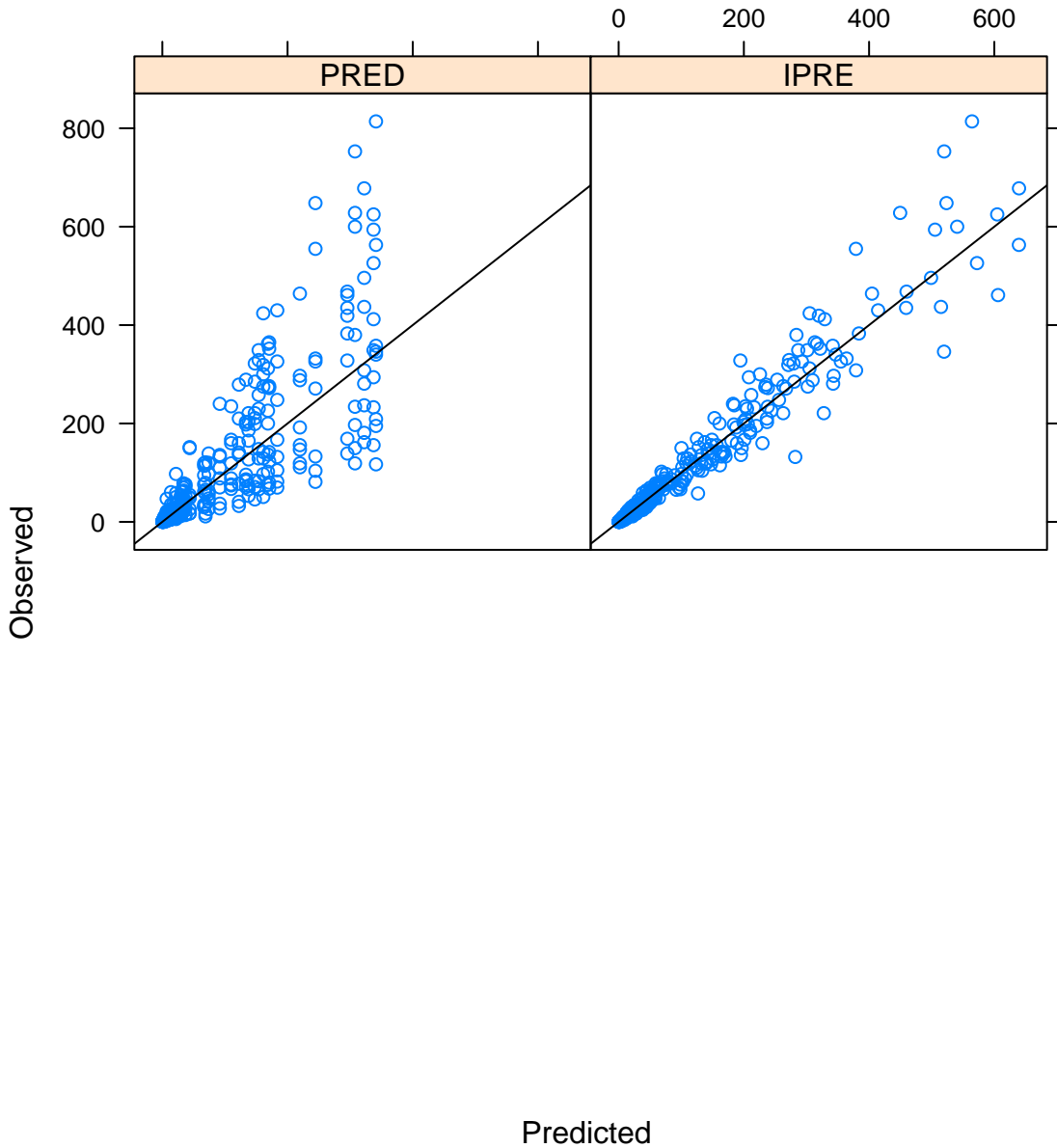


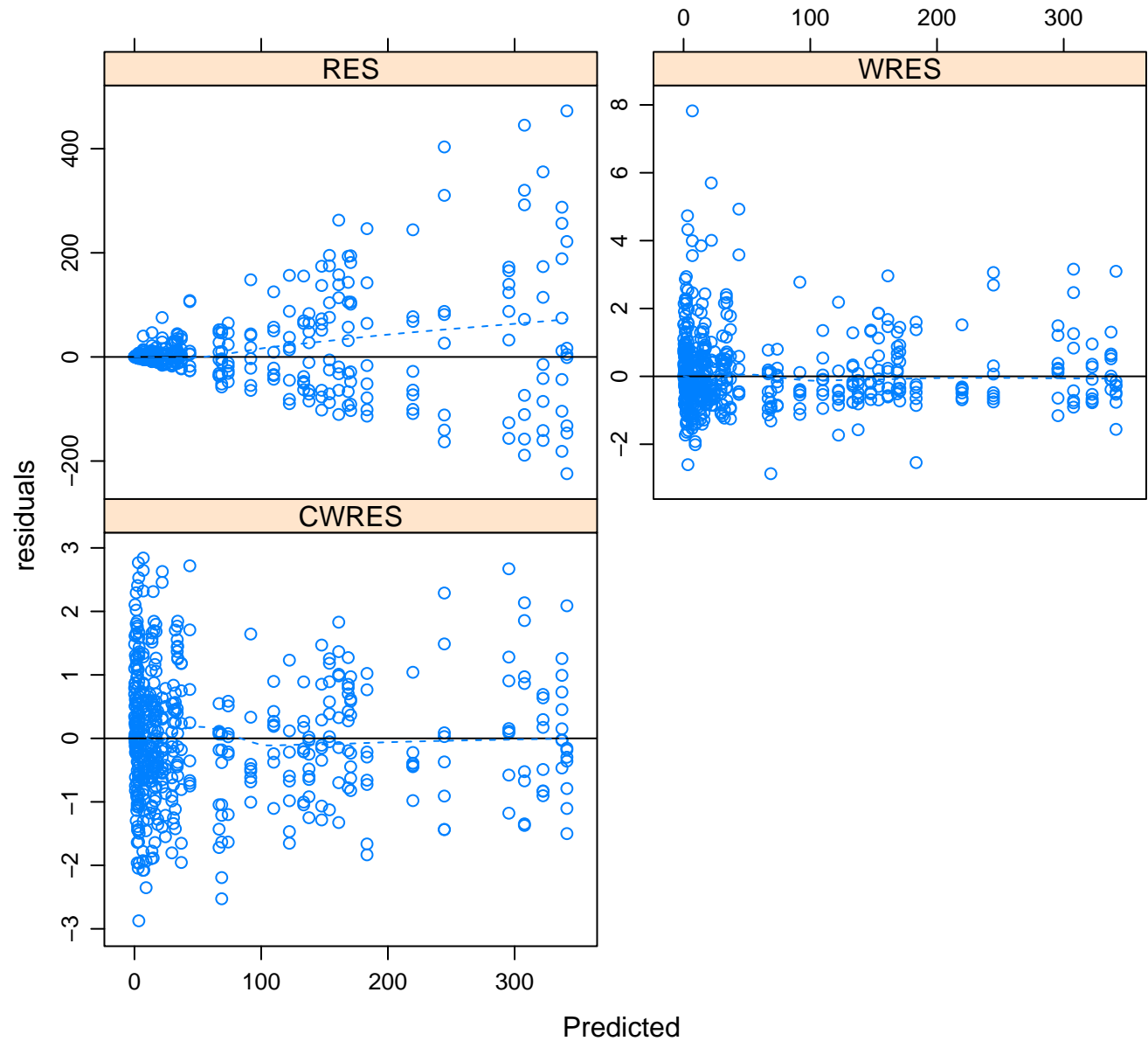
Model 1001

Observed vs. Predicted for all data



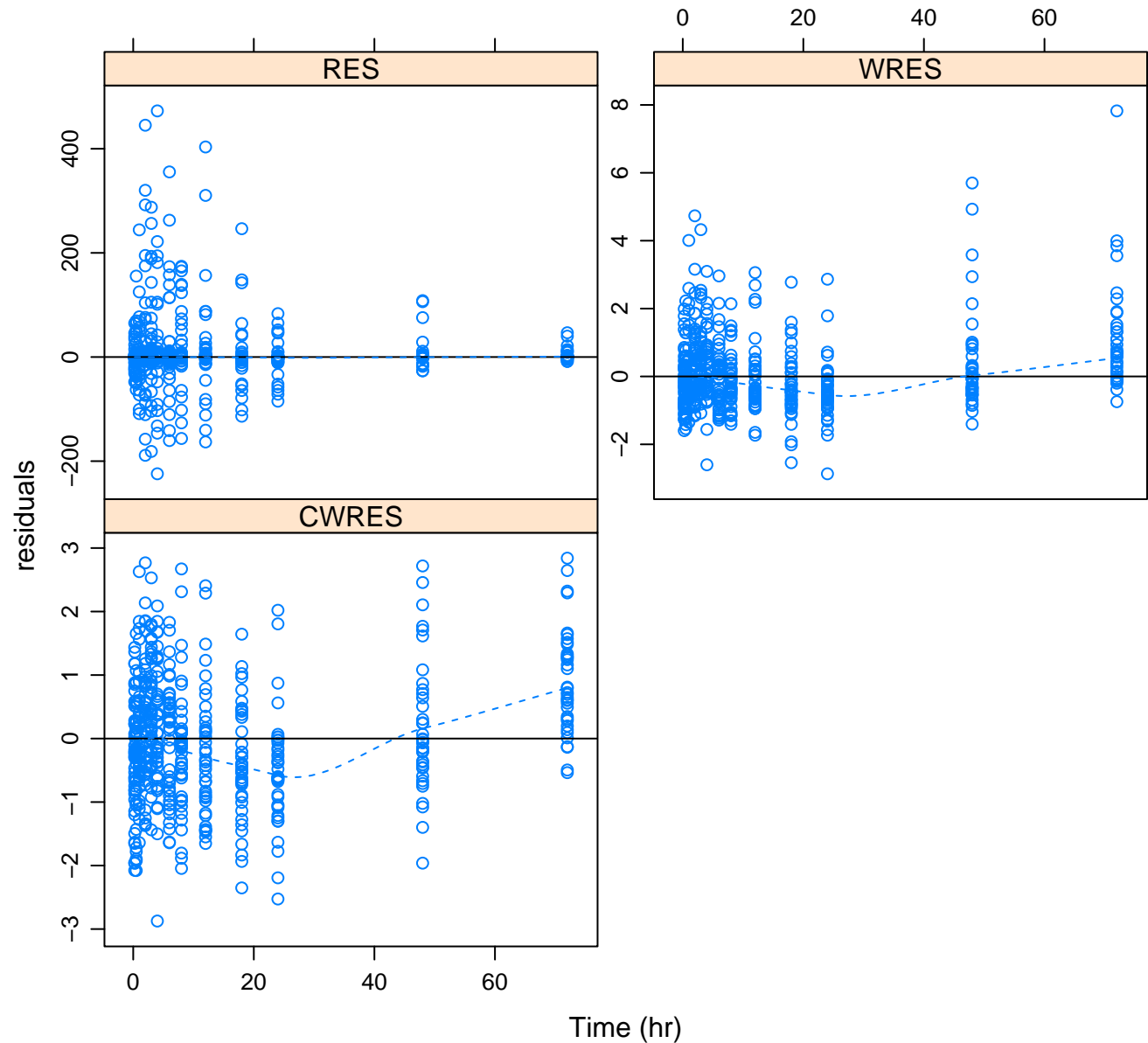
Model 1001

Residuals vs. Predicted for all data



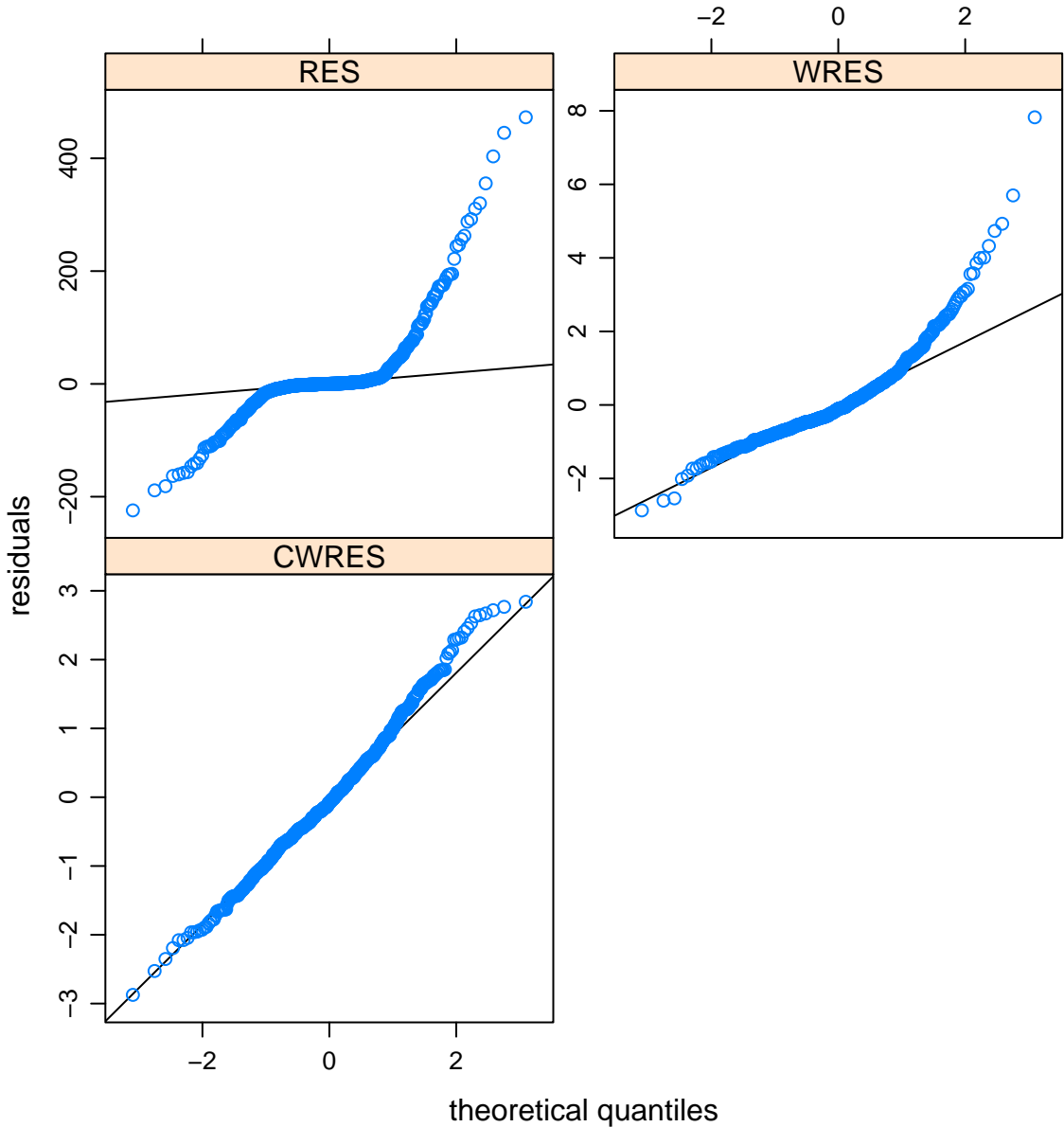
Model 1001

Residuals vs. Time for all data



