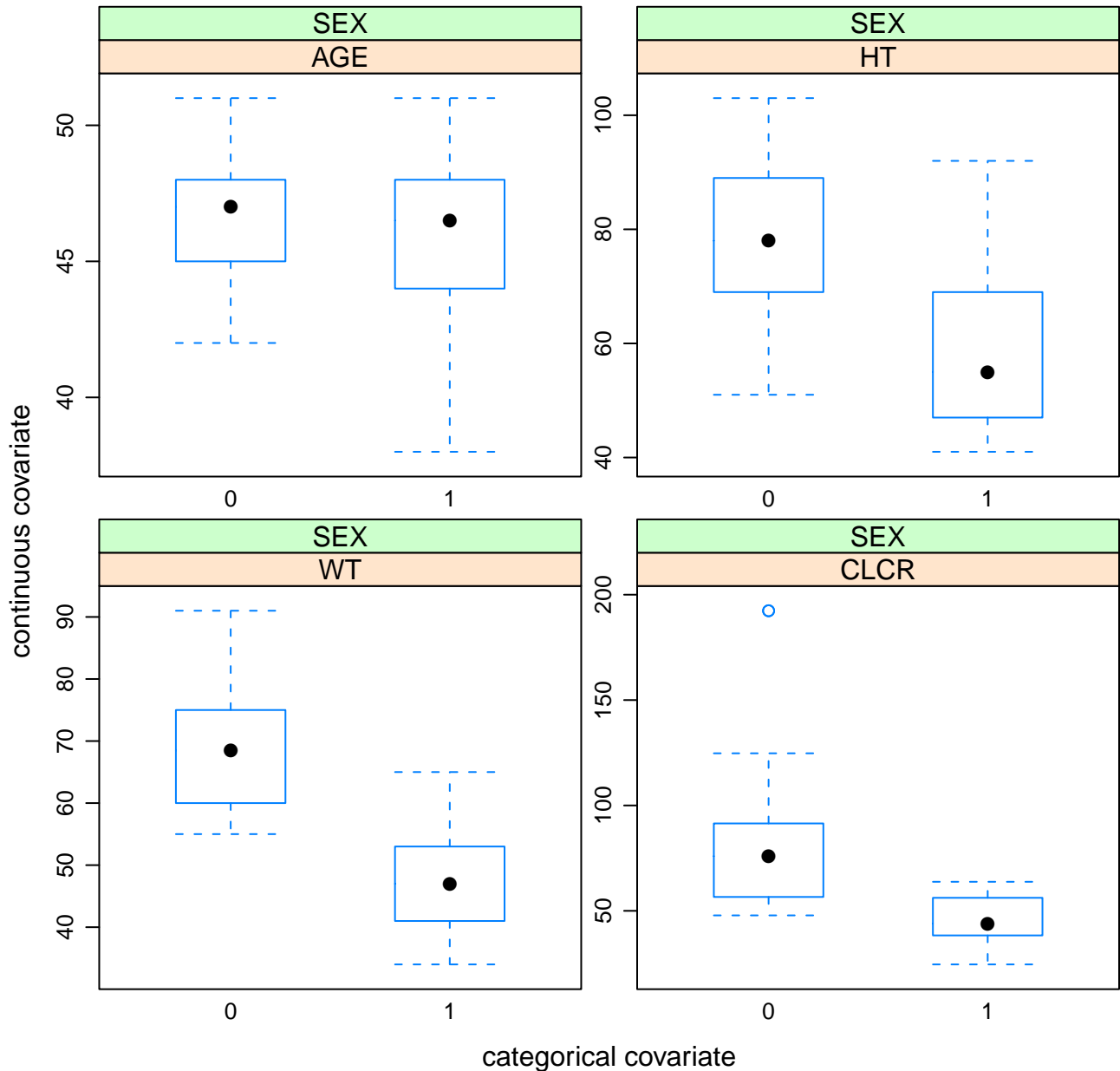**Residuals vs. Time for male data**

Model 1003
Normal Q–Q Plot Residuals for male data

