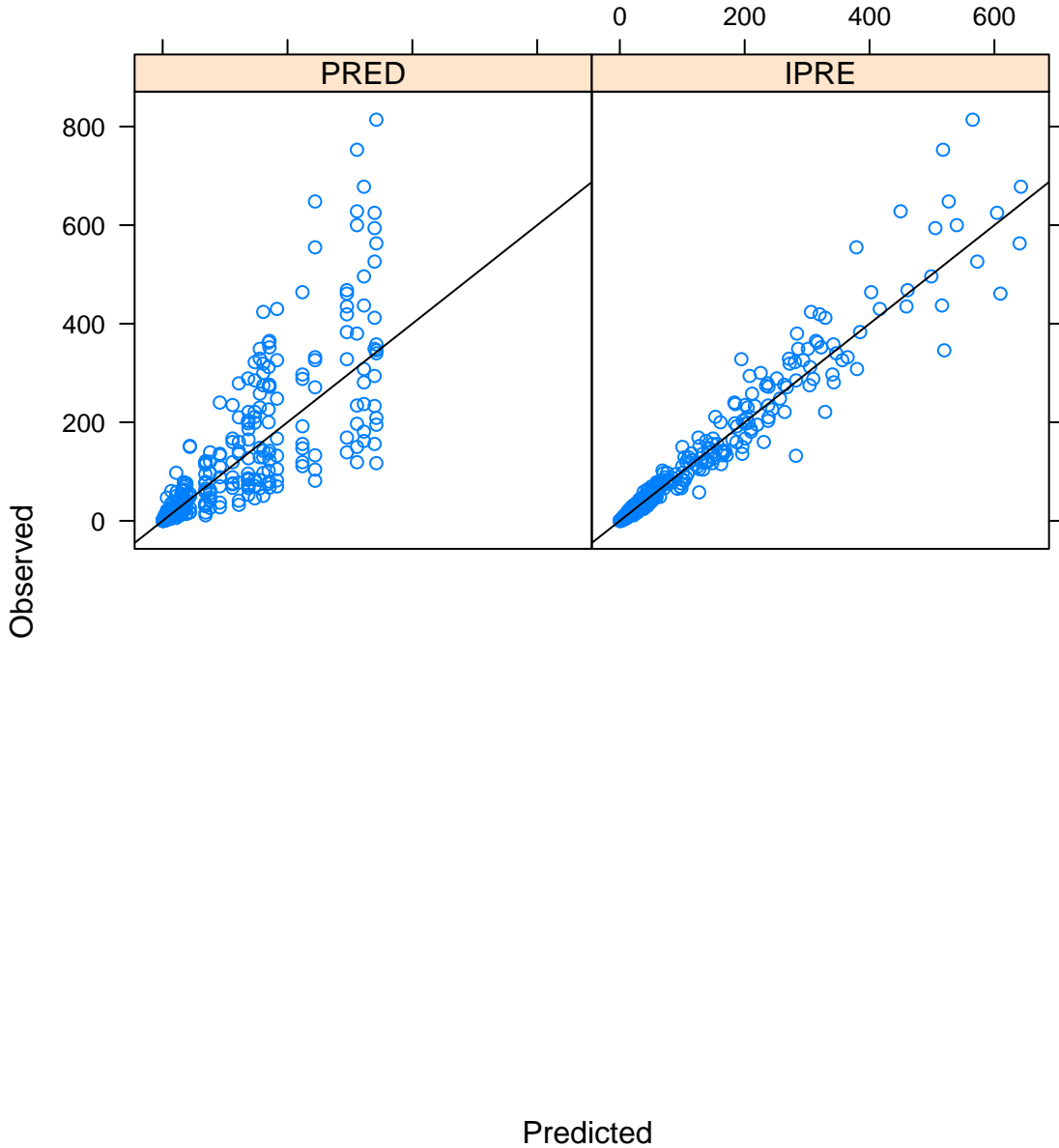
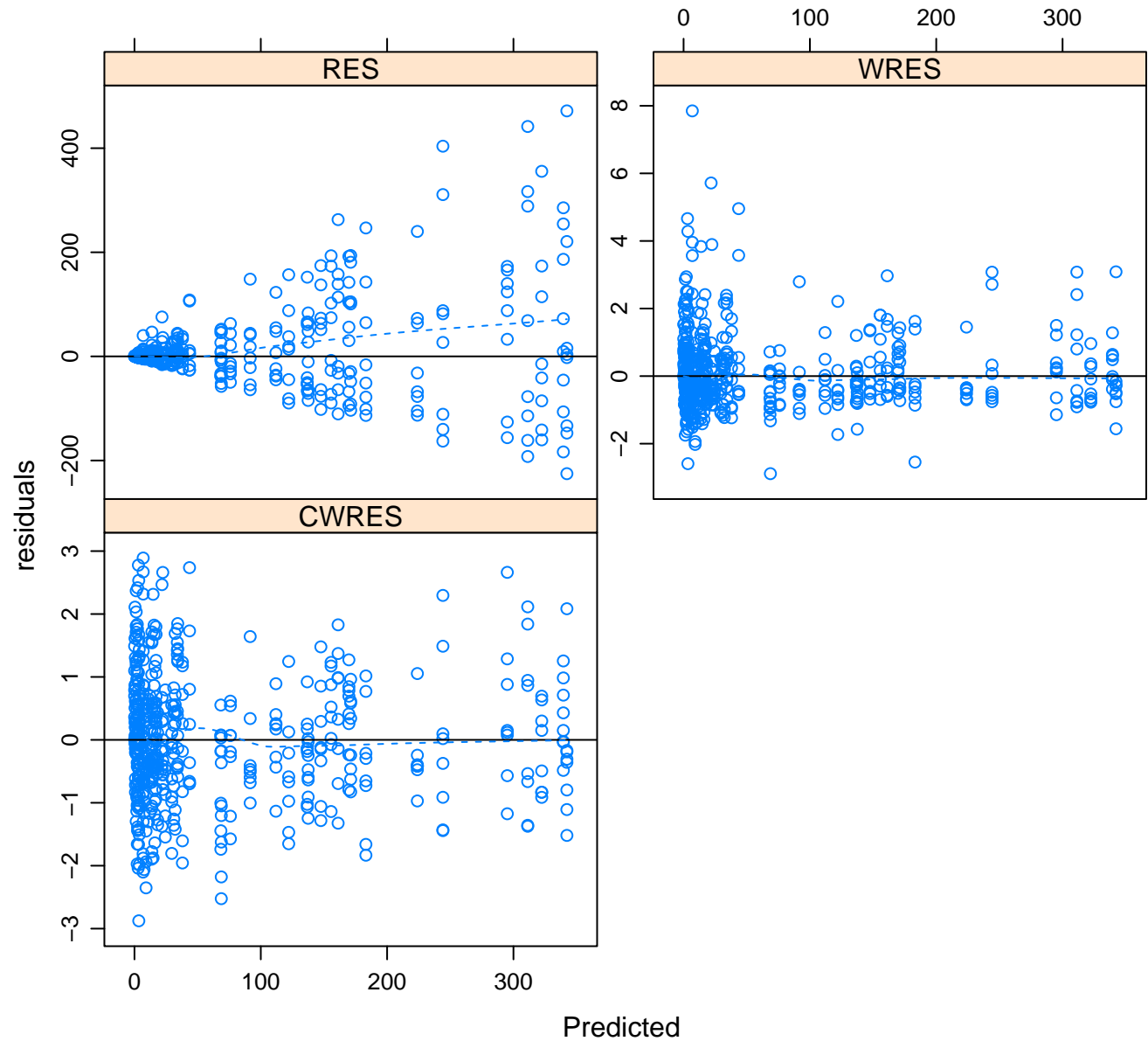