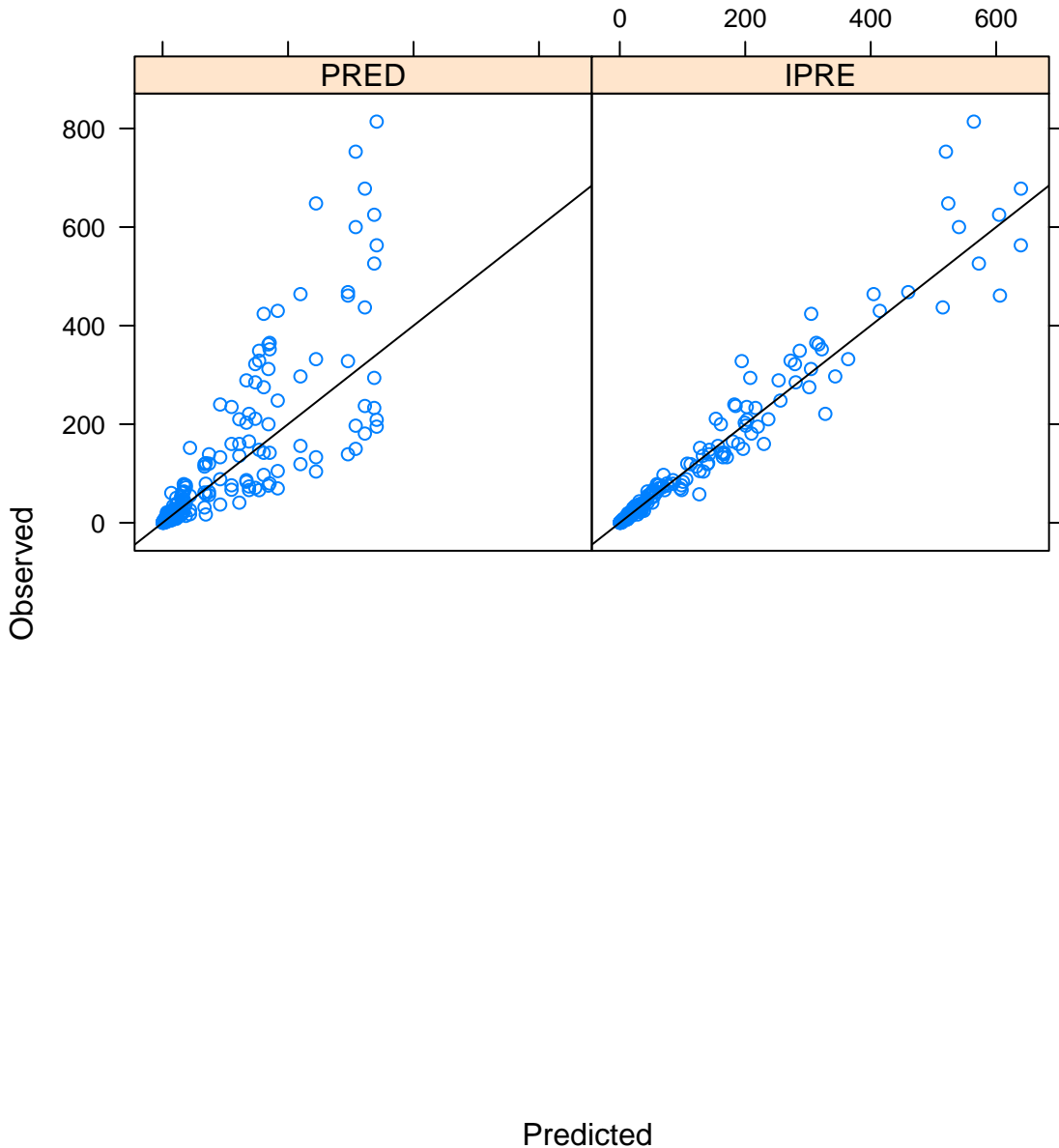
Model 1001

Normal Q-Q Plot Residuals for all data



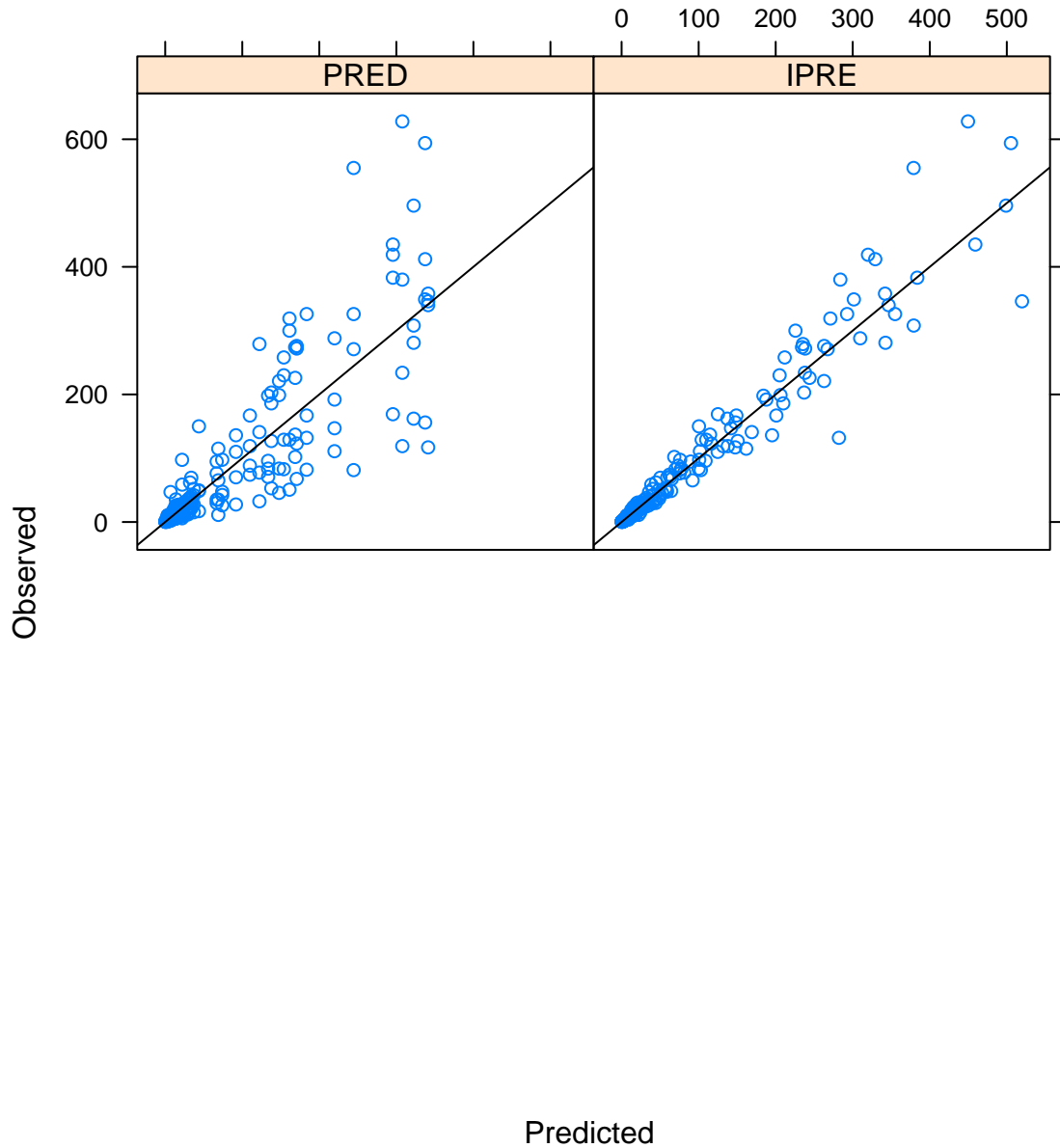
Model 1001

Observed vs. Predicted for female data



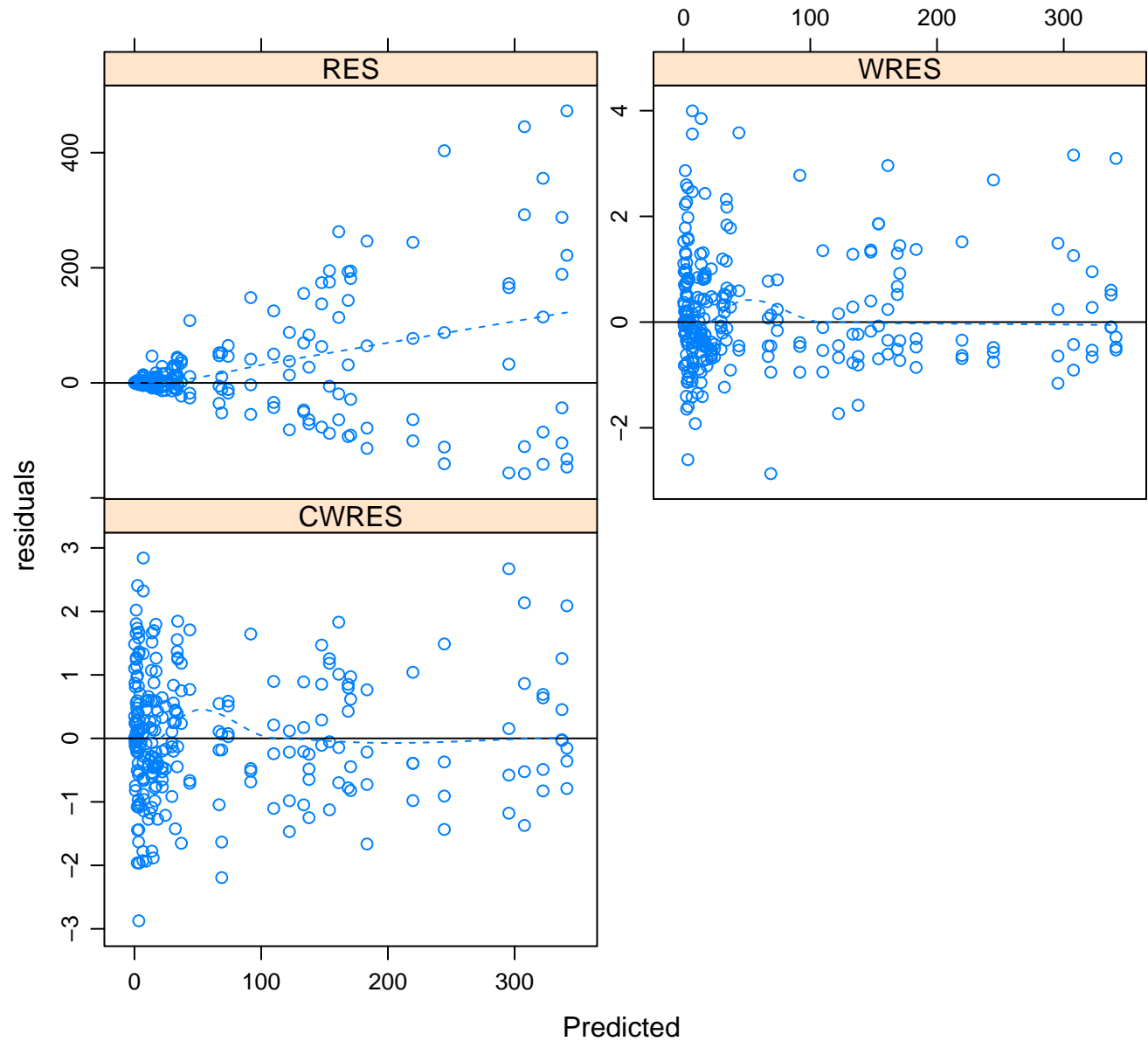
Model 1001

Observed vs. Predicted for male data

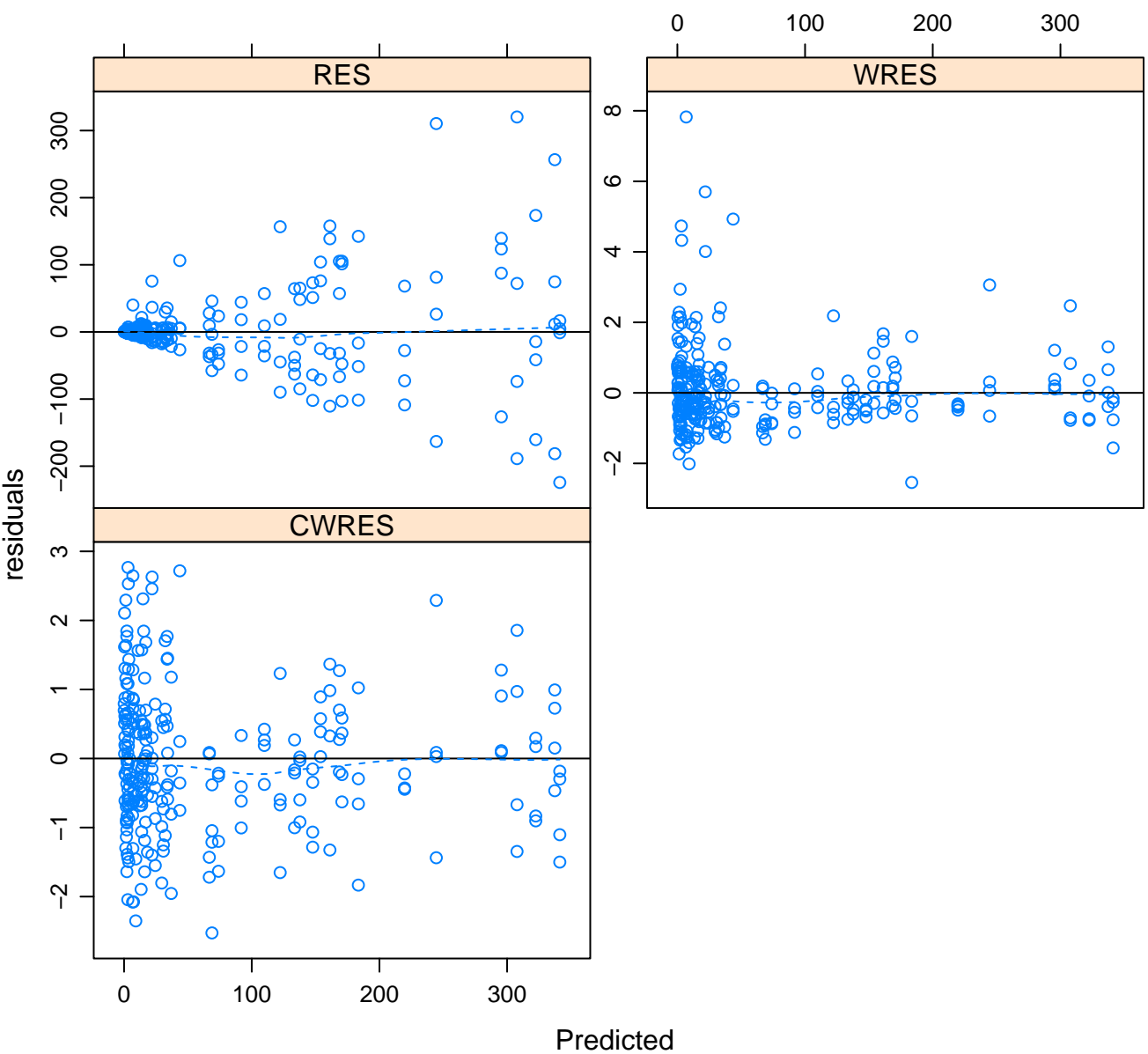