Covariate Scatterplots

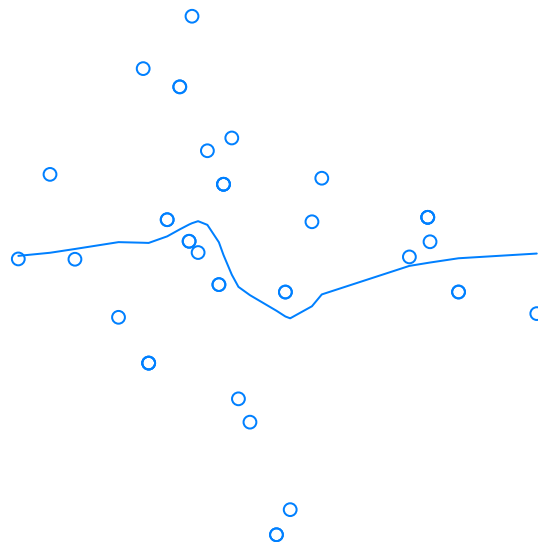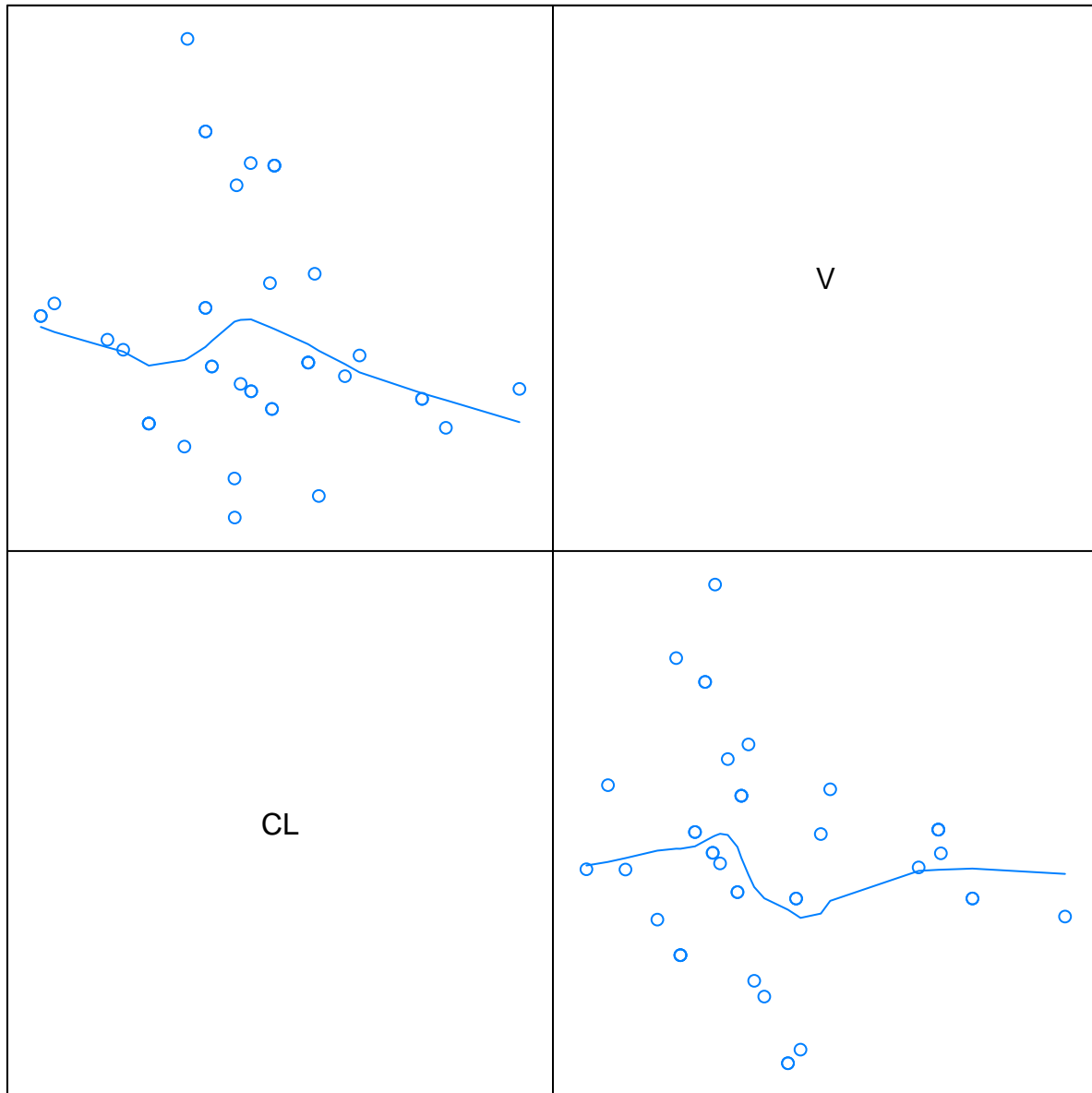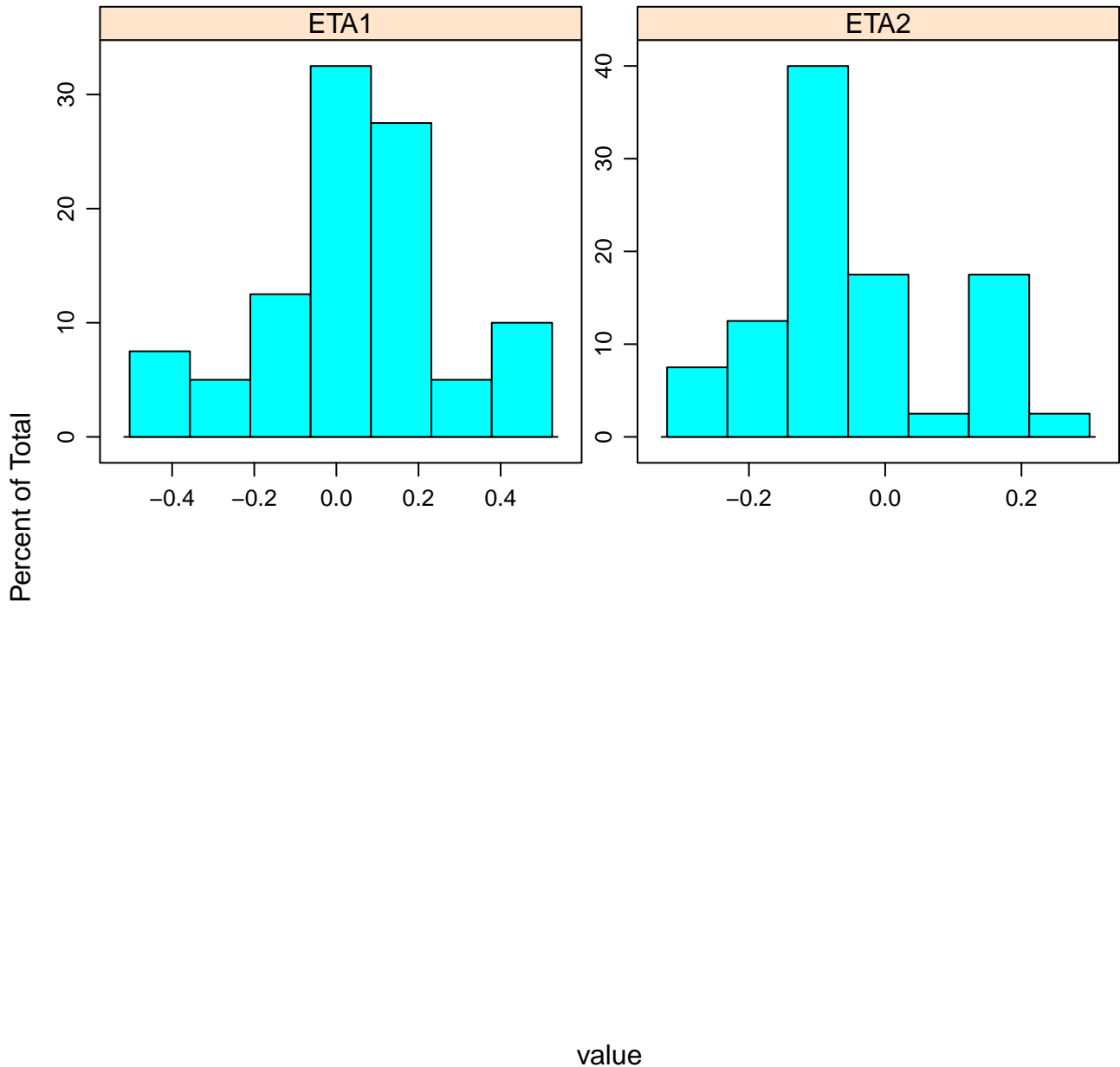