Model 1002
Observed vs. Predicted for all data



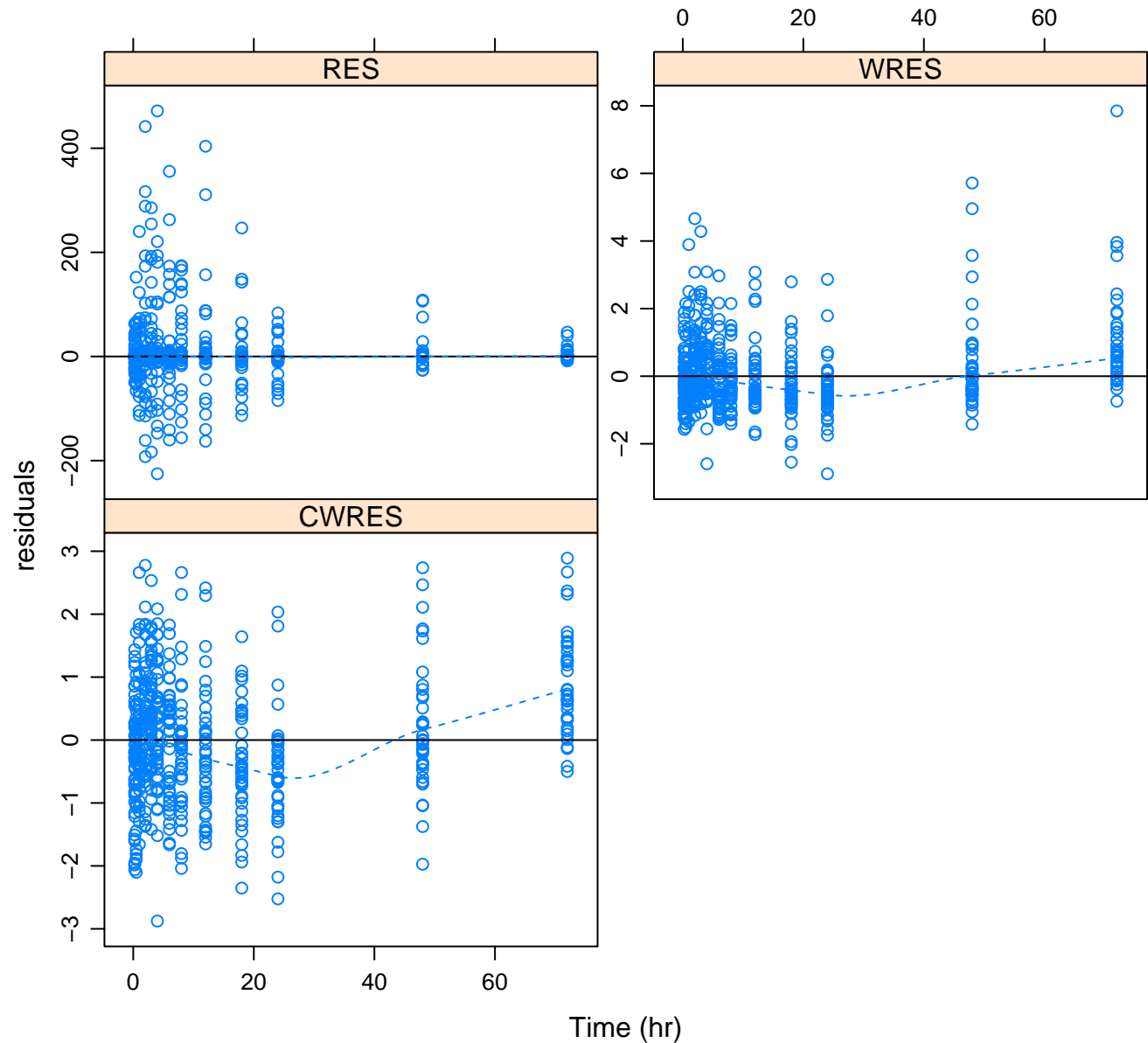
Model 1002

Residuals vs. Predicted for all data



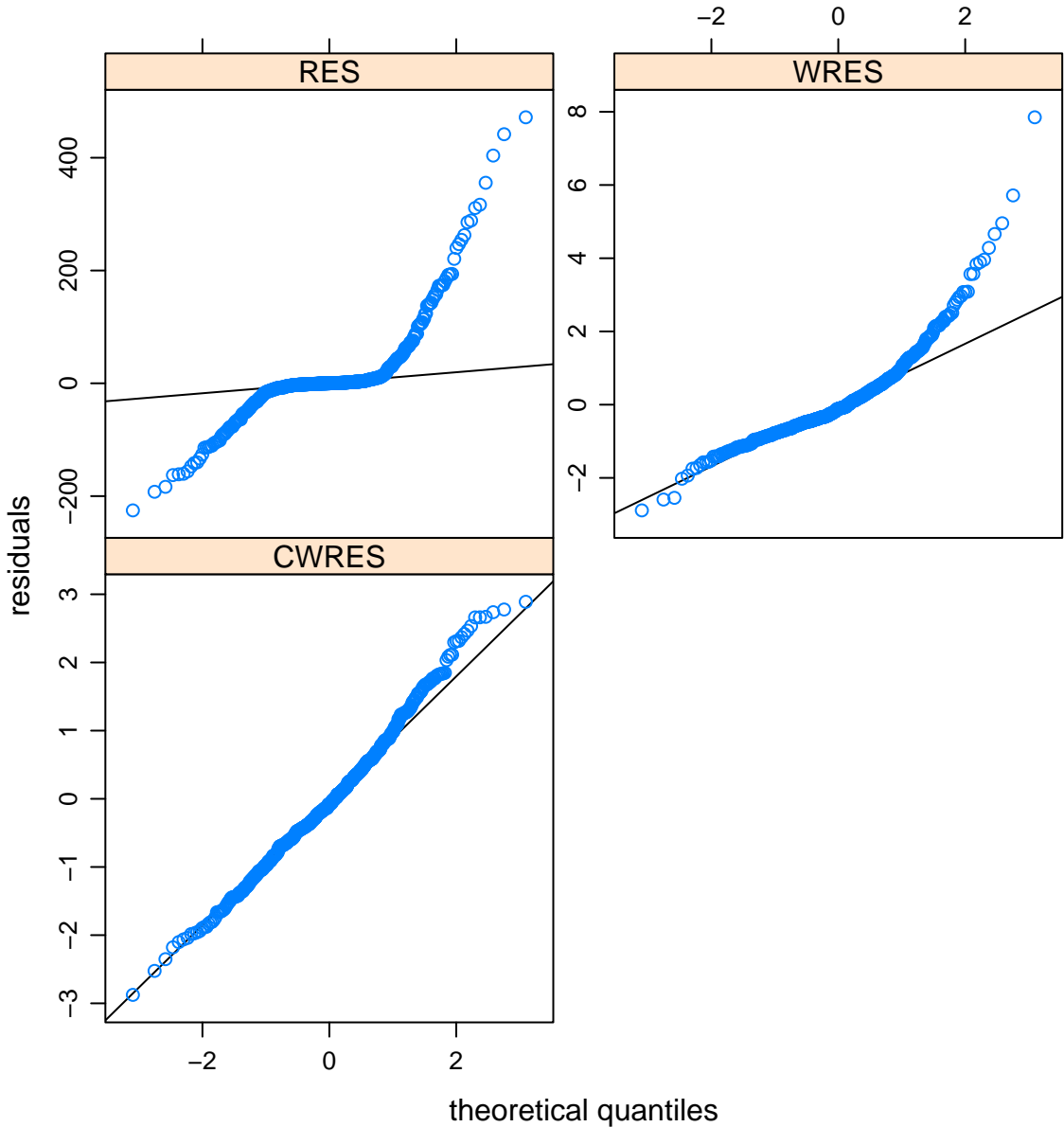
Model 1002

Residuals vs. Time for all data



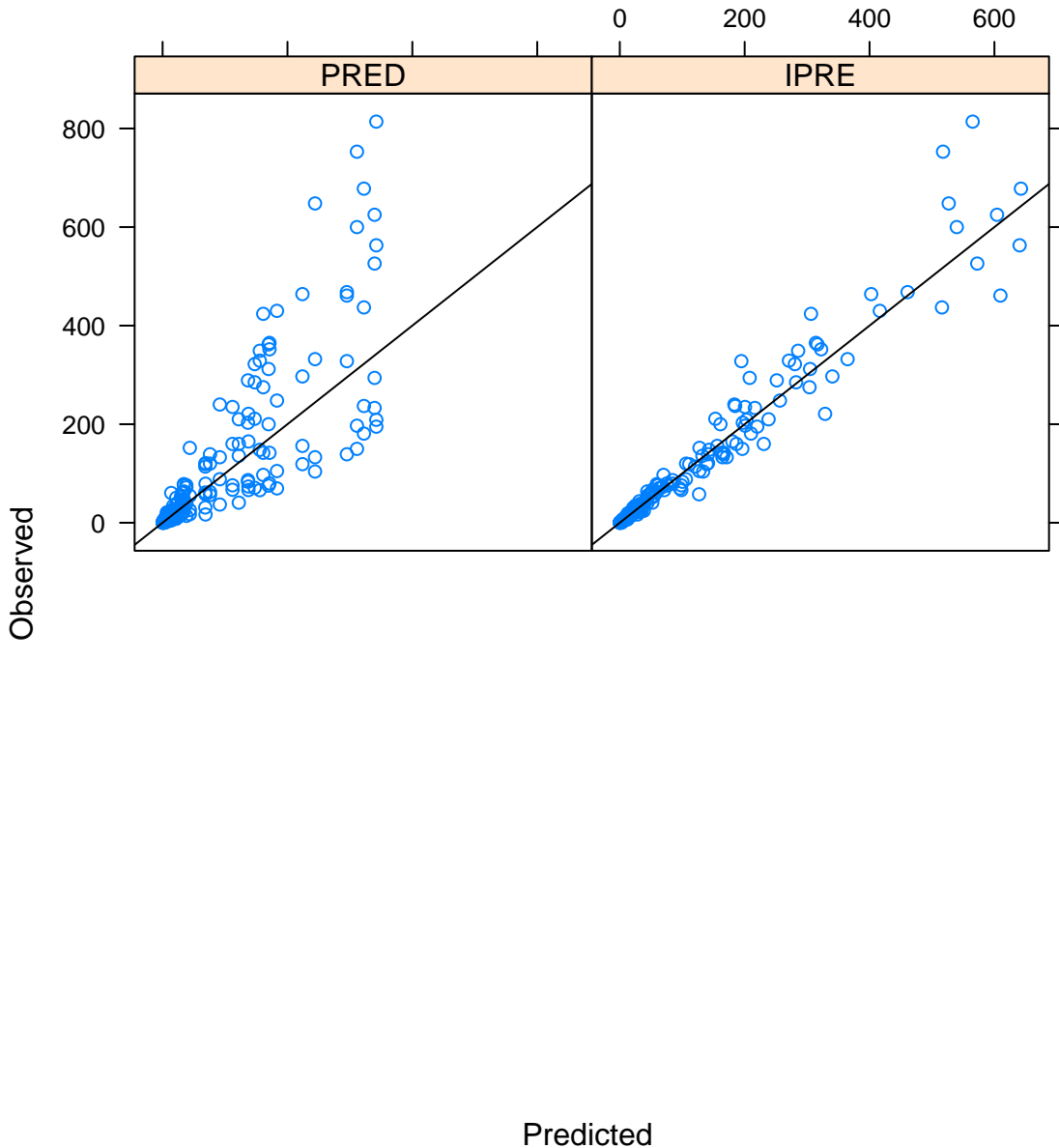