Model 1001

Residuals vs. Predicted for female data

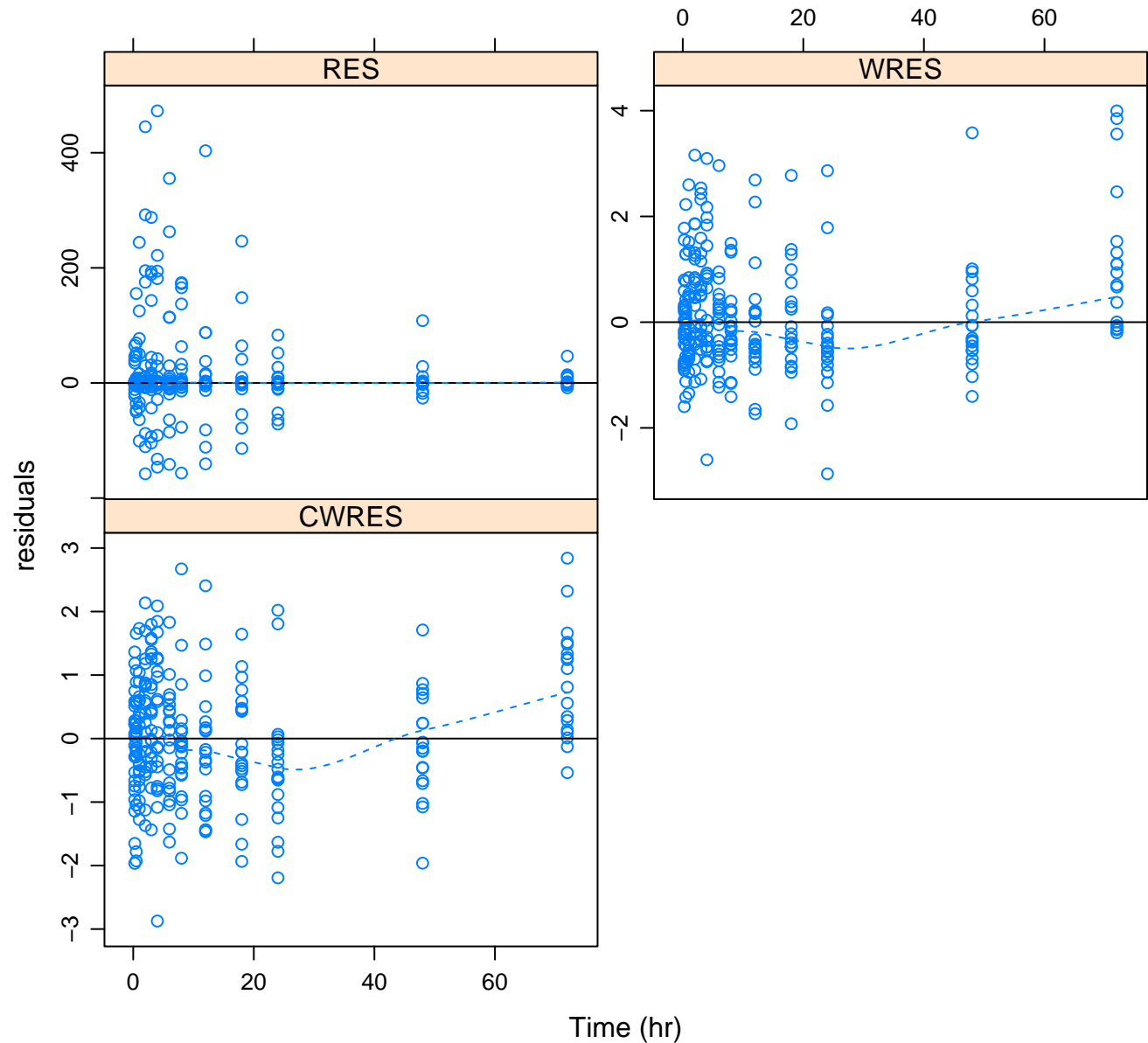


Model 1001
Residuals vs. Predicted for male data



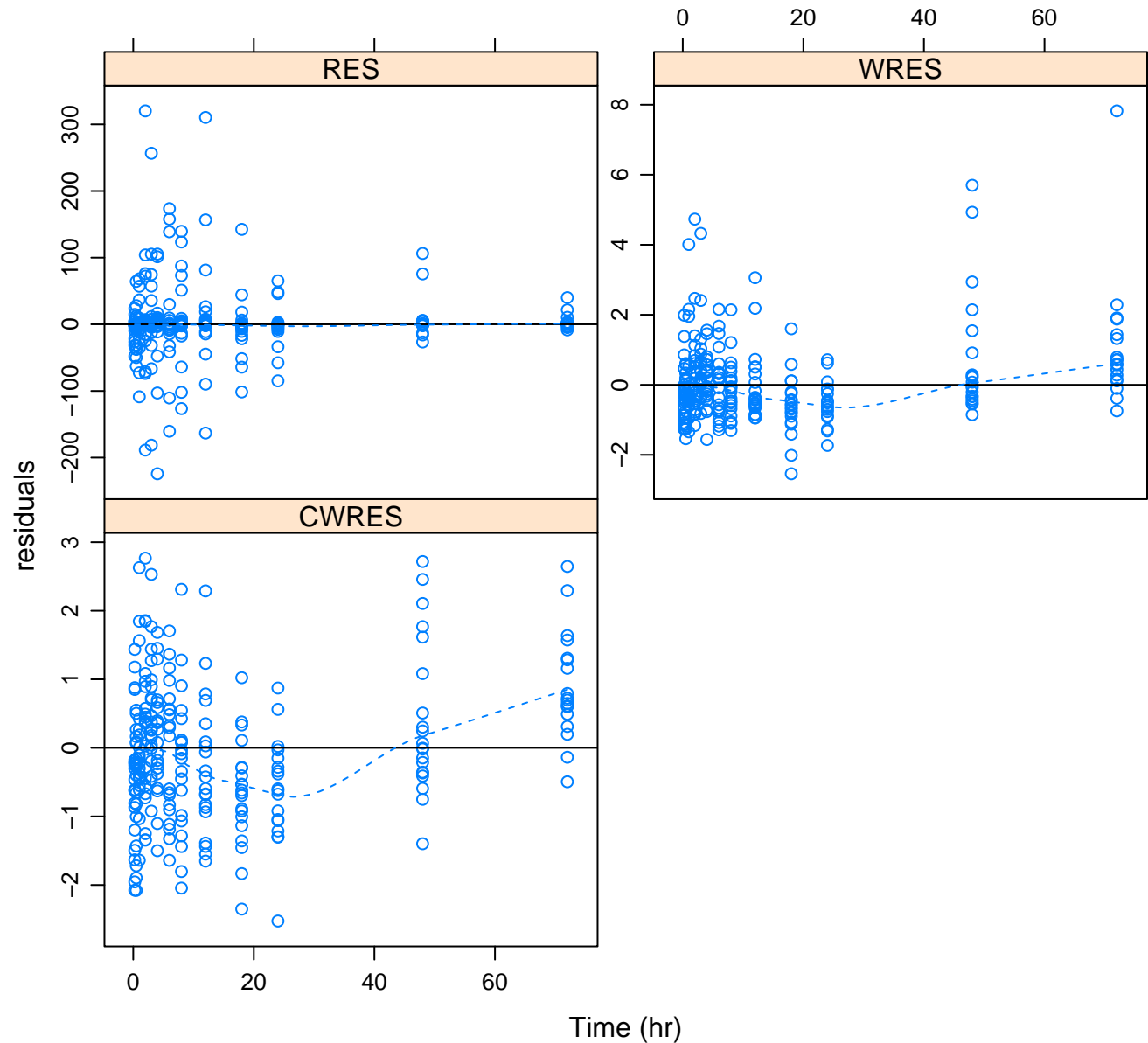
Model 1001

Residuals vs. Time for female data



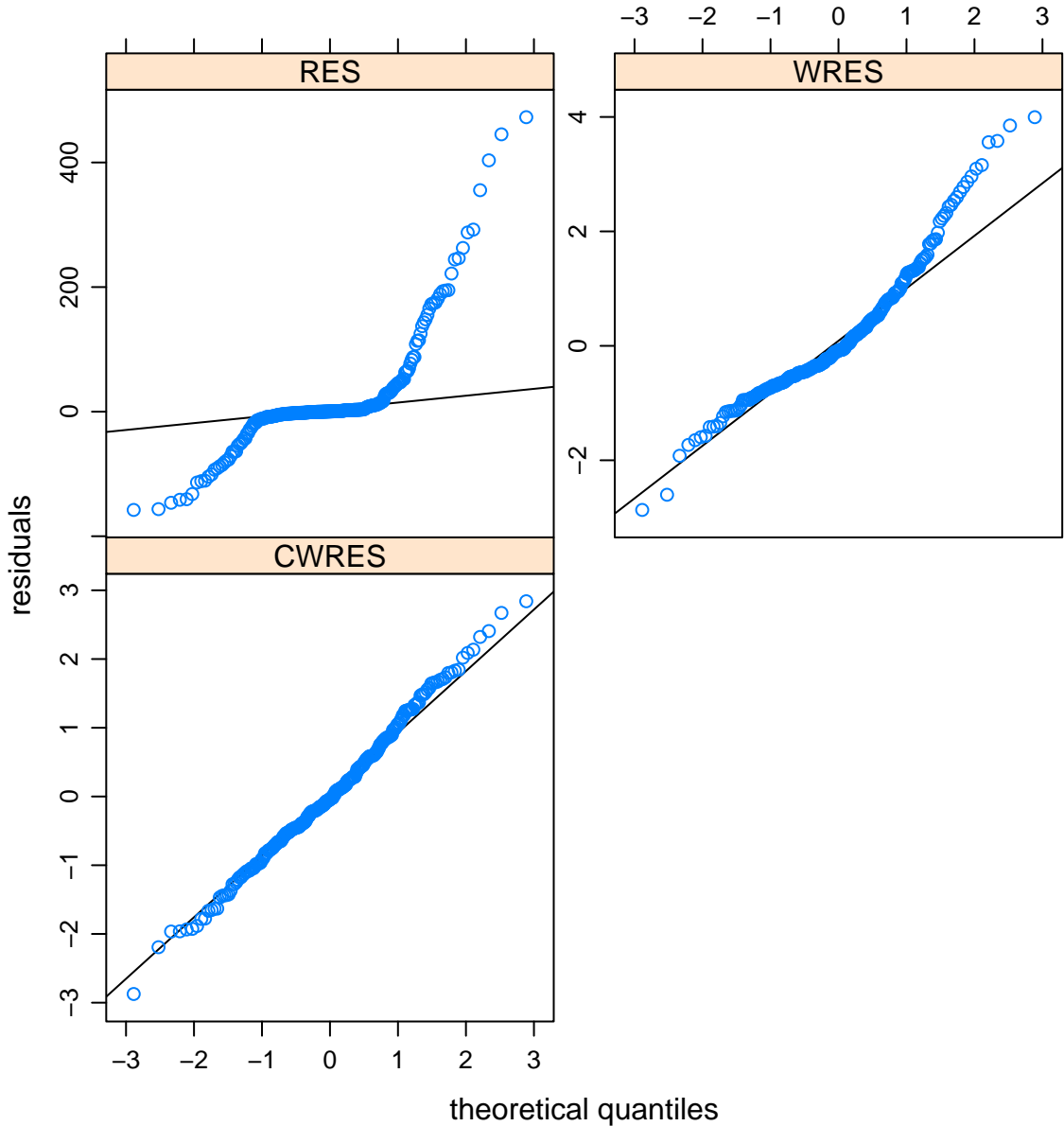
Model 1001