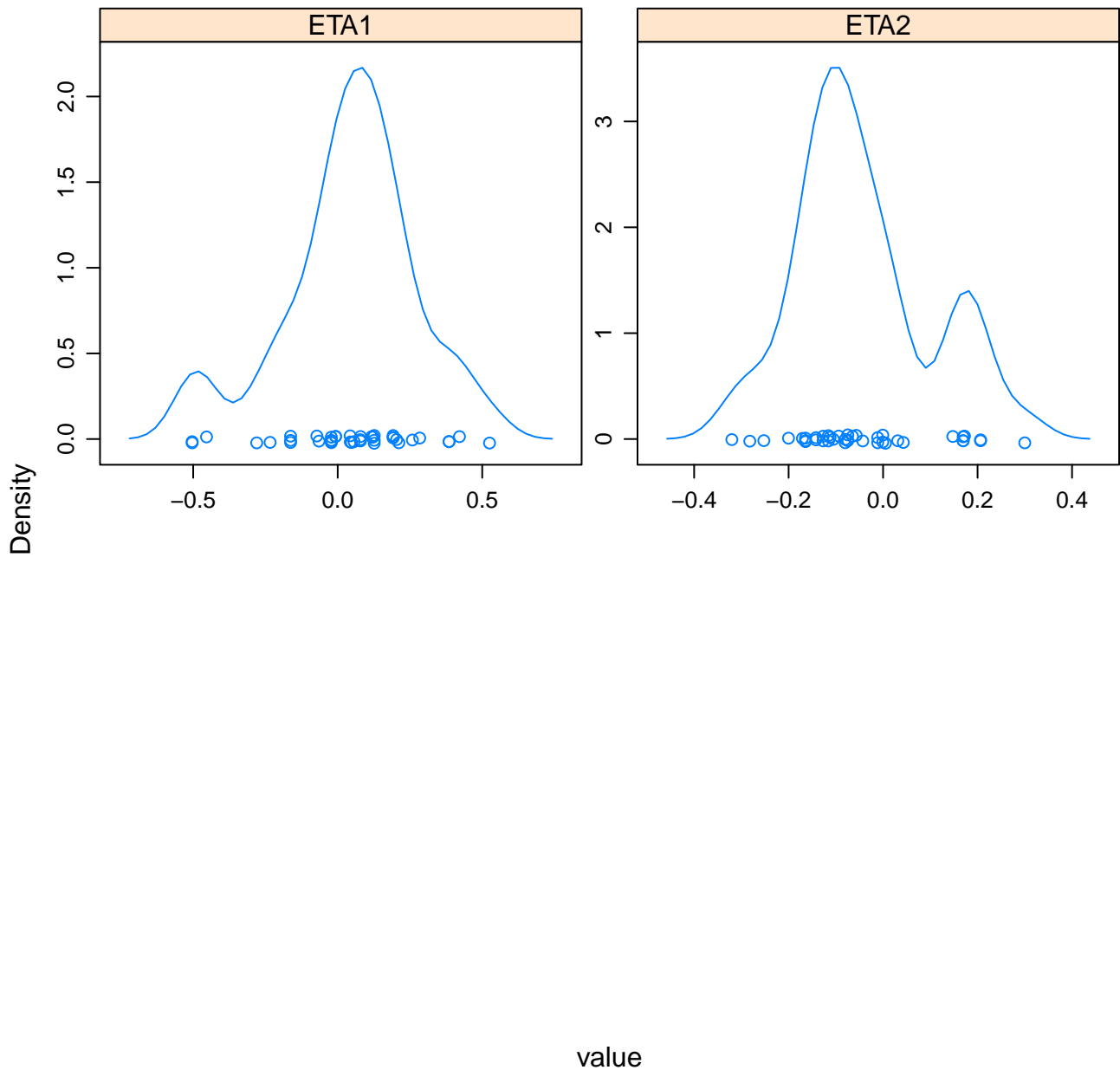**Continuous Covariates vs. Categorical Covariates**
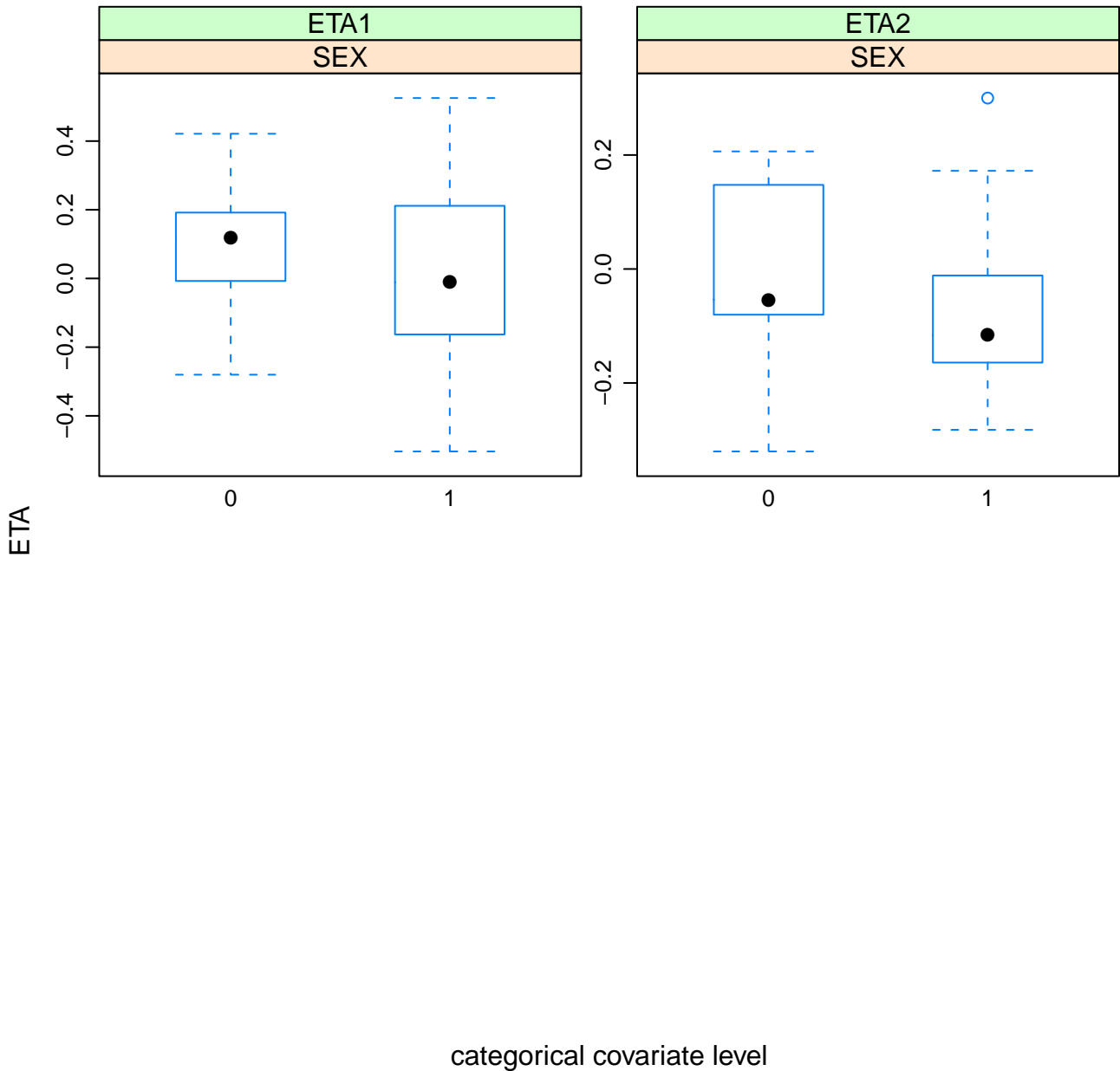