Model 1002

Normal Q-Q Plot Residuals for all data



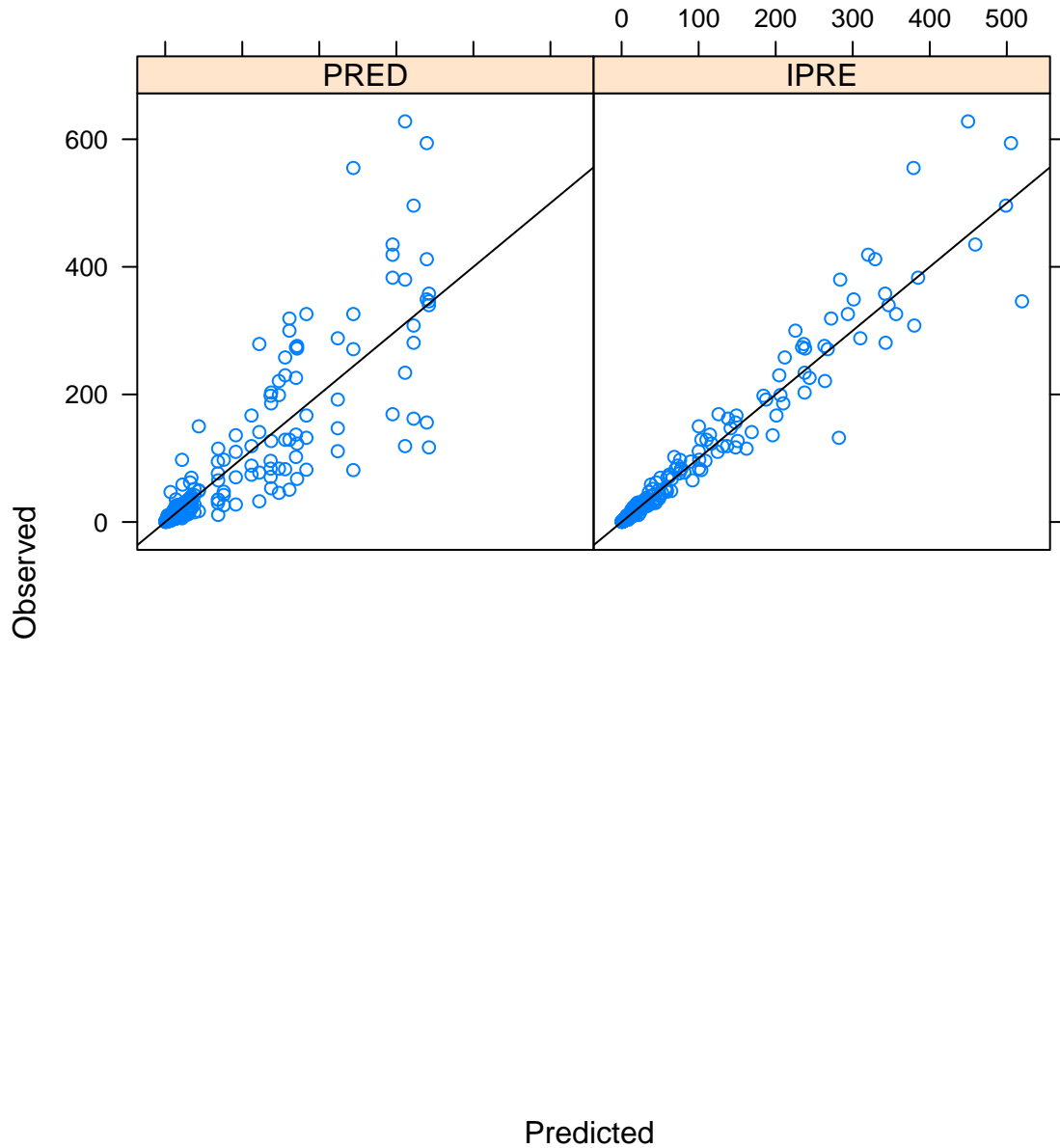
Model 1002

Observed vs. Predicted for female data



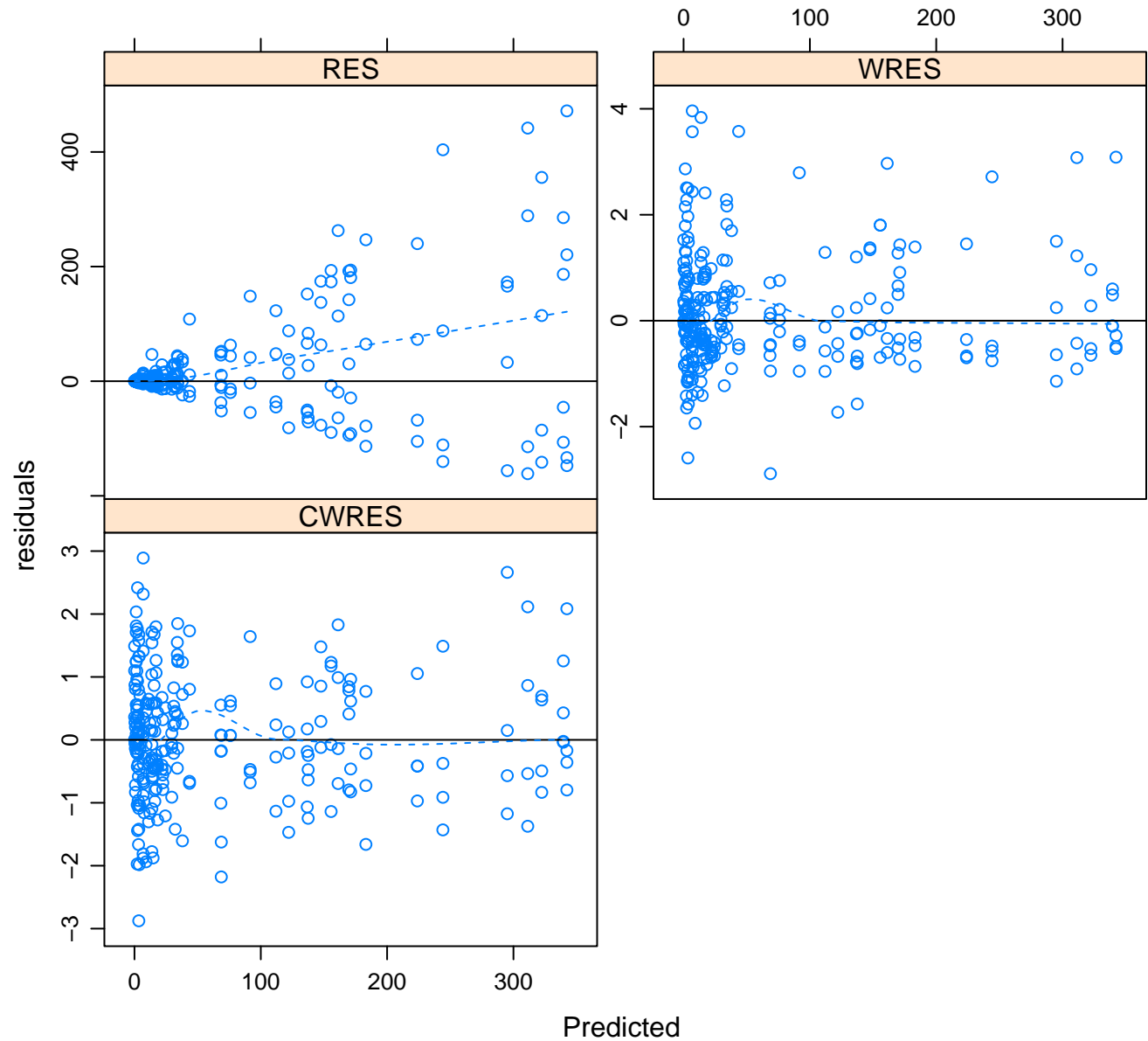
Model 1002

Observed vs. Predicted for male data