Residuals vs. Time for male data



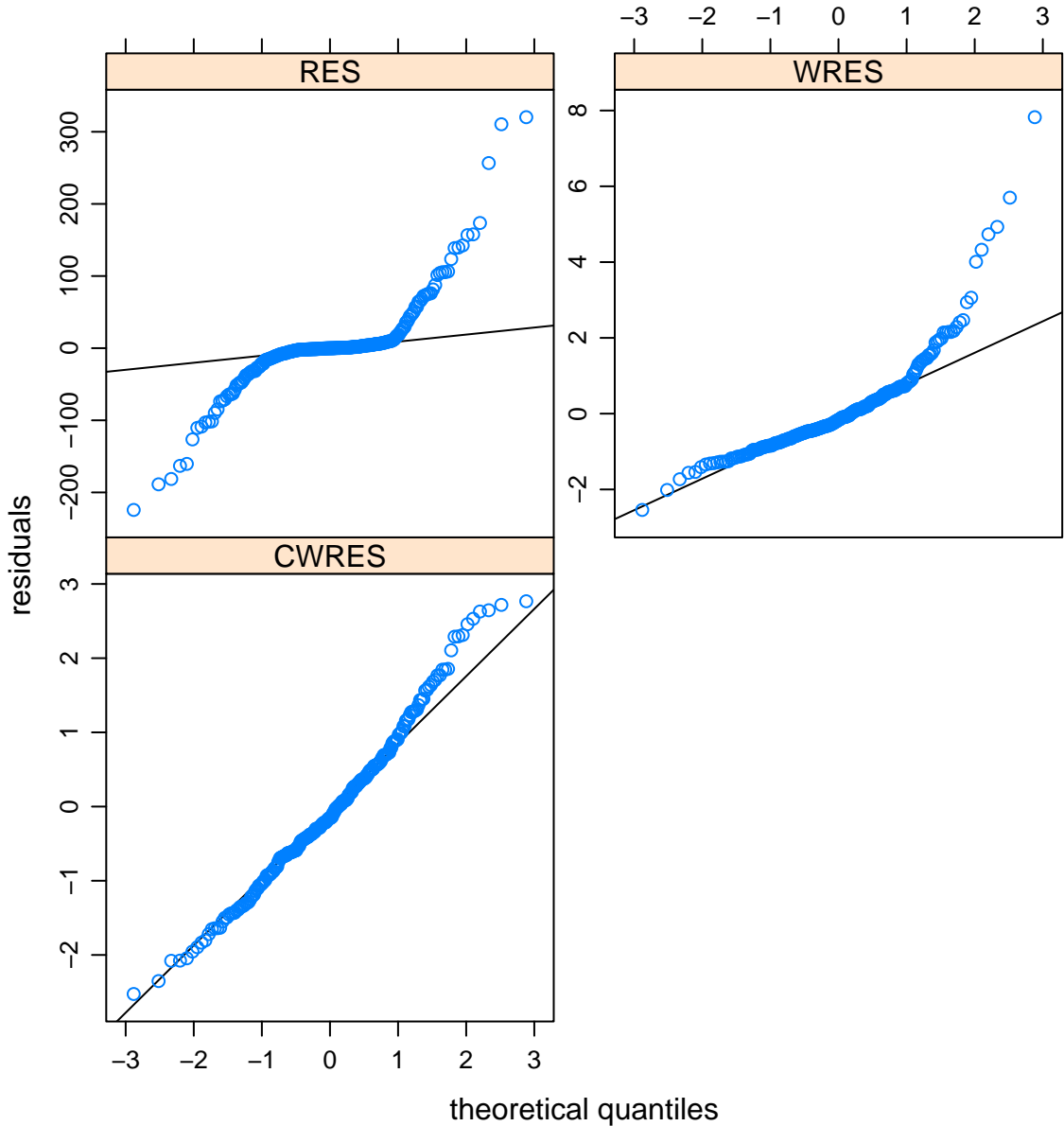
Model 1001

Normal Q-Q Plot Residuals for female data

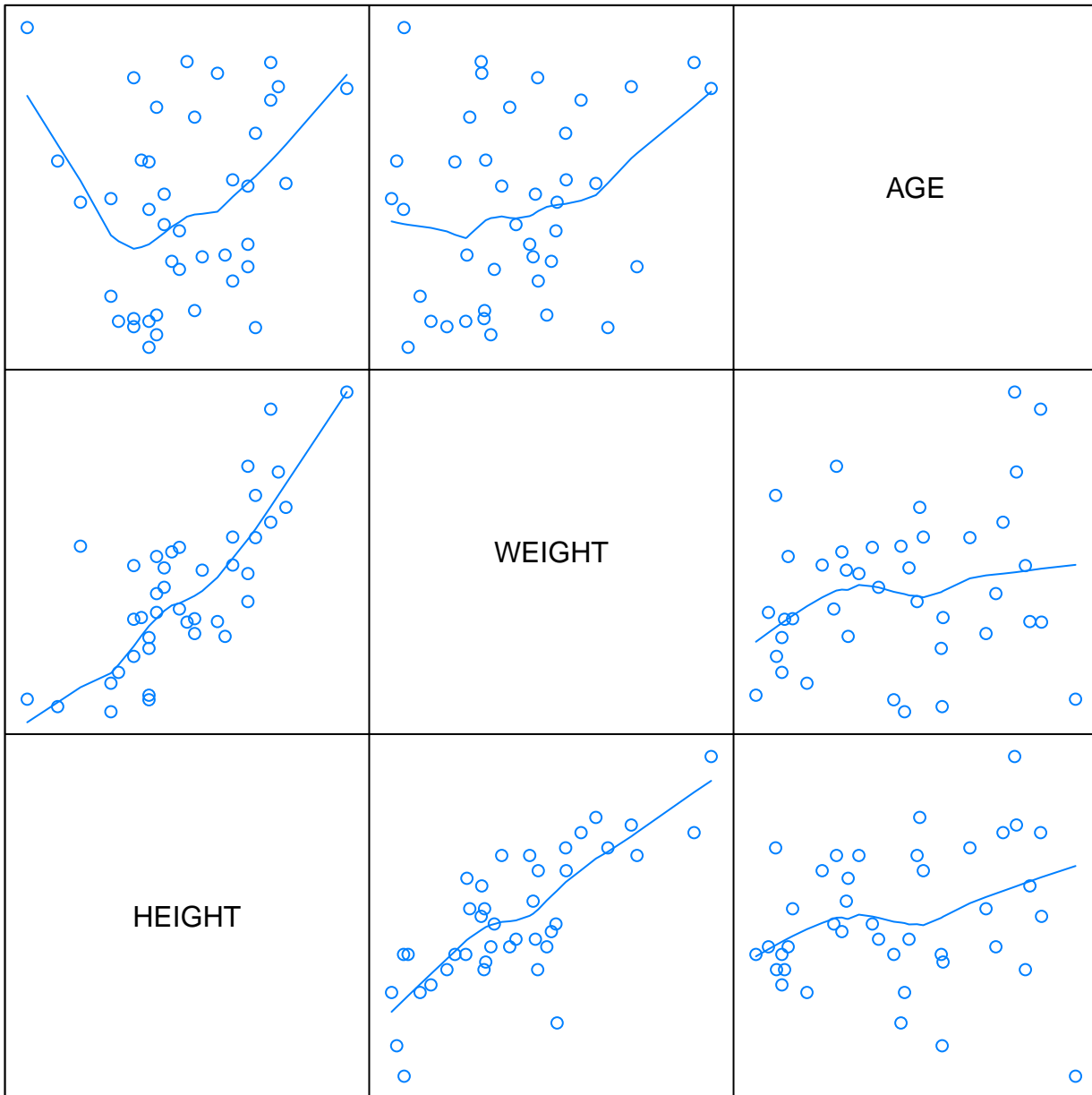


Model 1001

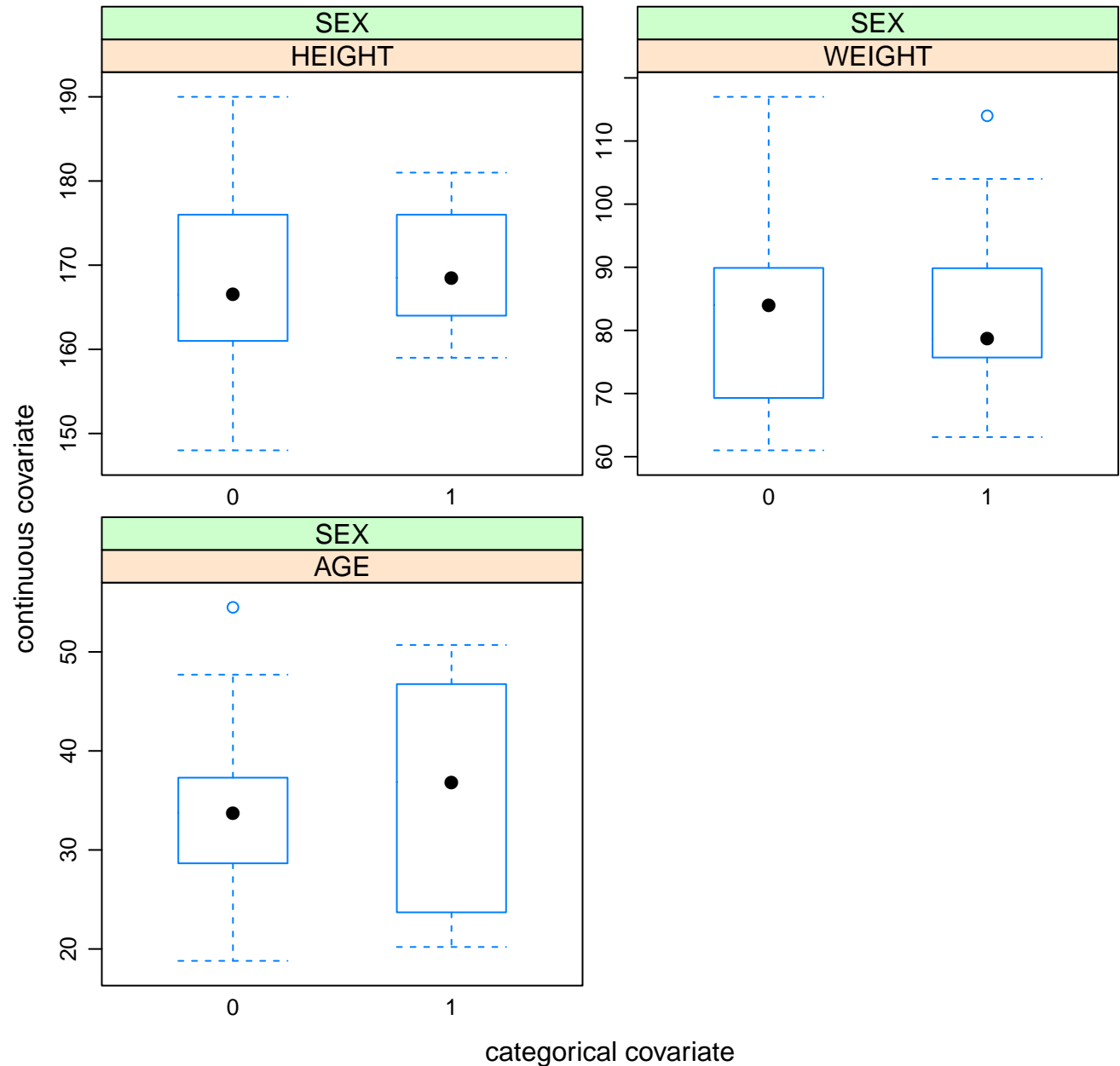
Normal Q-Q Plot Residuals for male data



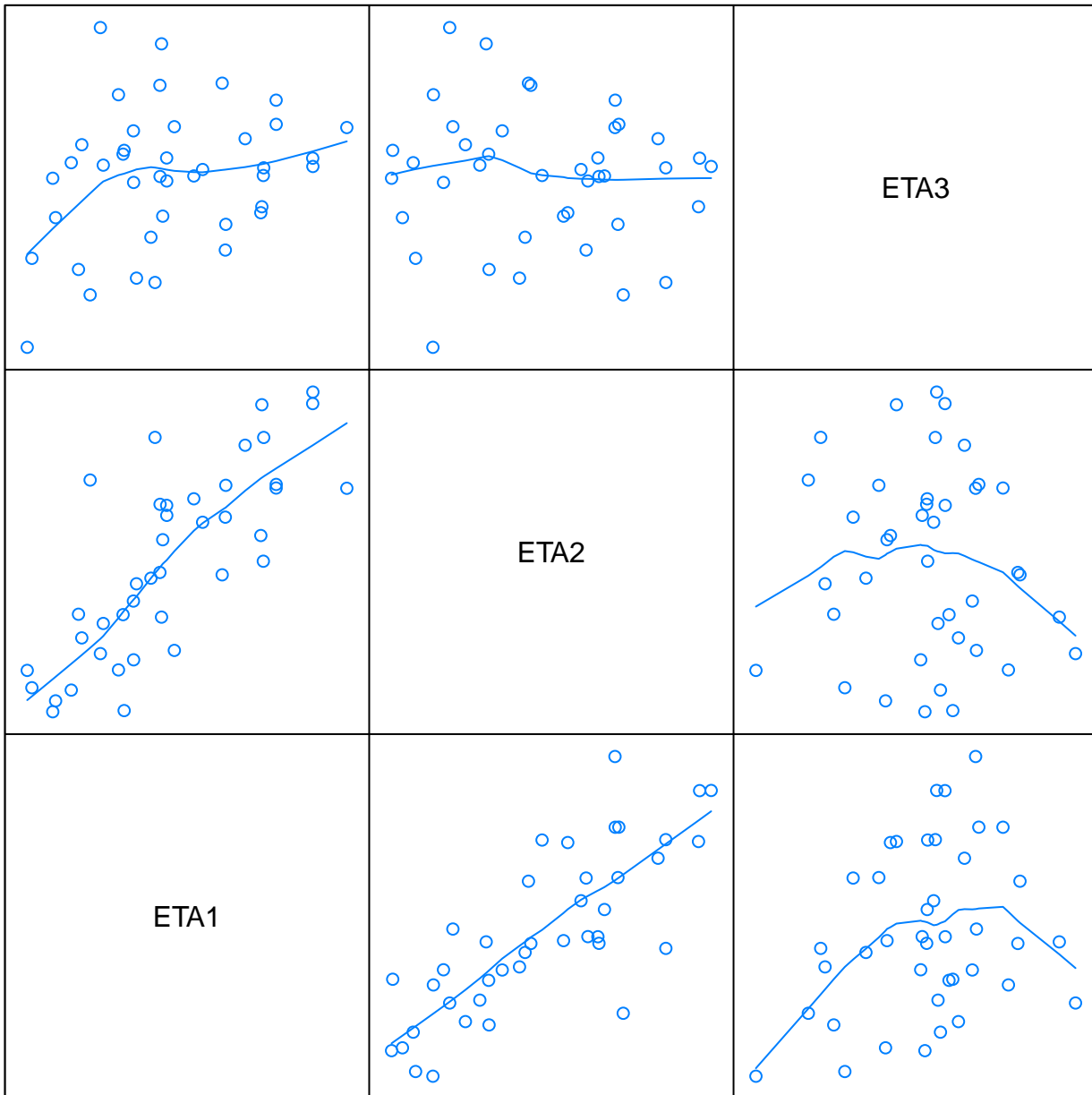
Covariate Scatterplots