ETA Scatterplots

Parameter Scatterplots
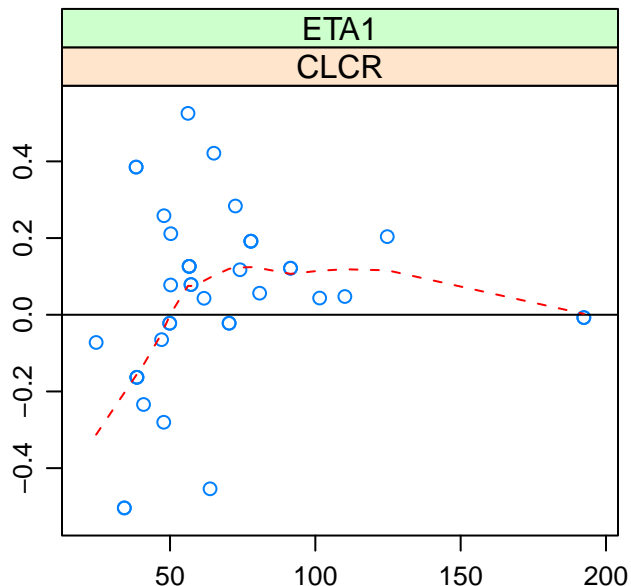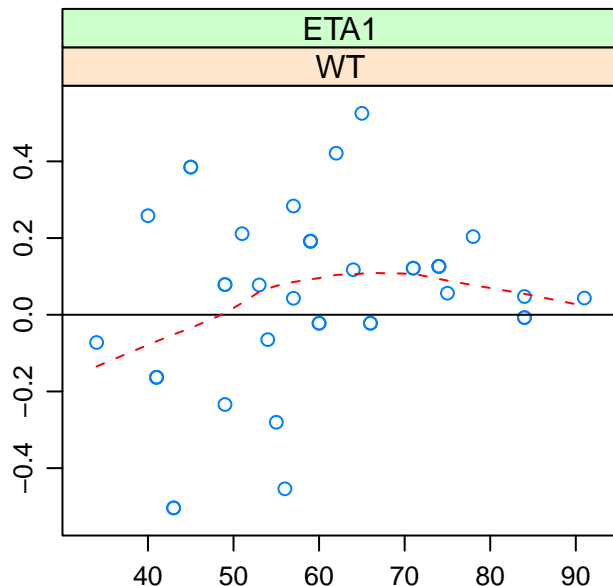