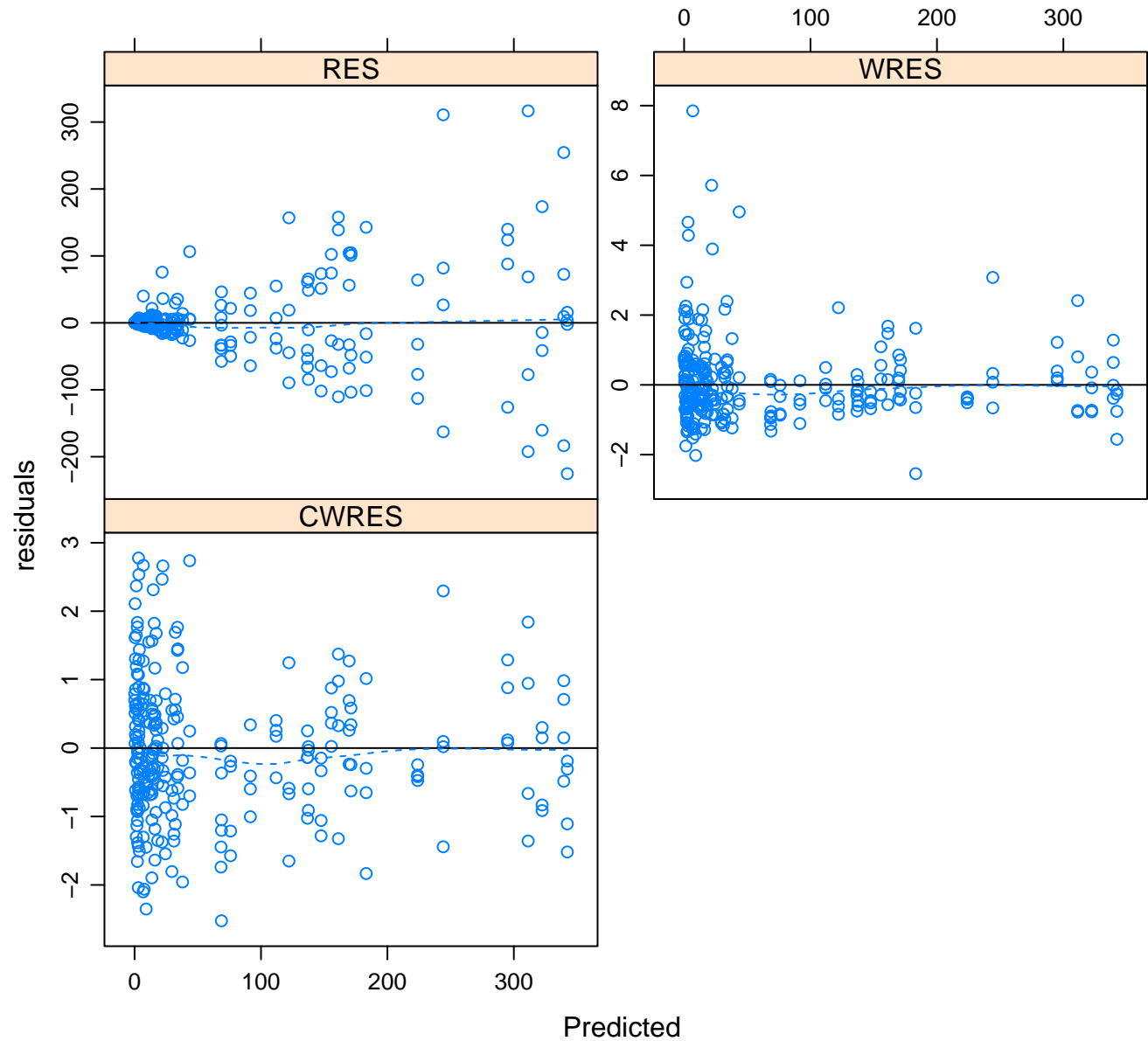
Model 1002

Residuals vs. Predicted for female data



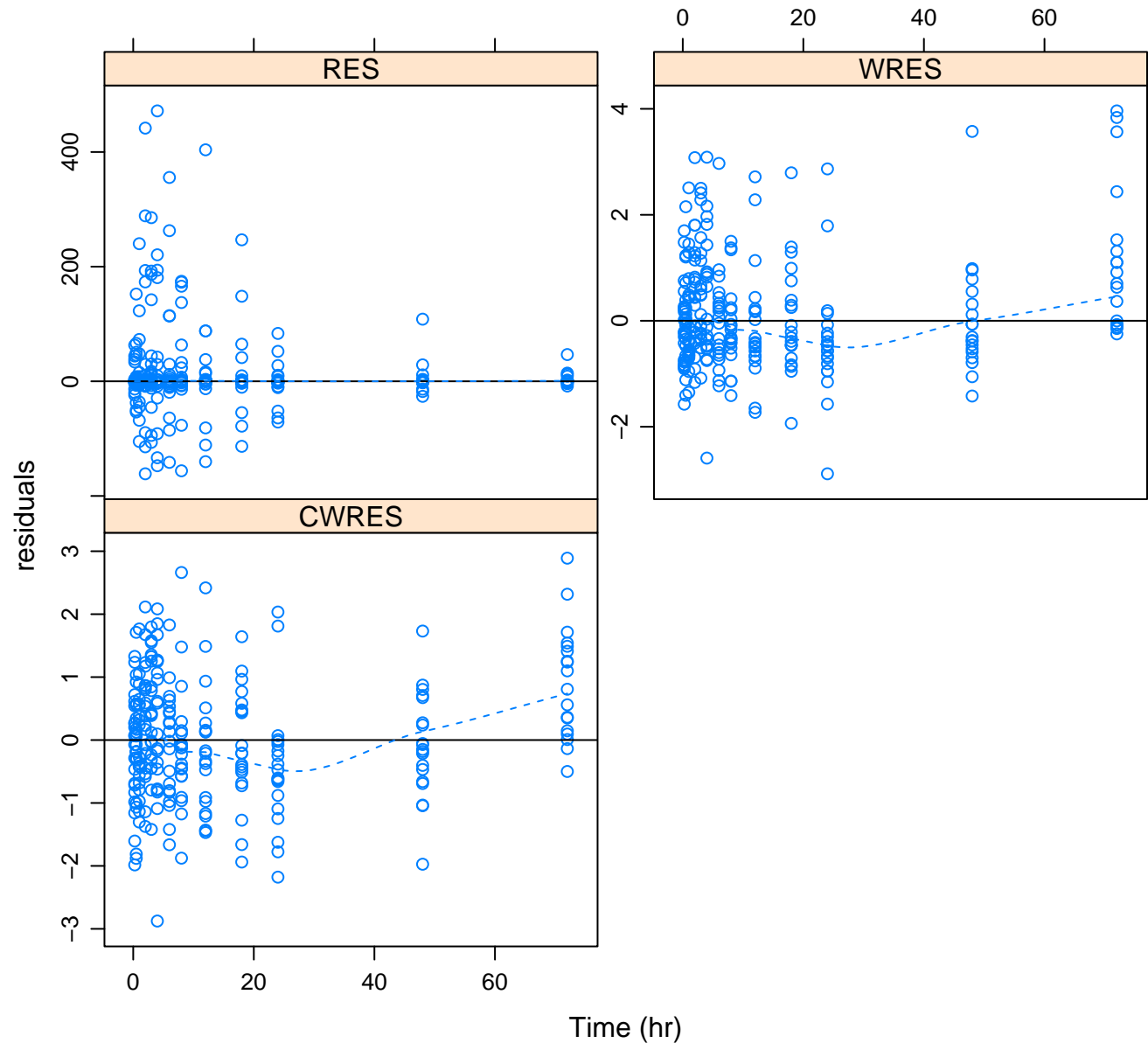
Model 1002

Residuals vs. Predicted for male data



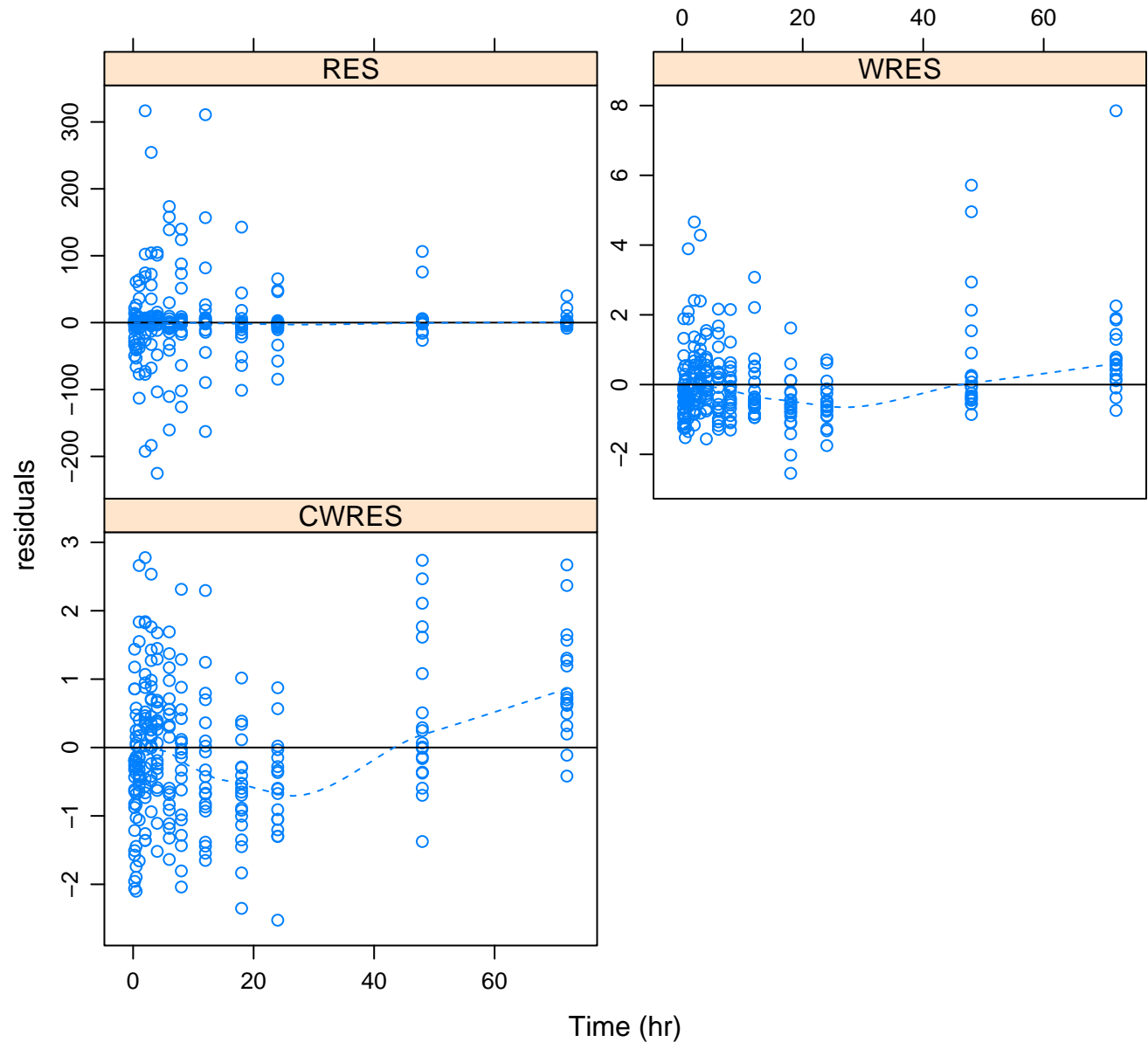
Model 1002