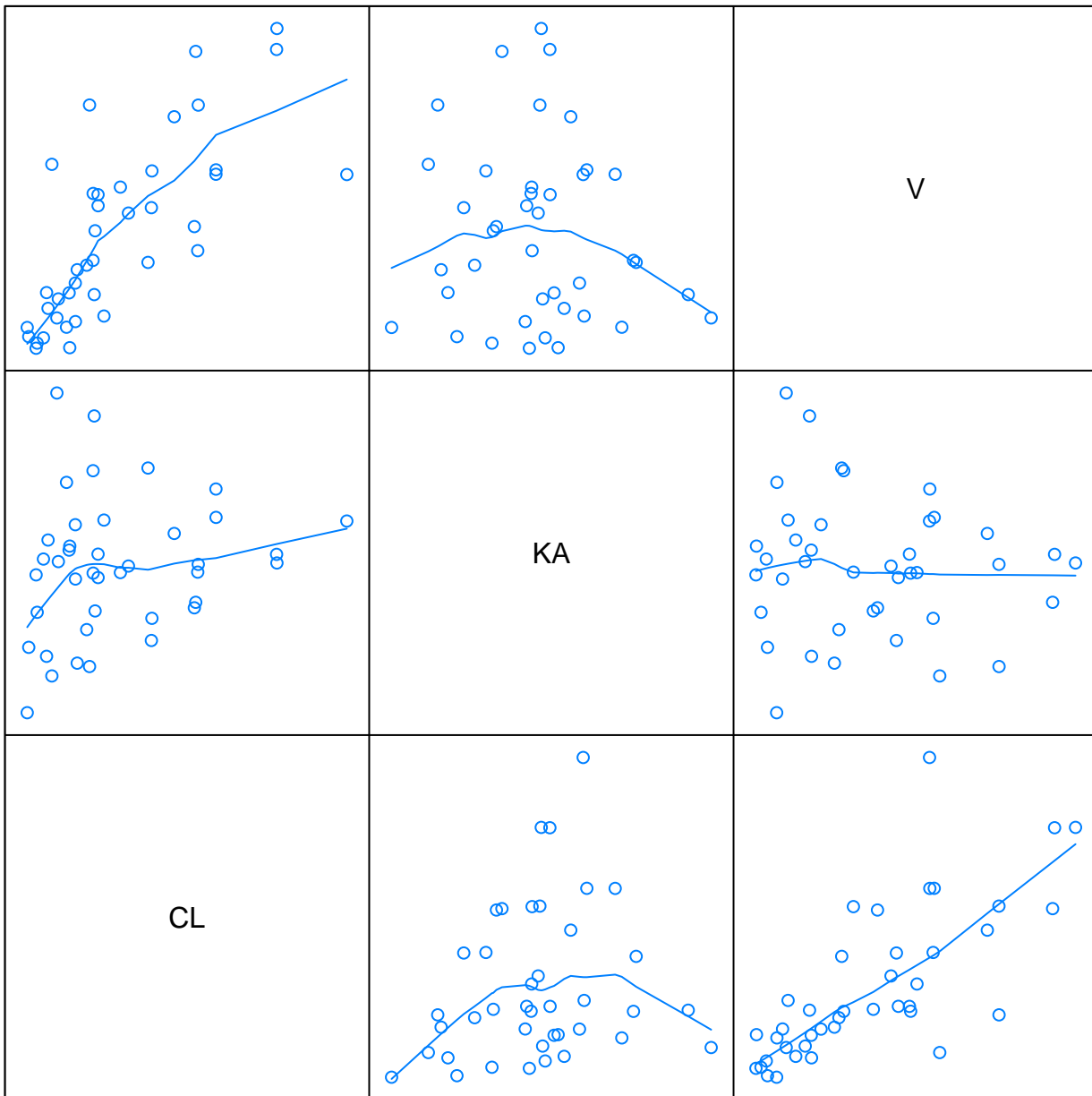
Continuous Covariates vs. Categorical Covariates



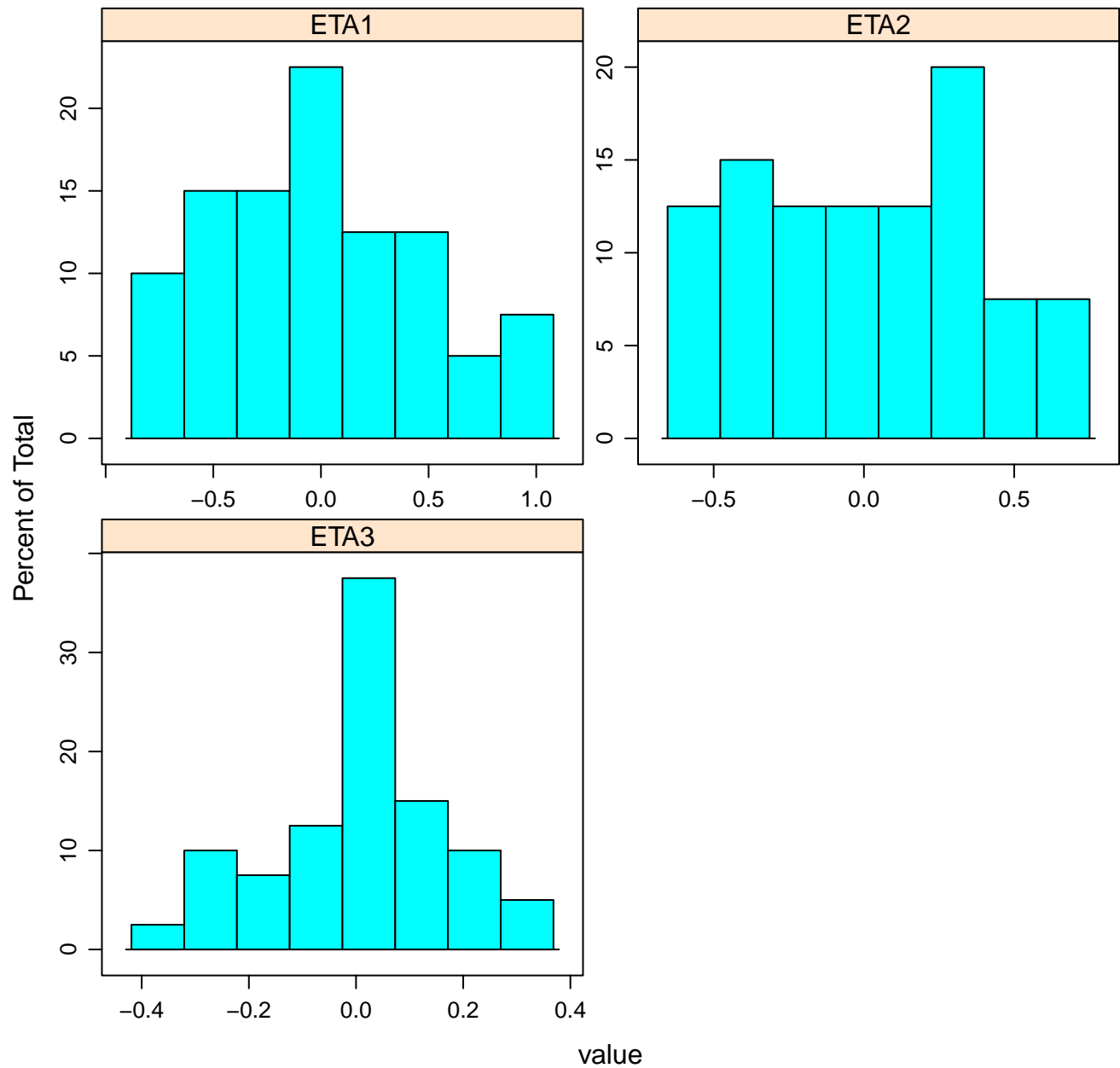
ETA Scatterplots



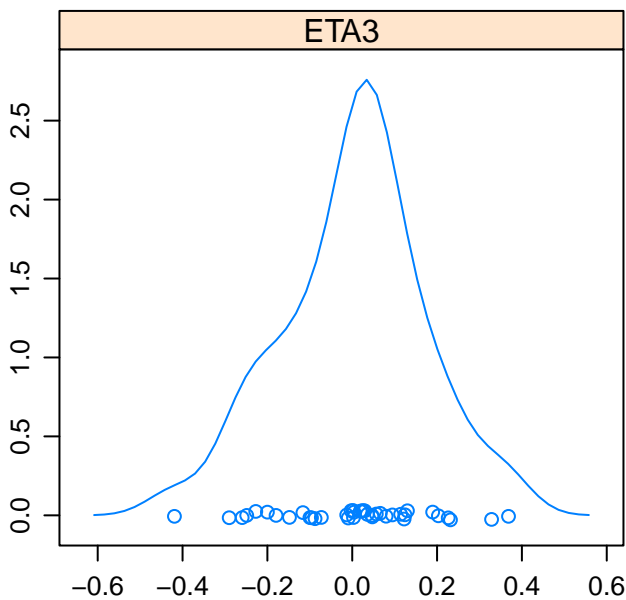
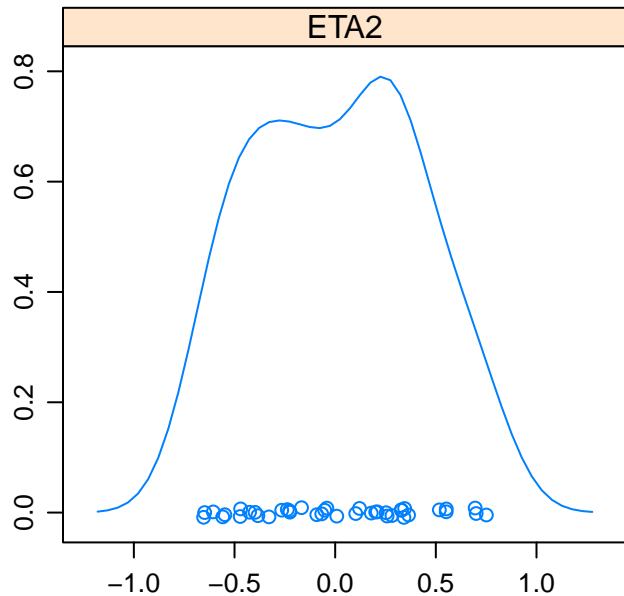
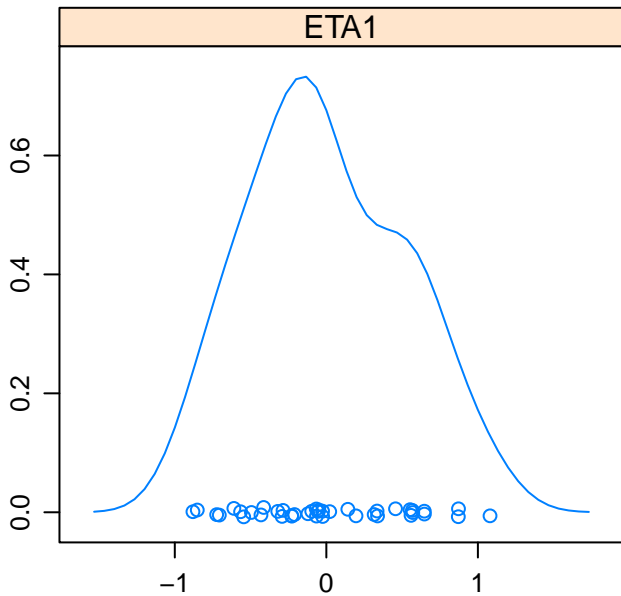
Parameter Scatterplots