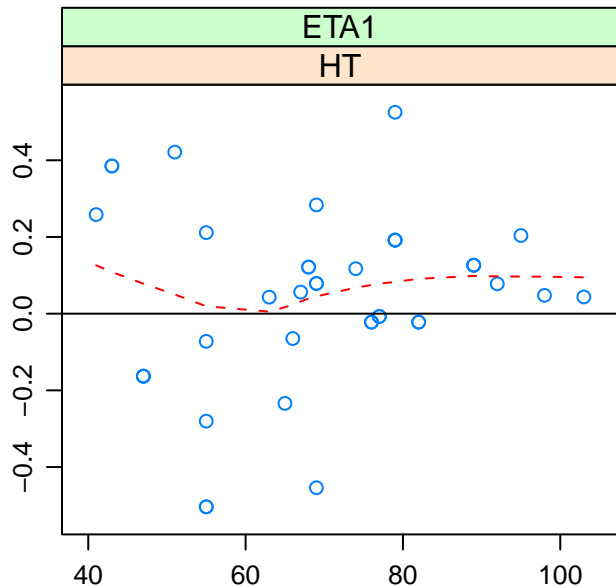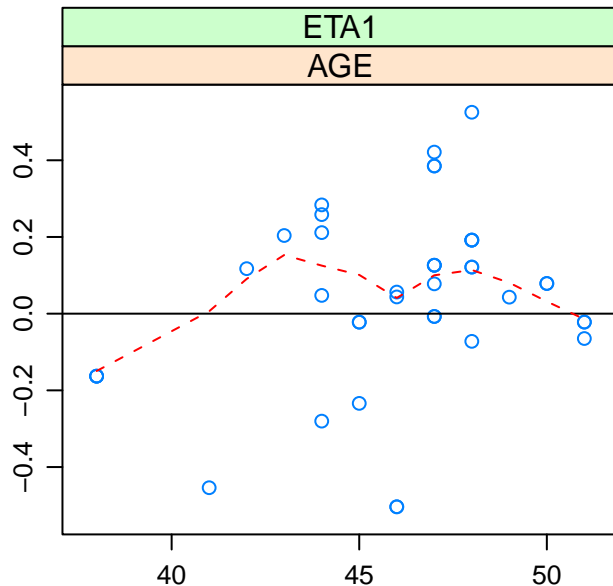
Histograms of Etas

Density of Etas