Residuals vs. Time for female data



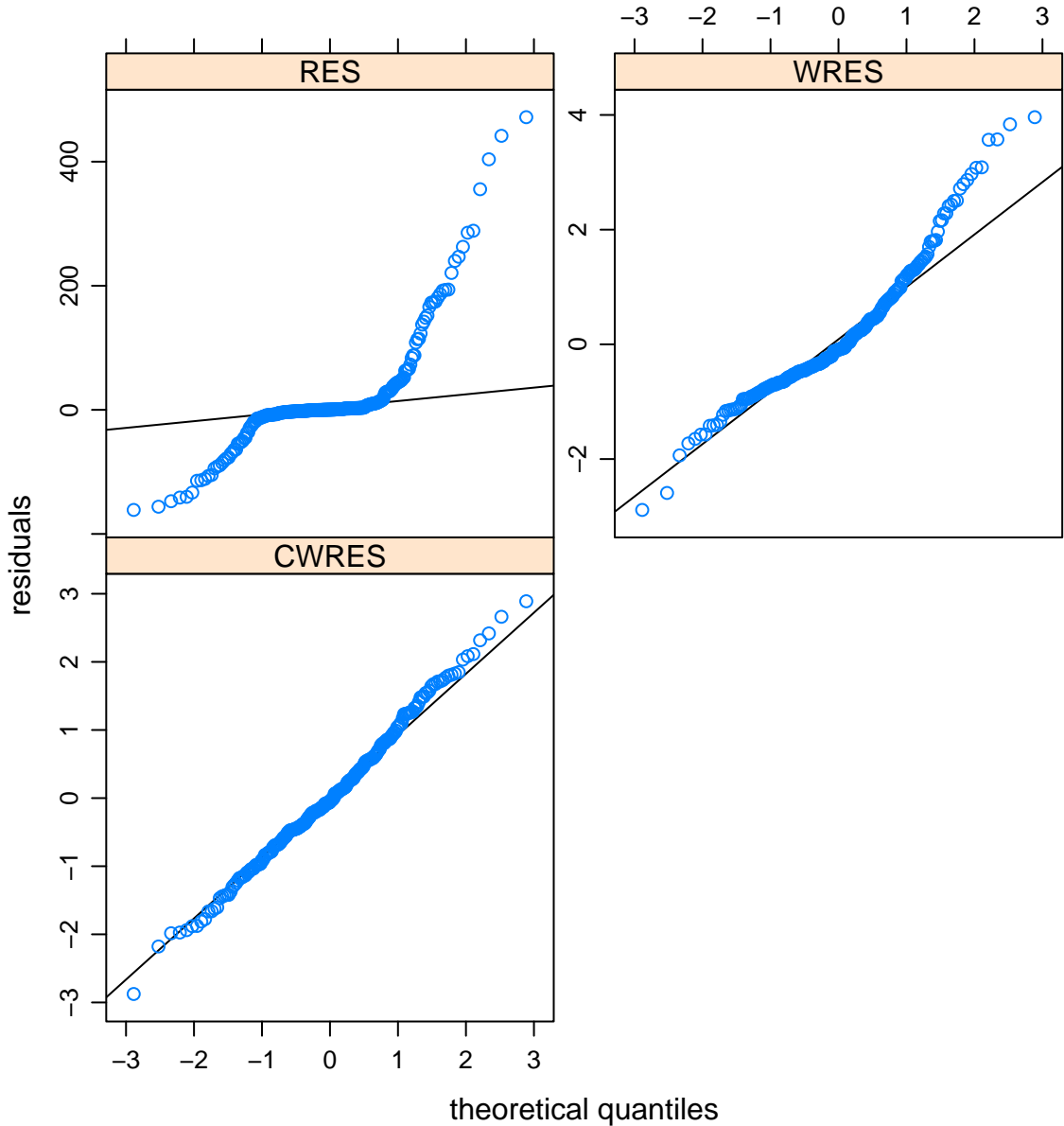
Model 1002

Residuals vs. Time for male data



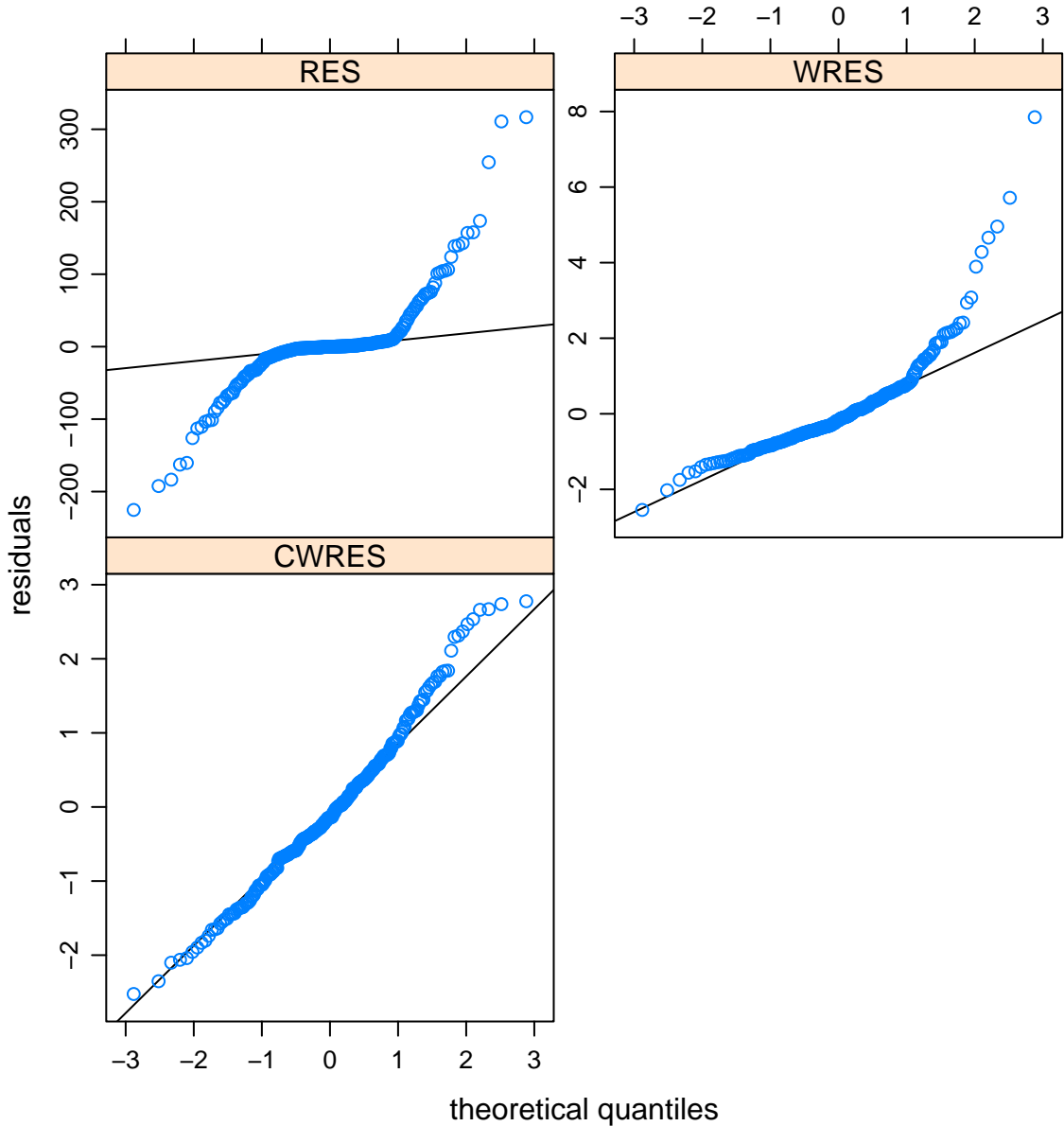
Model 1002

Normal Q-Q Plot Residuals for female data

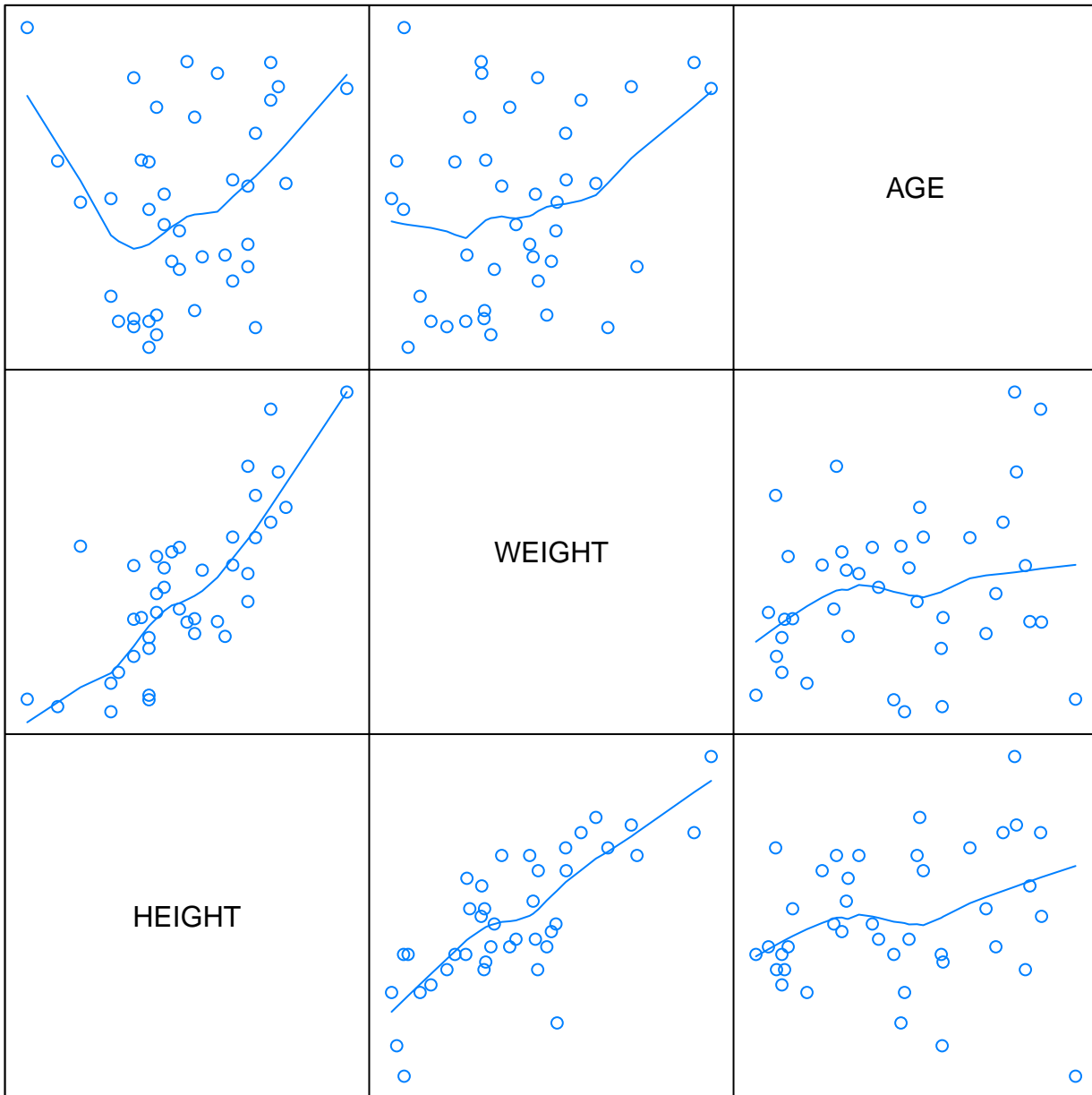