Histograms of Etas

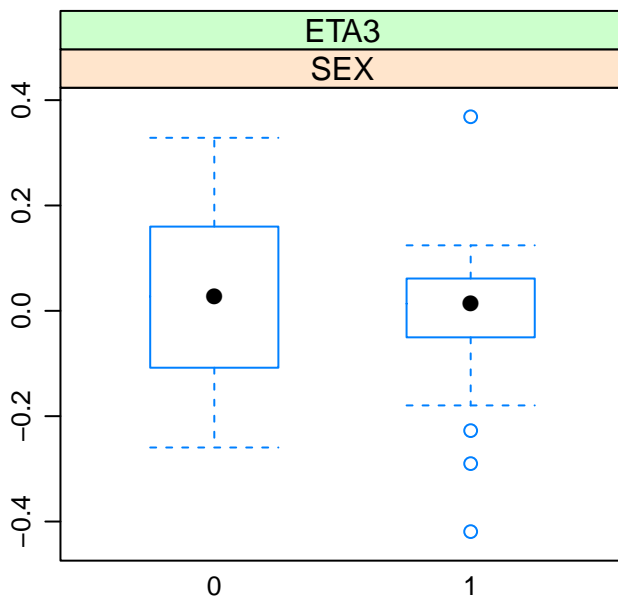
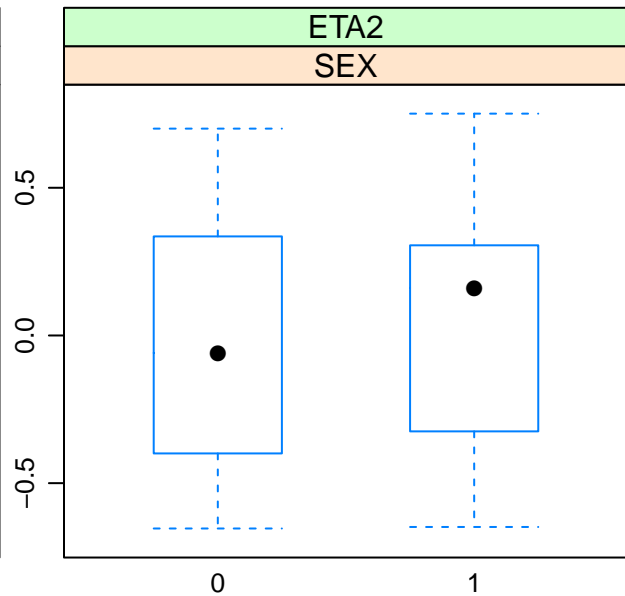
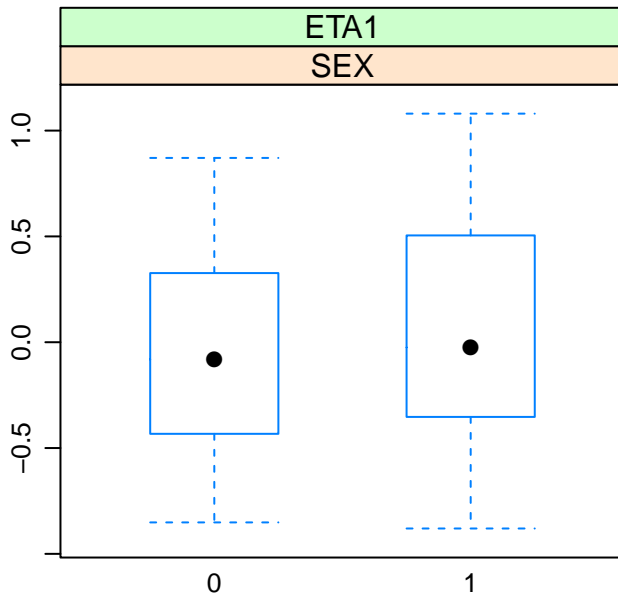


Density of Etas



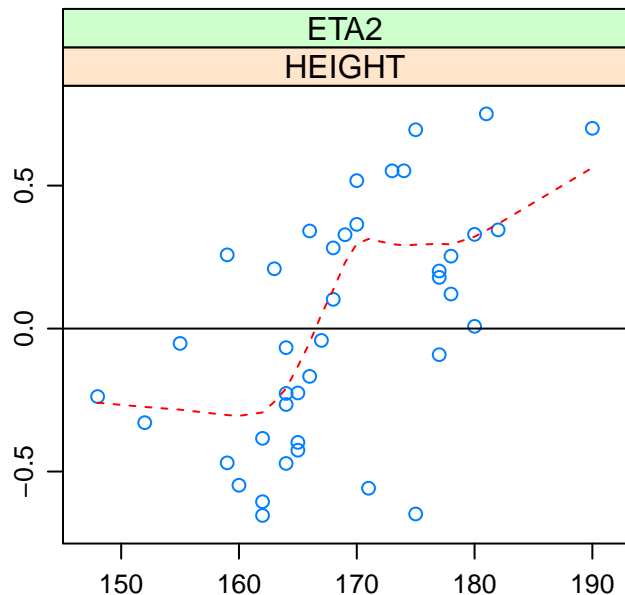
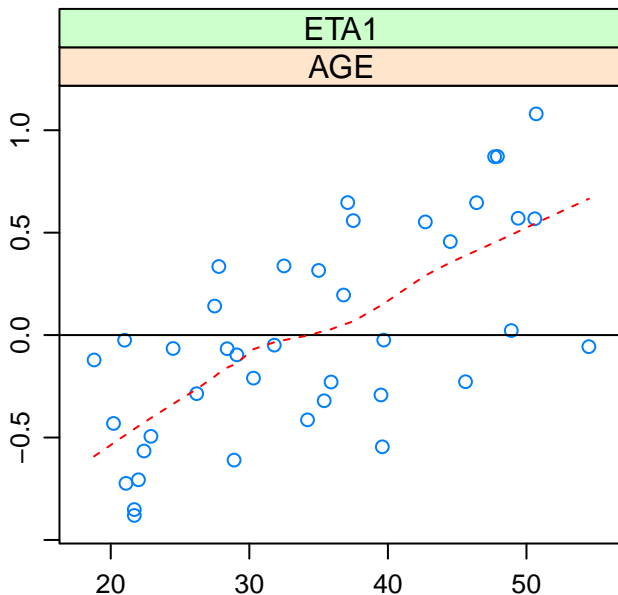
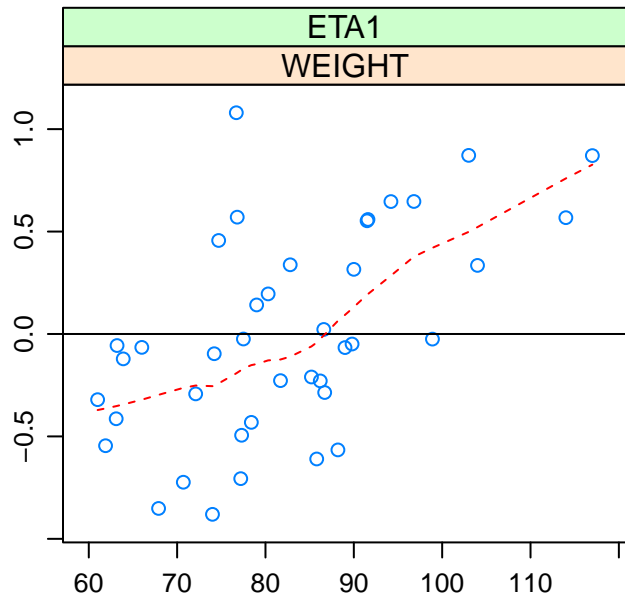
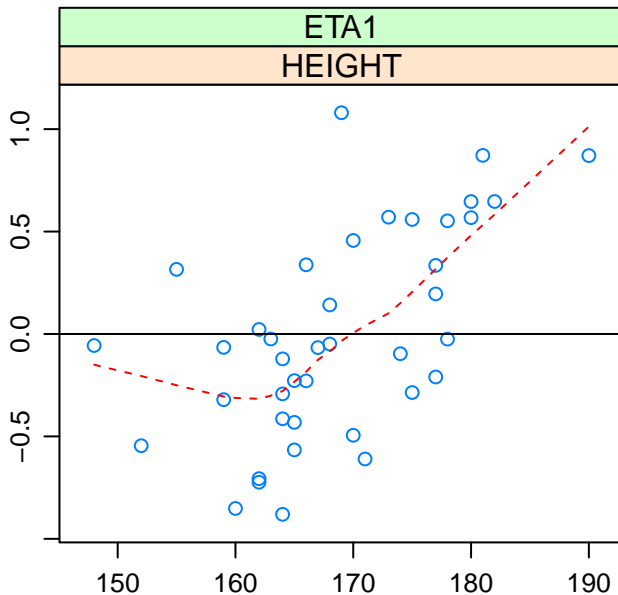
value

Boxplots of Etas by Categorical Covariate



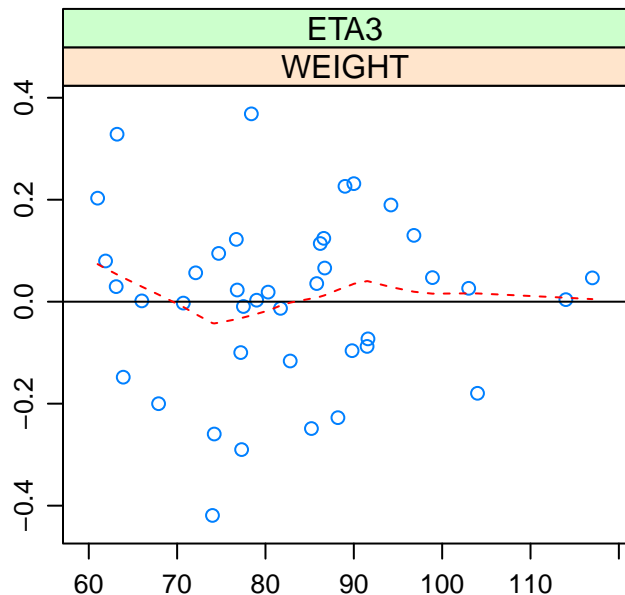
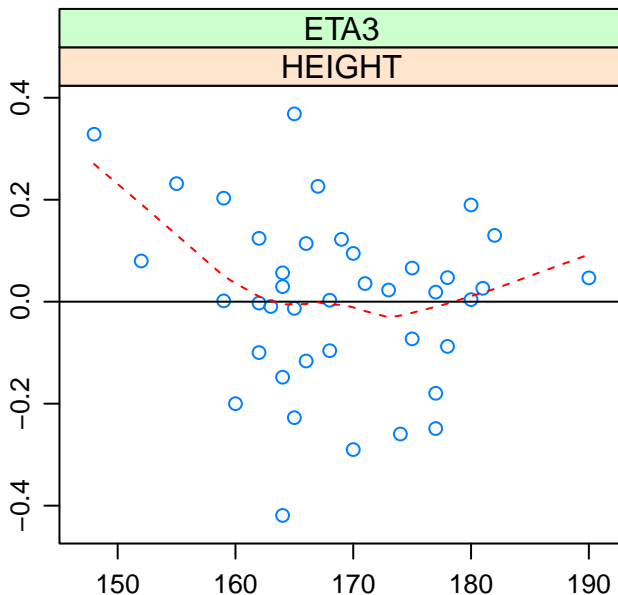
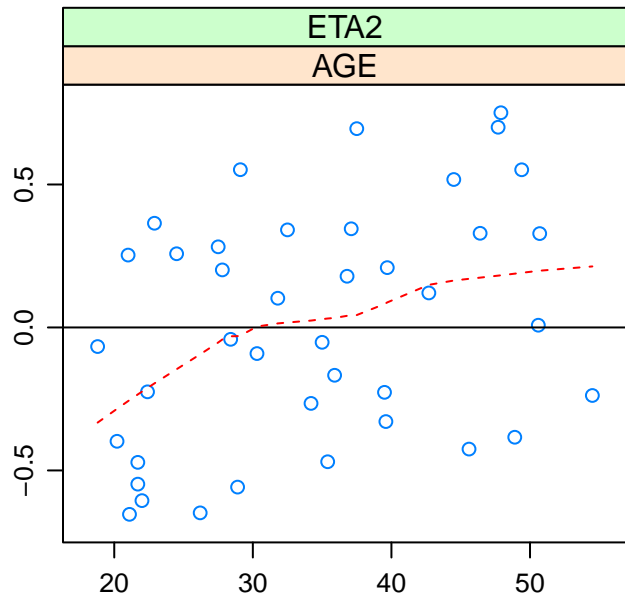
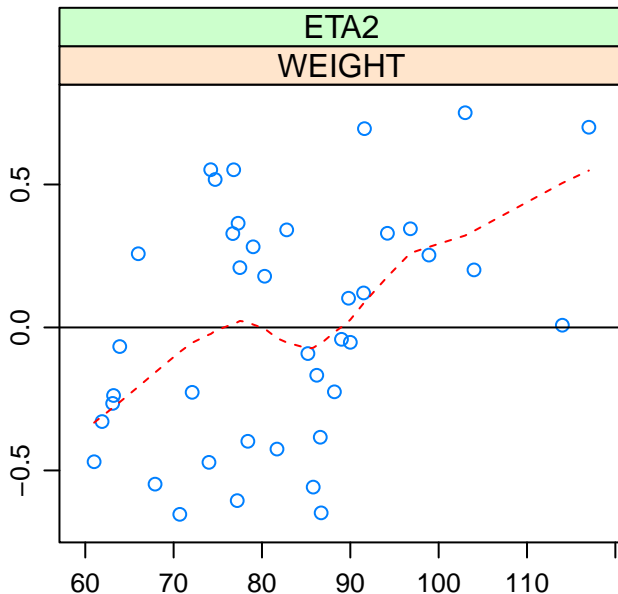
categorical covariate level