Boxplots of Etas by Categorical Covariate

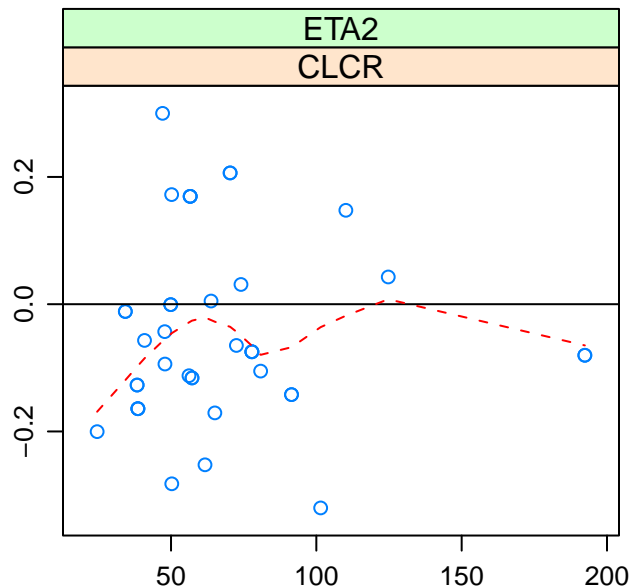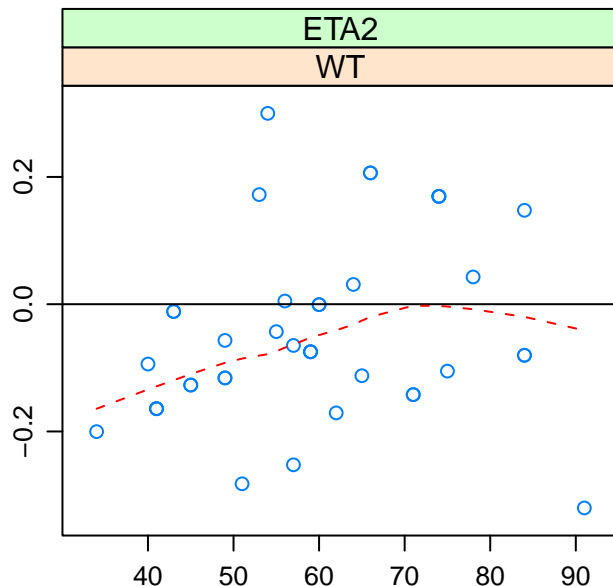