Model 1002

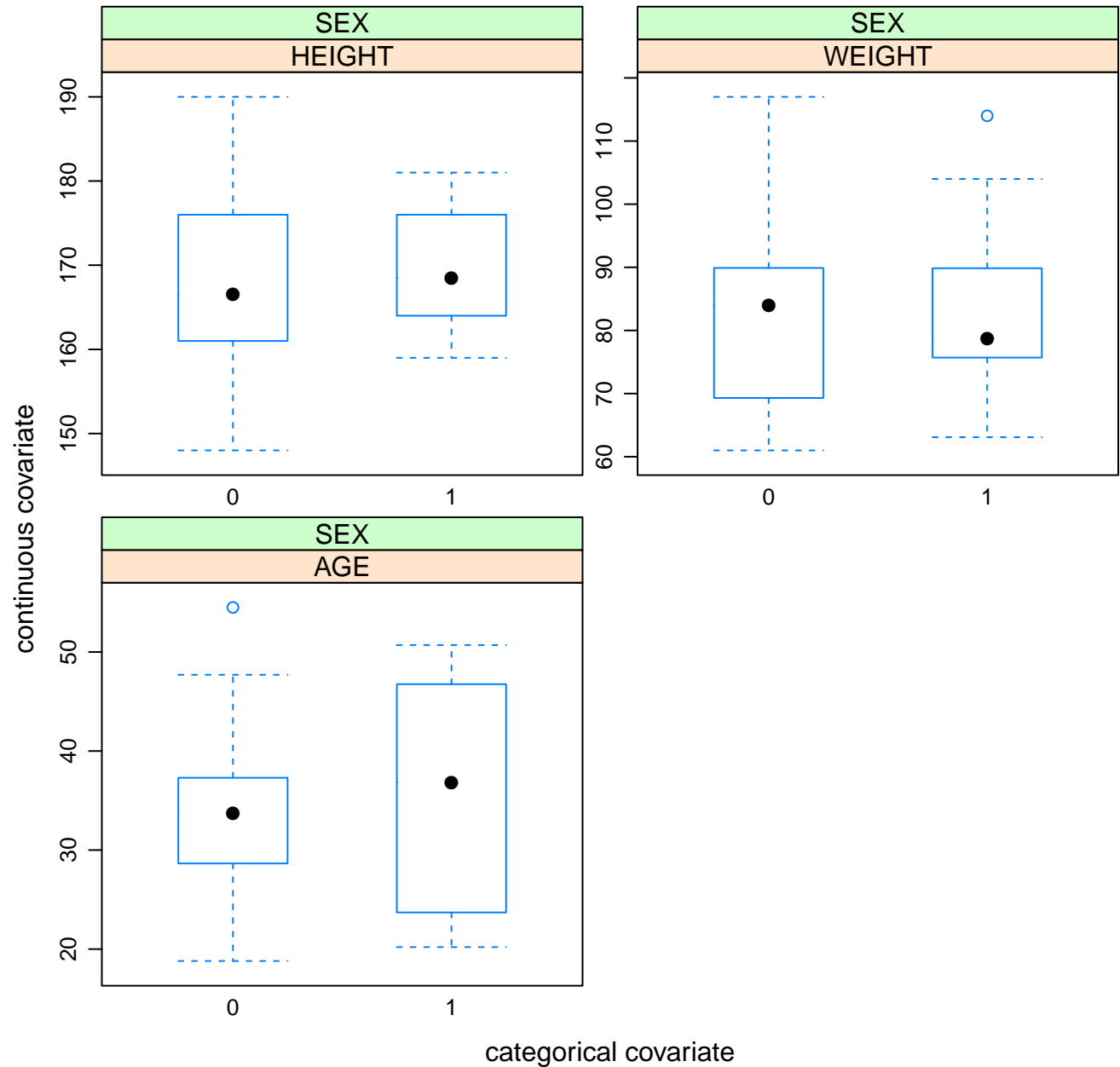
Normal Q-Q Plot Residuals for male data



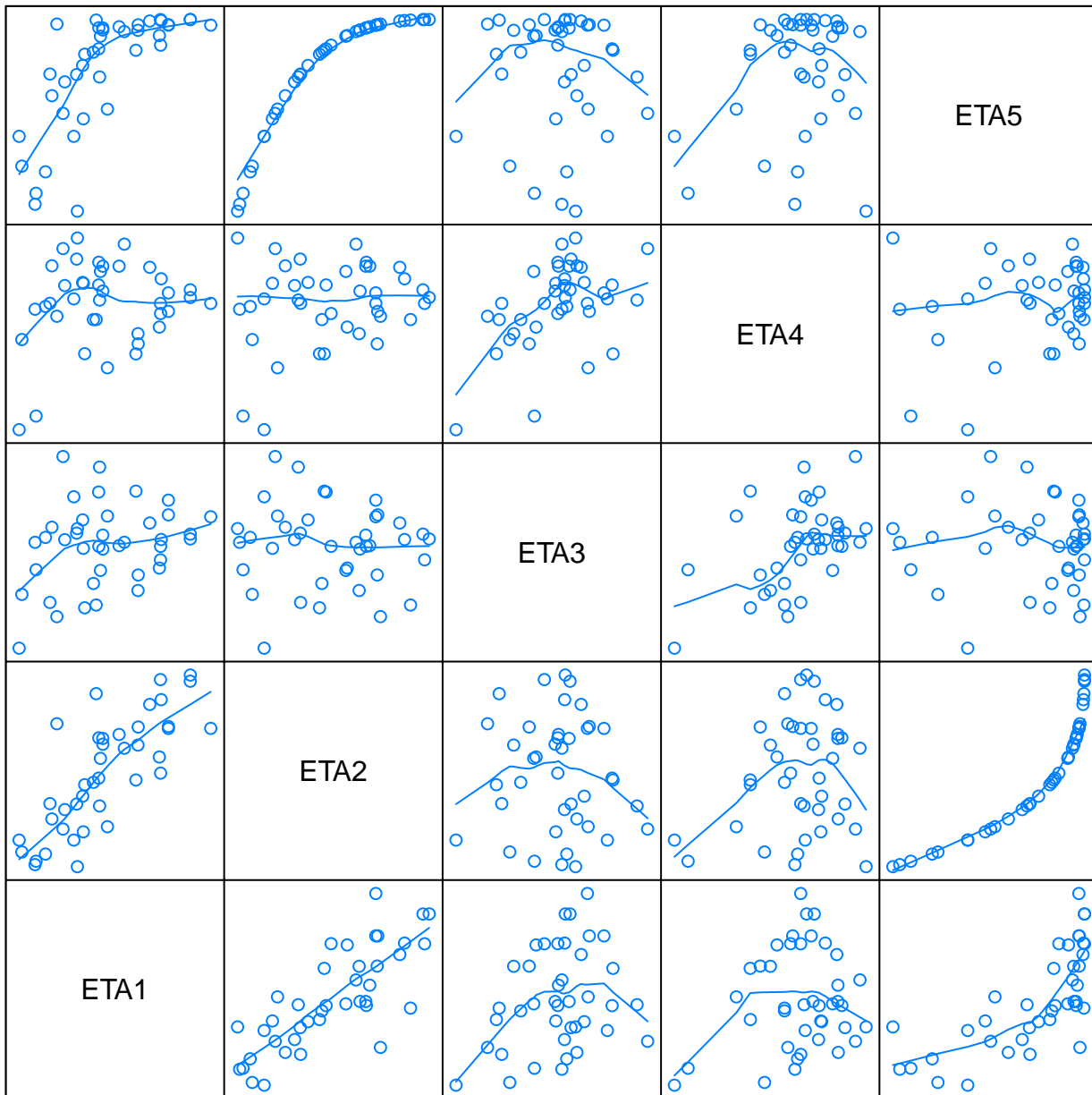
Covariate Scatterplots



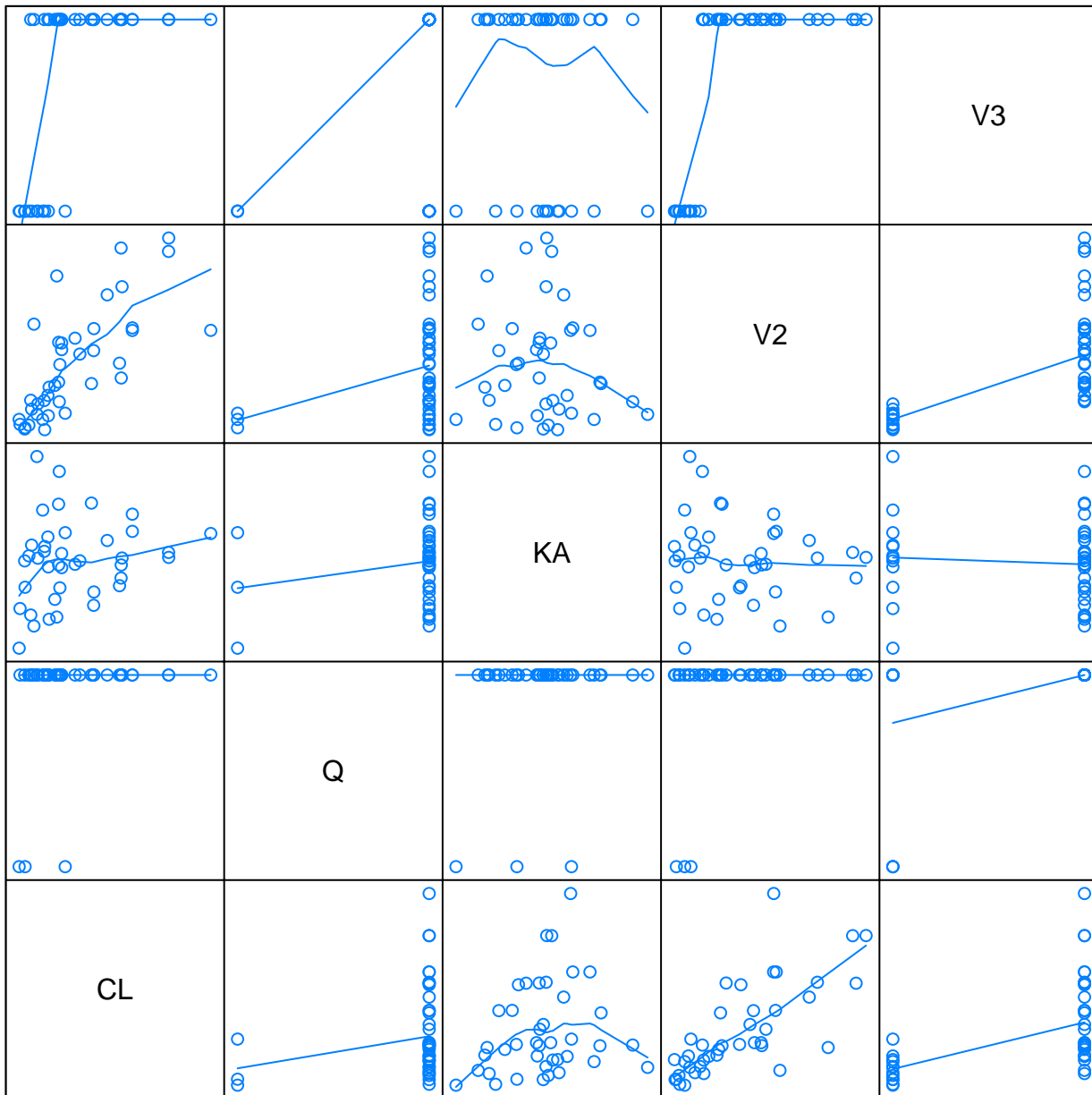
Continuous Covariates vs. Categorical Covariates