Etas vs. Continuous Covariates



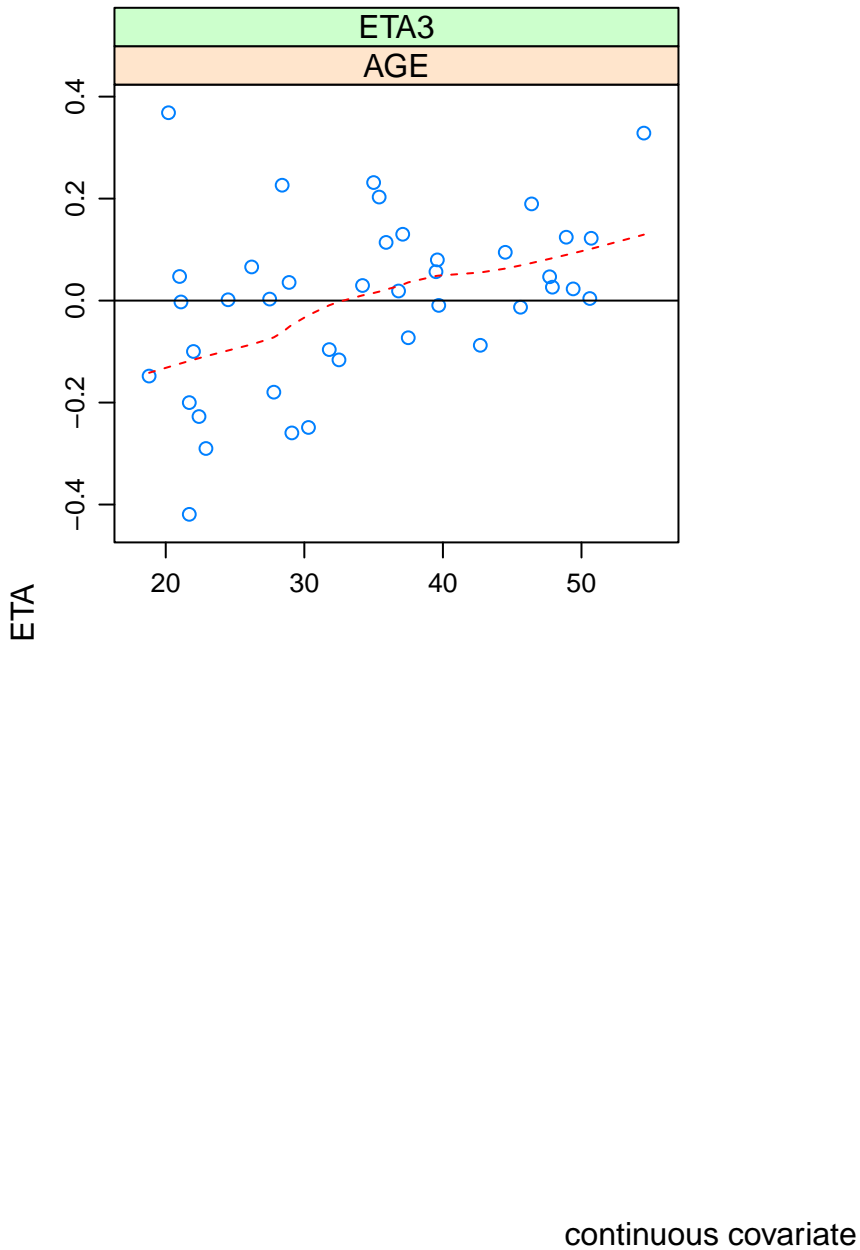
continuous covariate

Etas vs. Continuous Covariates

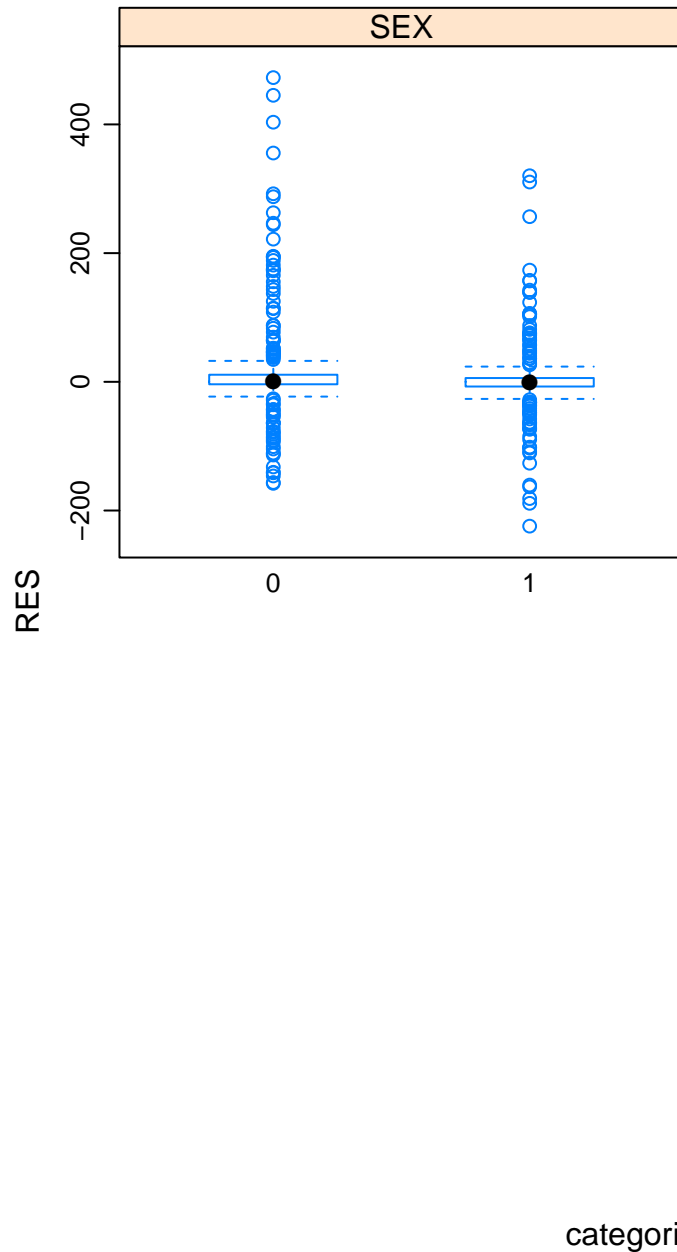


continuous covariate

Etas vs. Continuous Covariates

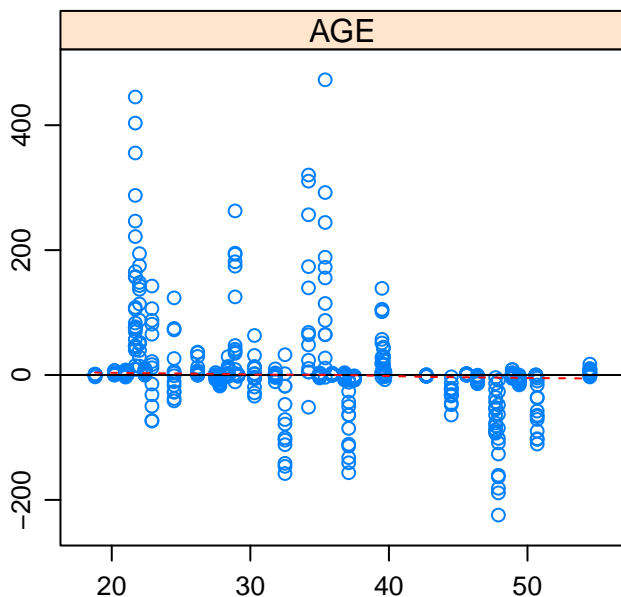
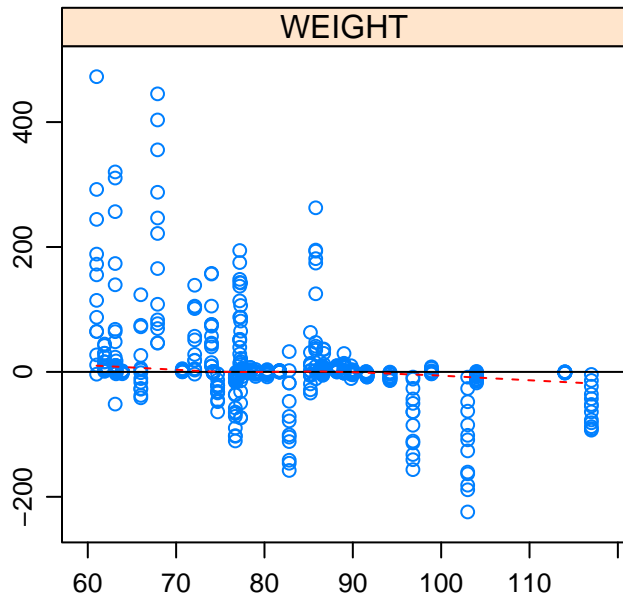
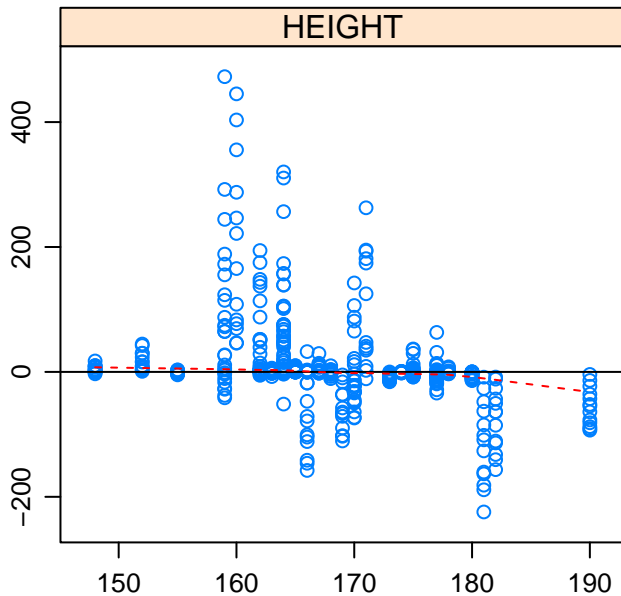