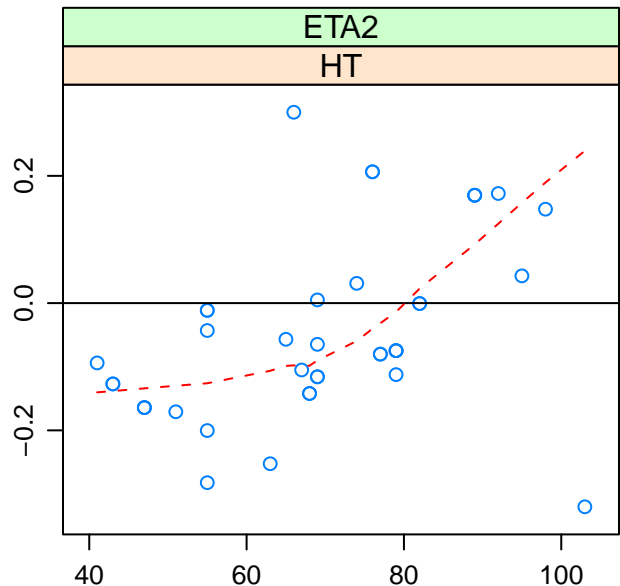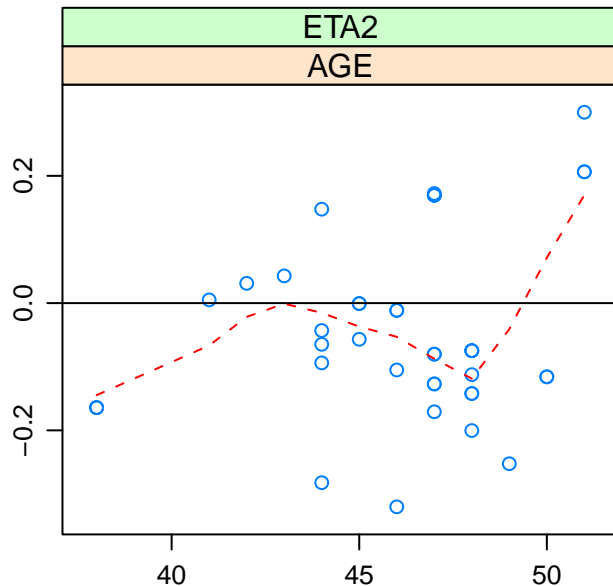Etas vs. Continuous Covariates

Etas vs. Continuous Covariates