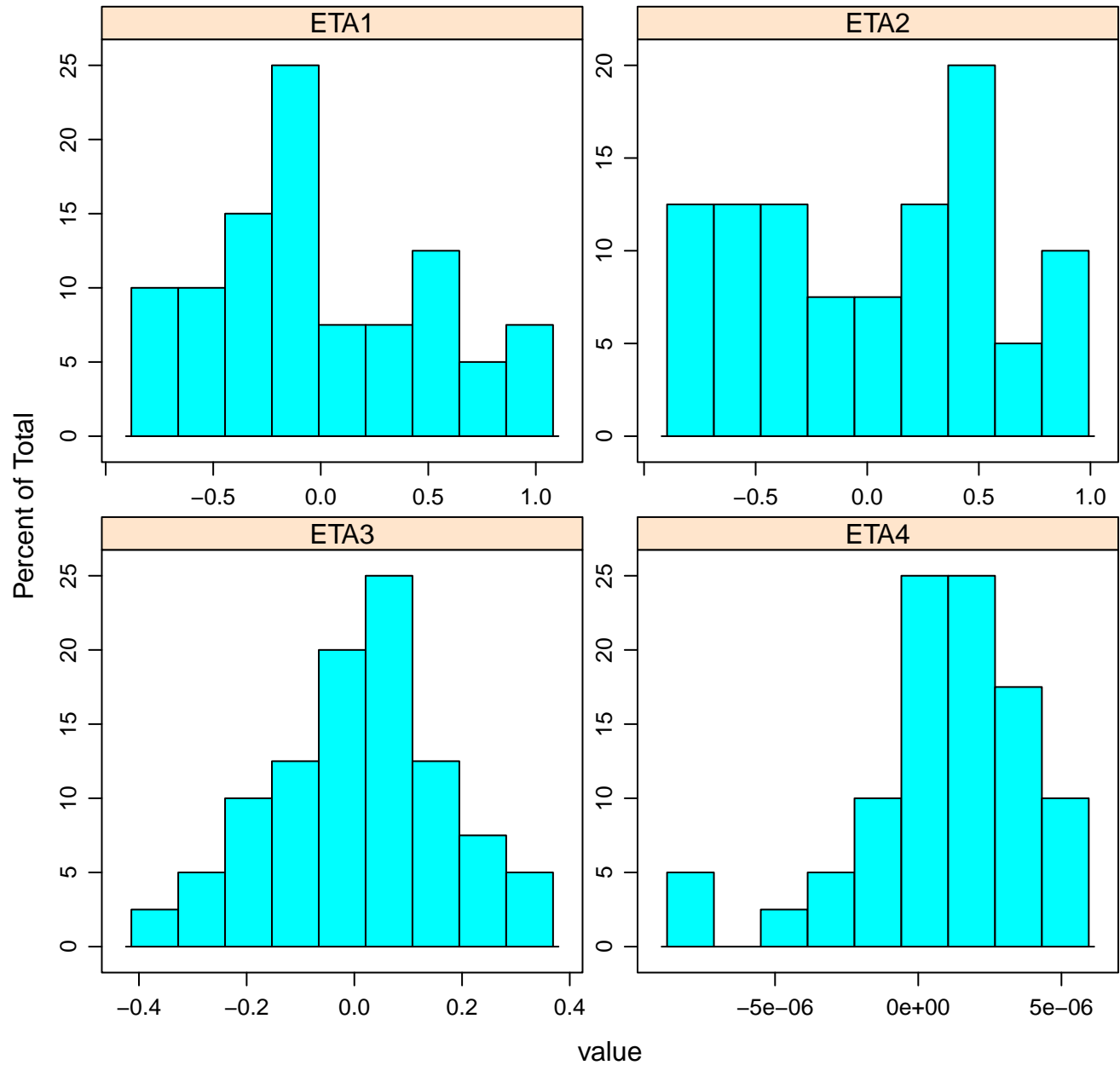
ETA Scatterplots



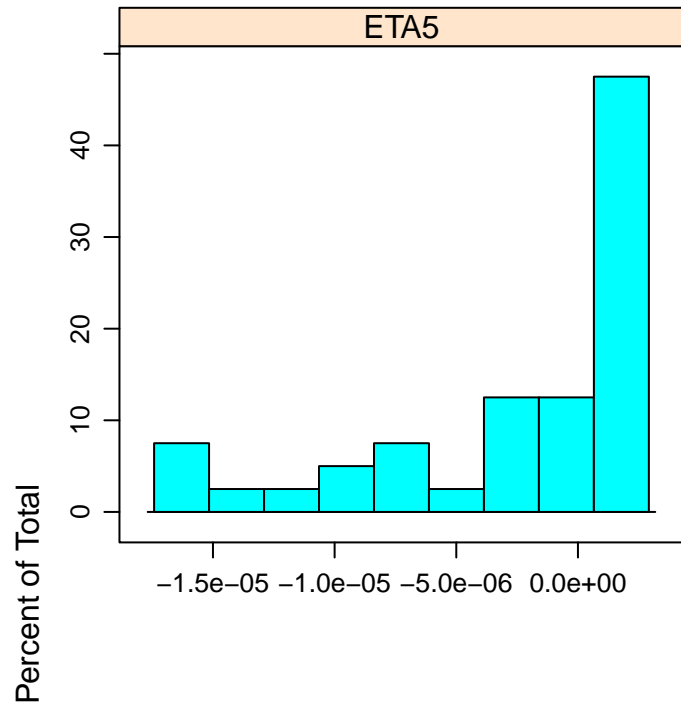
Parameter Scatterplots



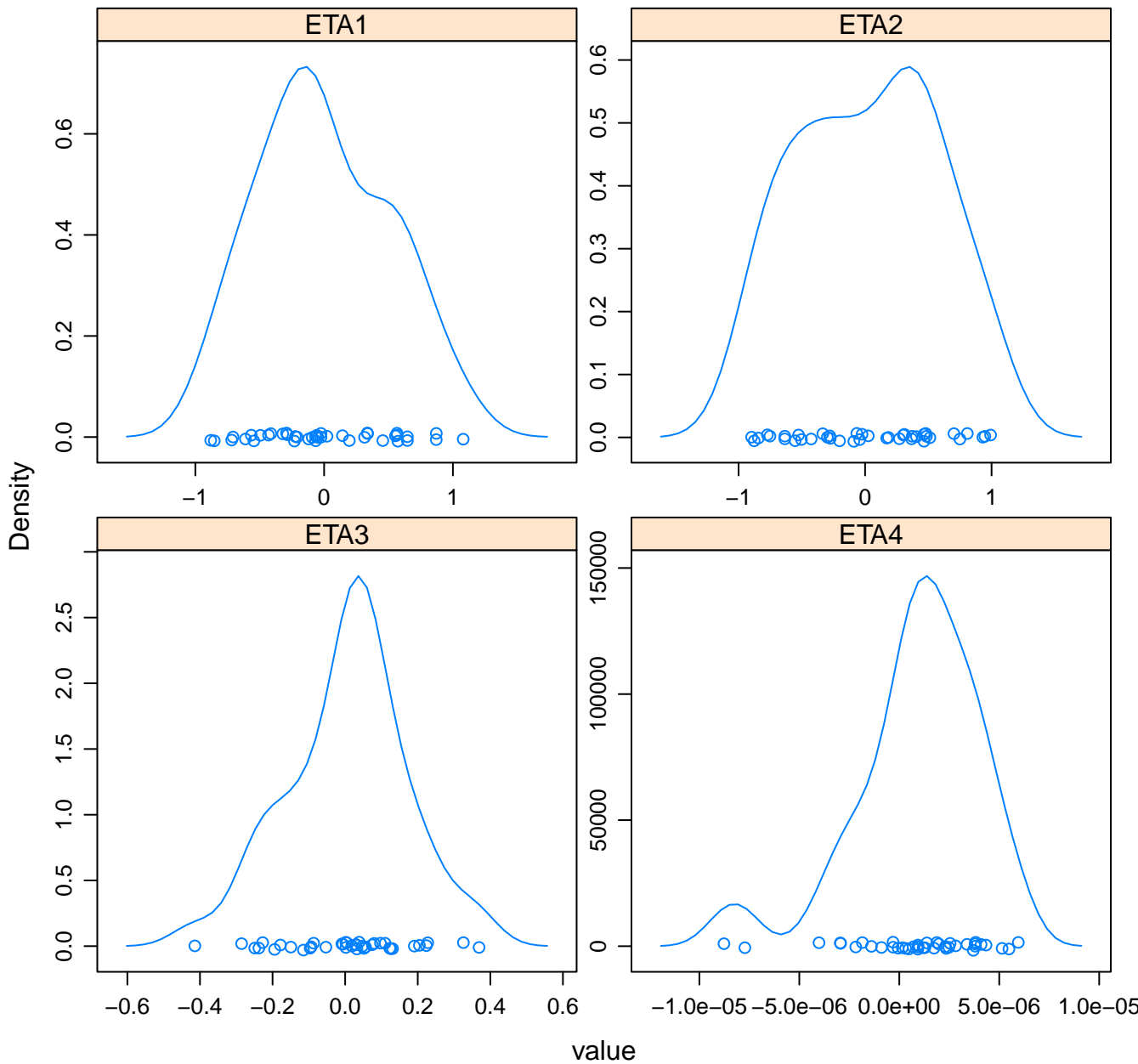
Histograms of Etas



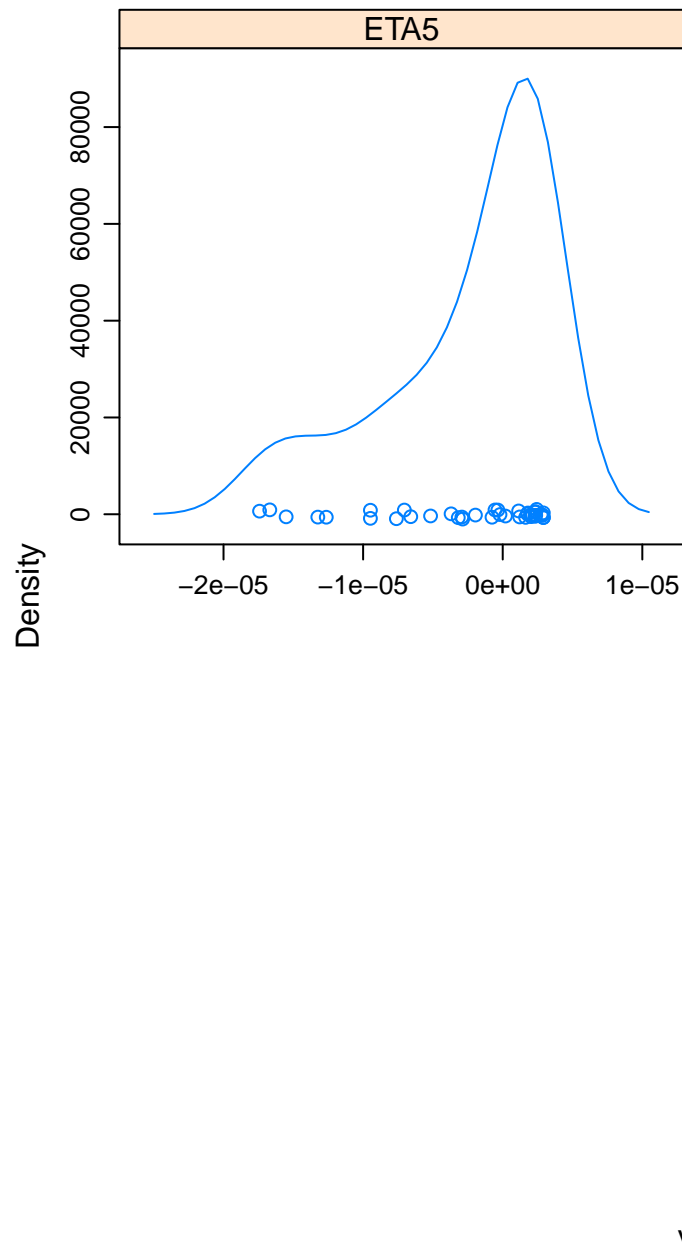
Histograms of Etas



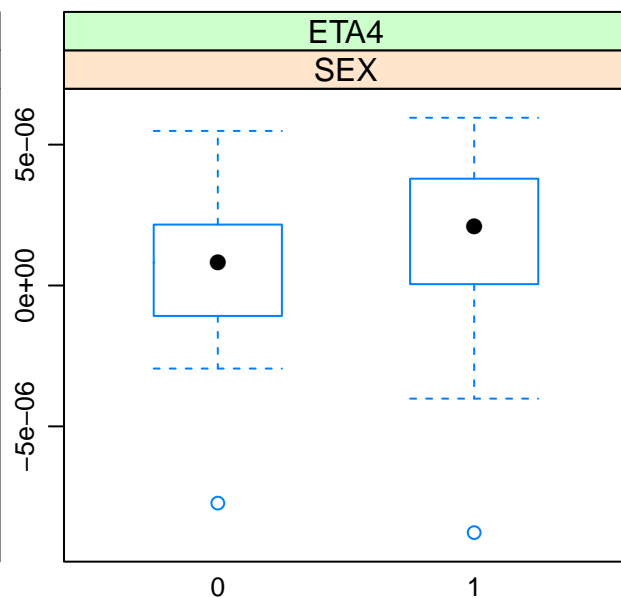
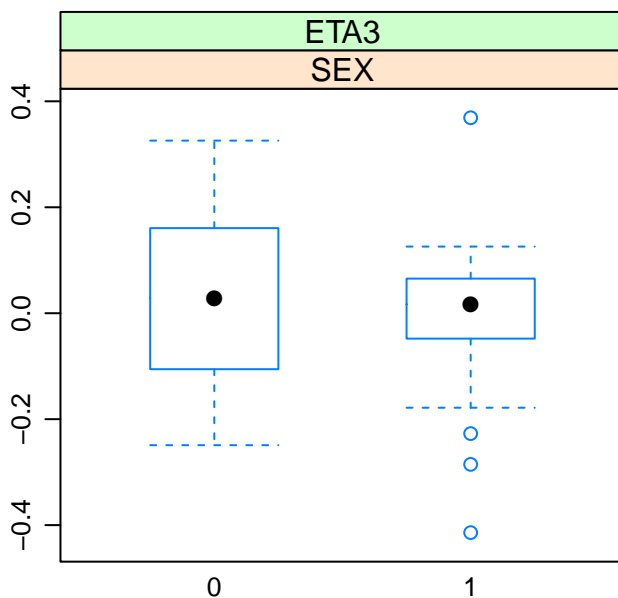
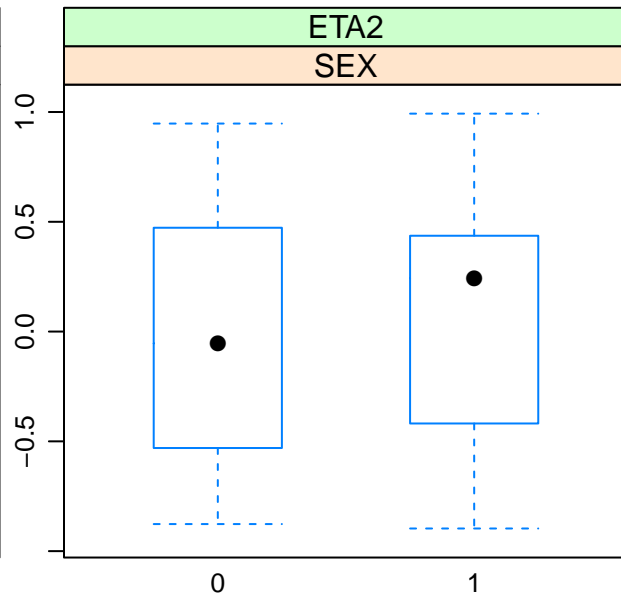
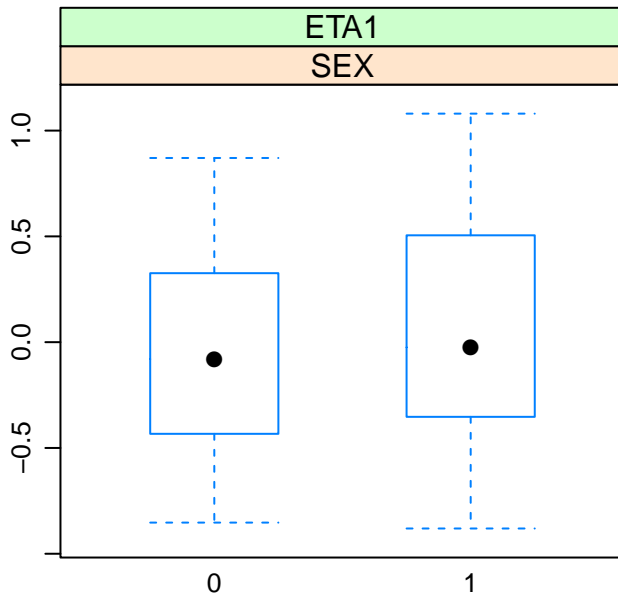
Density of Etas