RES vs. Categorical Covariates



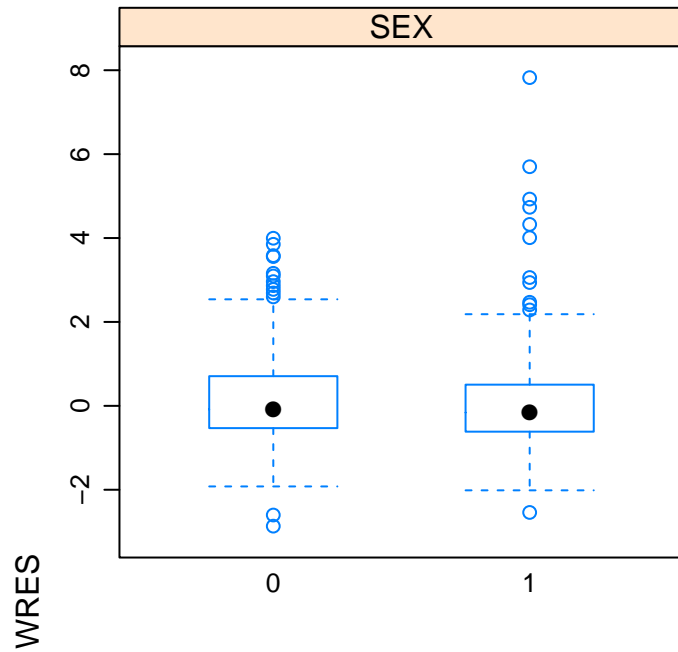
RES vs. Continuous Covariates

RES

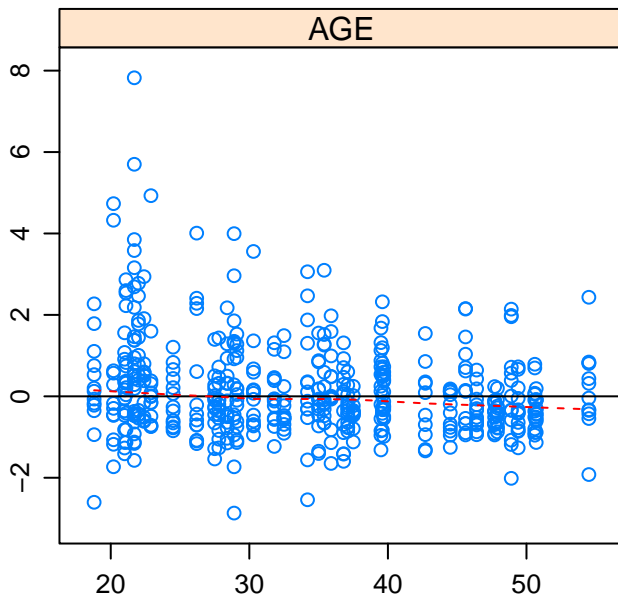
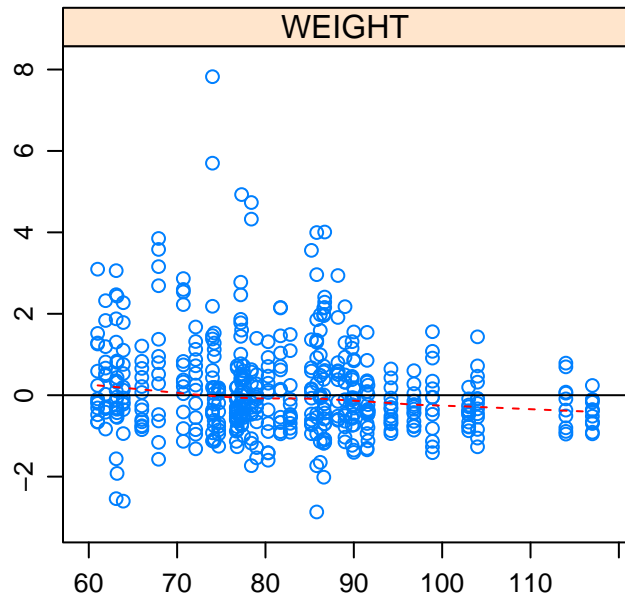
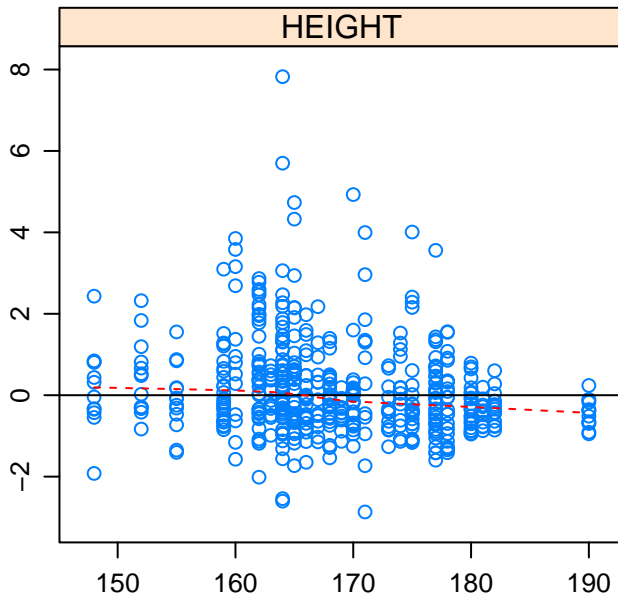


continuous covariate

WRES vs. Categorical Covariates

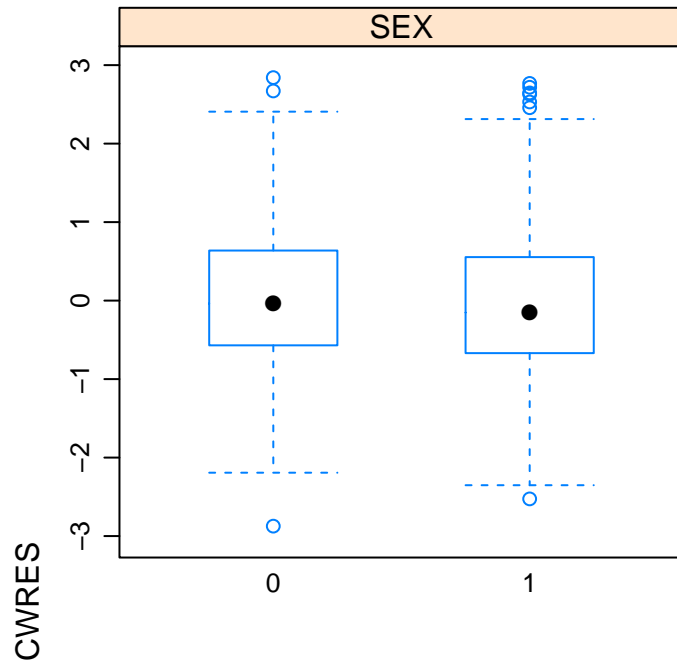


WRES vs. Continuous Covariates



continuous covariate

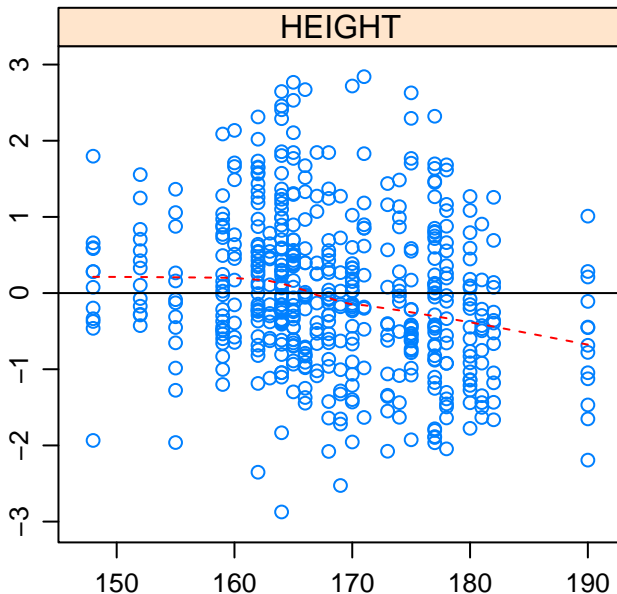
CWRES vs. Categorical Covariates



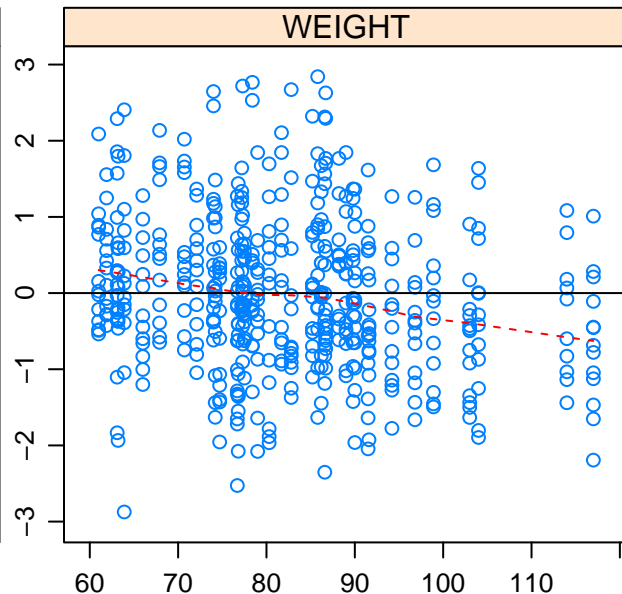
CWRES vs. Continuous Covariates

CWRES

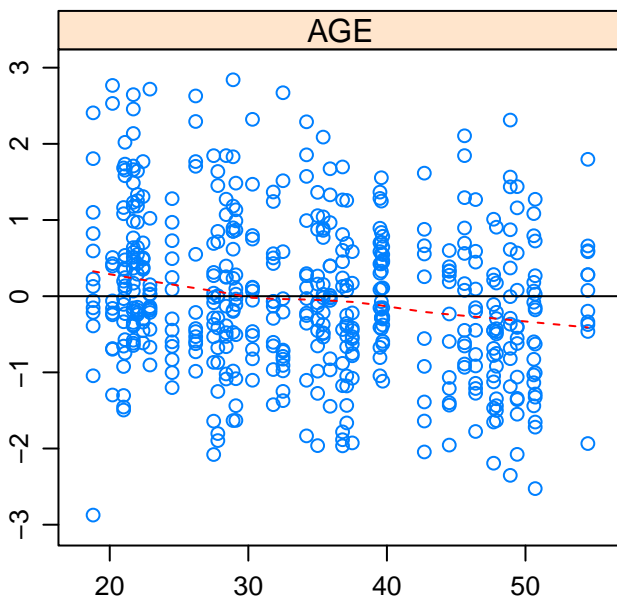
HEIGHT



WEIGHT

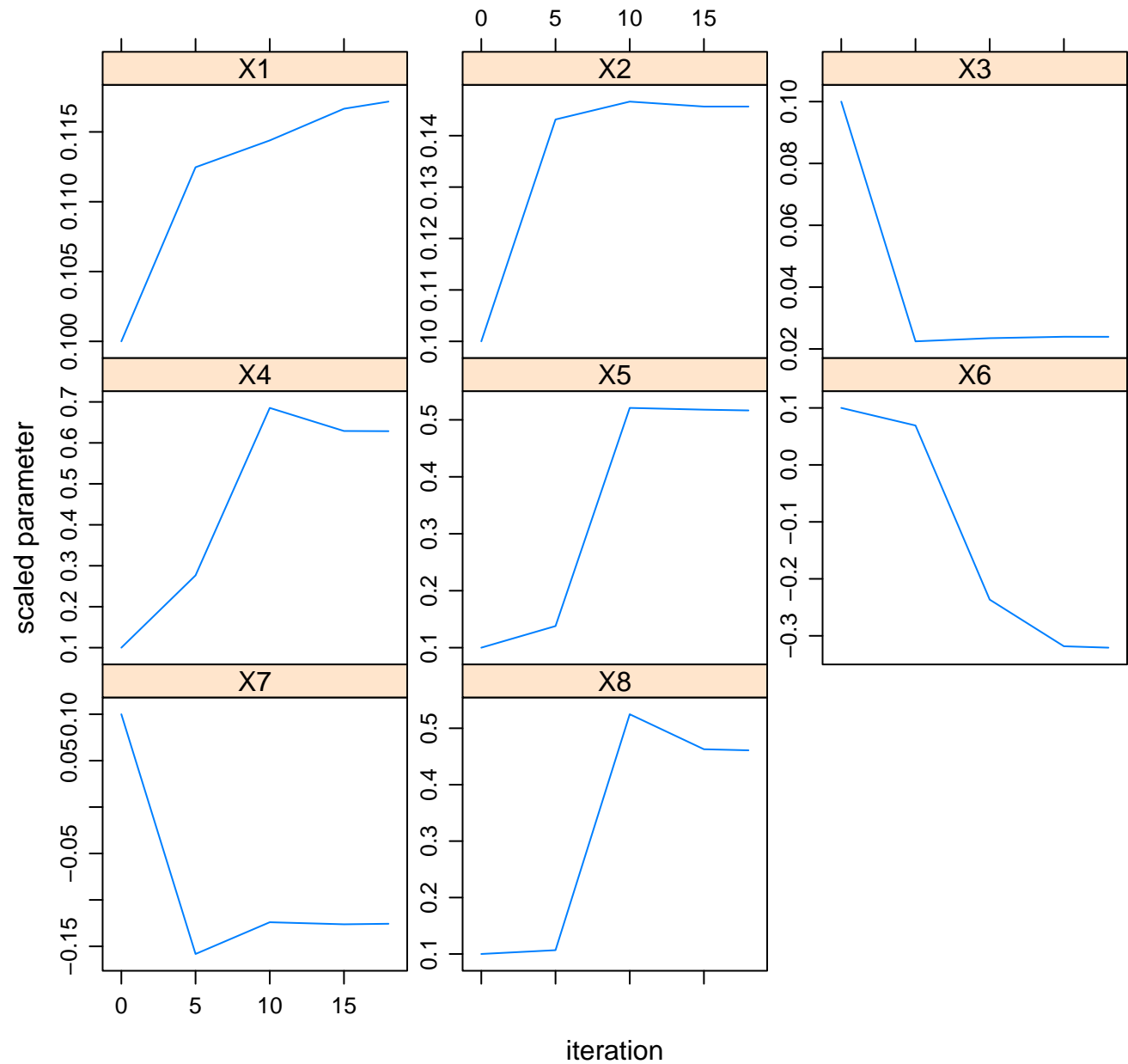


AGE



continuous covariate

Model 1001 parameter search



Model 1001 gradient search