Density of Etas

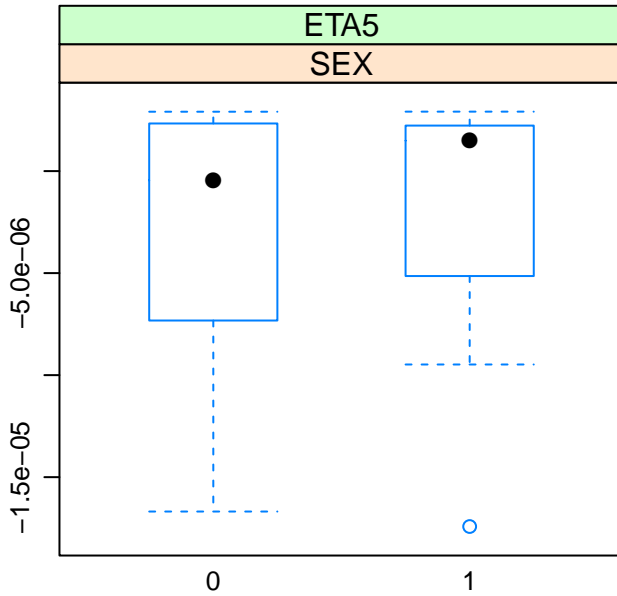


Boxplots of Etas by Categorical Covariate



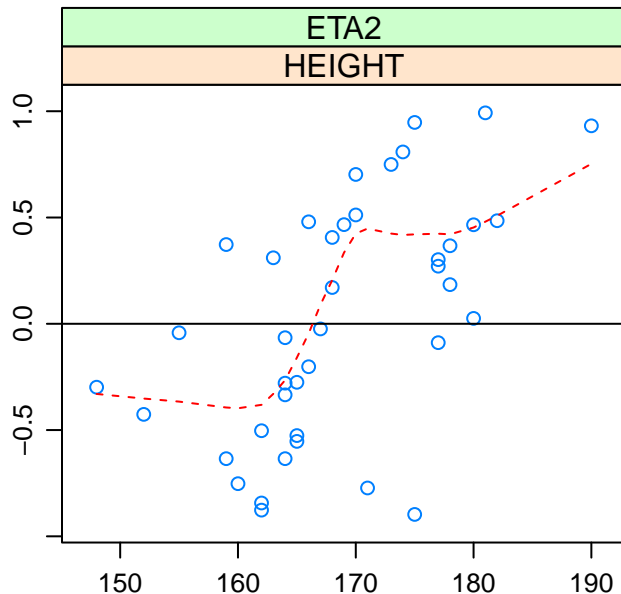
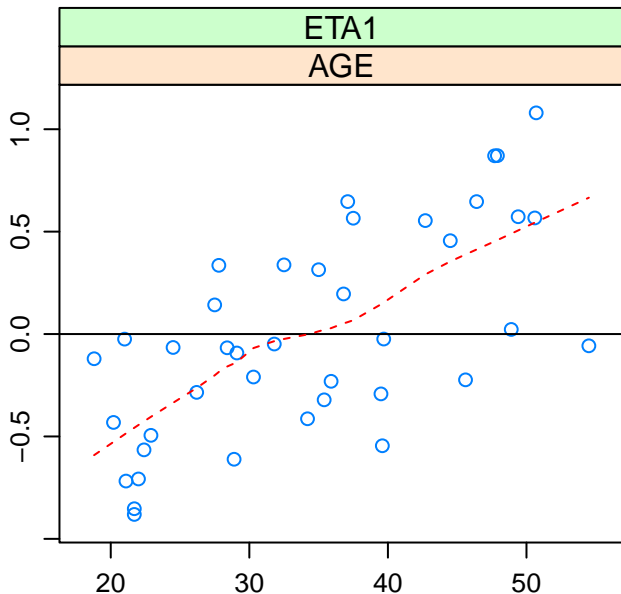
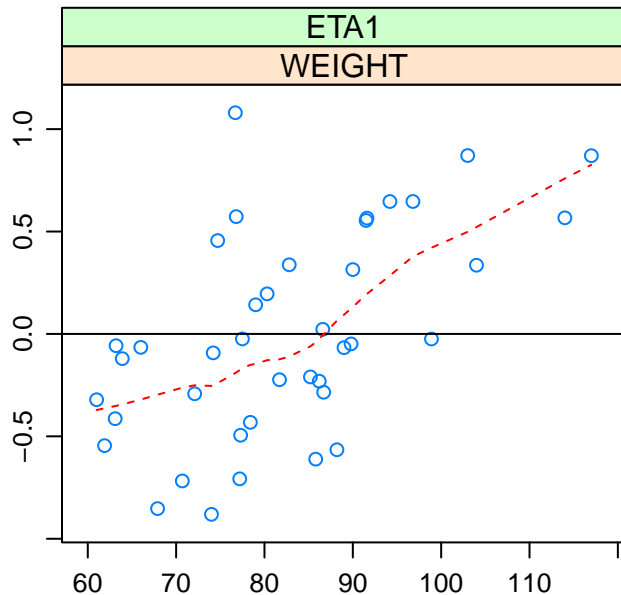
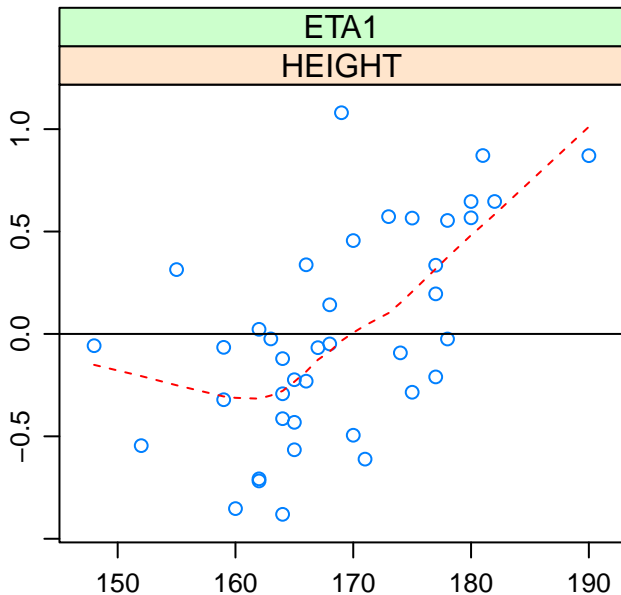
categorical covariate level

Boxplots of Etas by Categorical Covariate



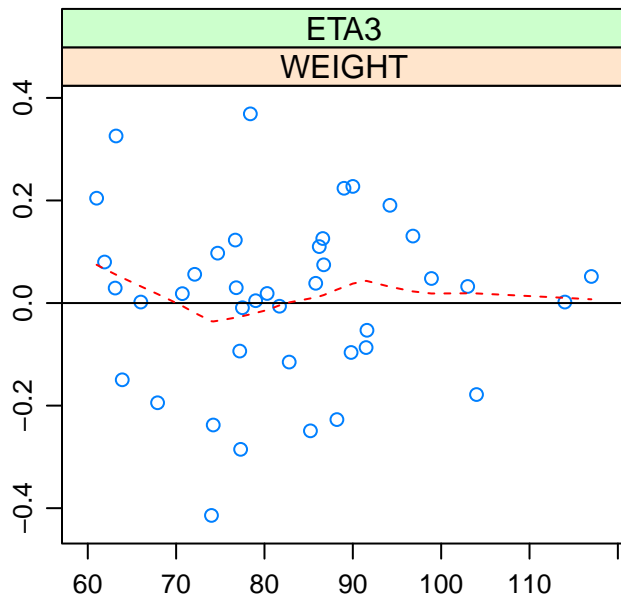
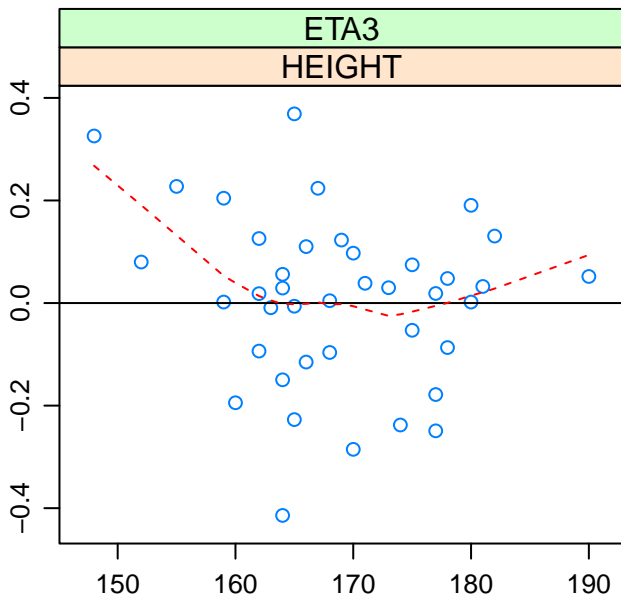
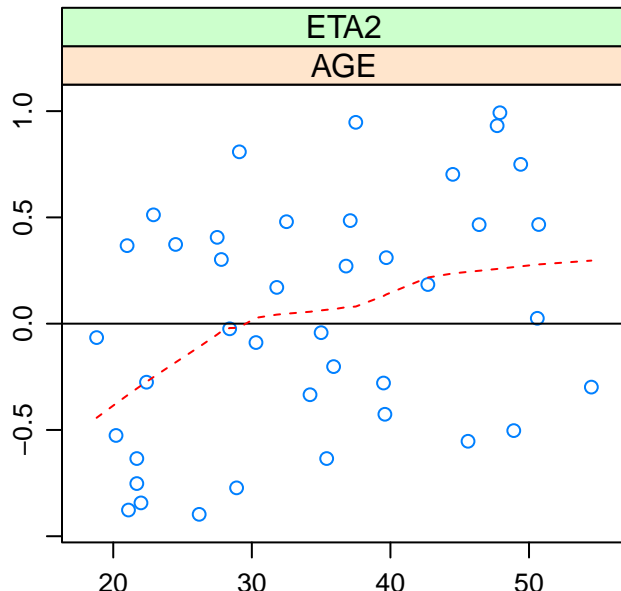
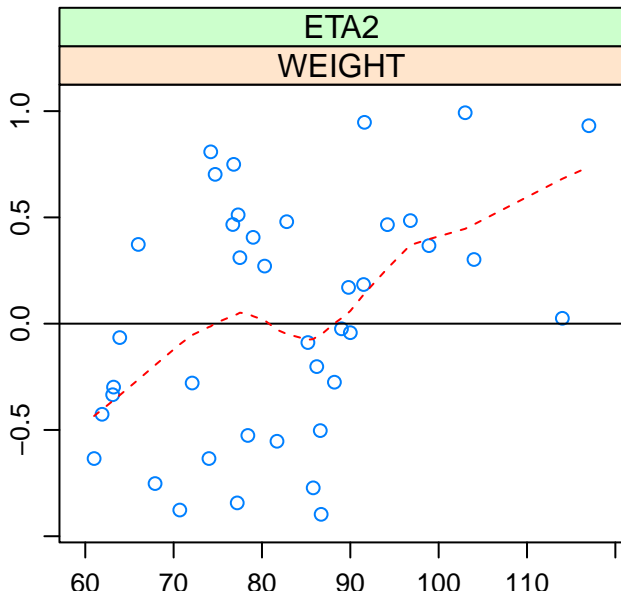
categorical covariate level

Etas vs. Continuous Covariates



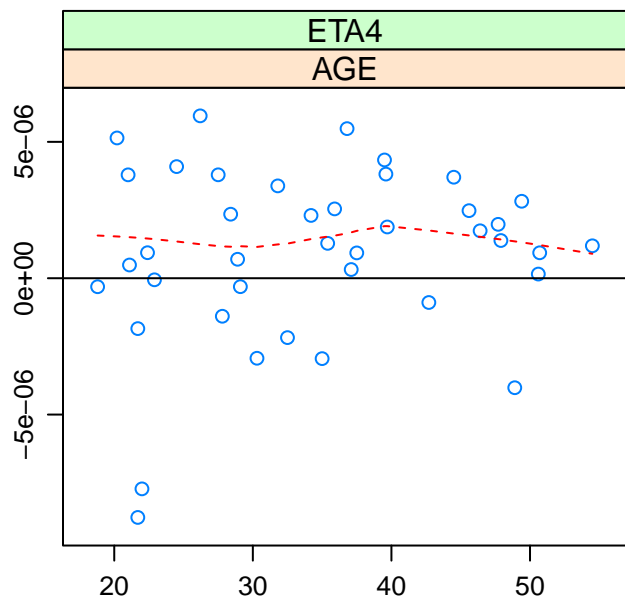
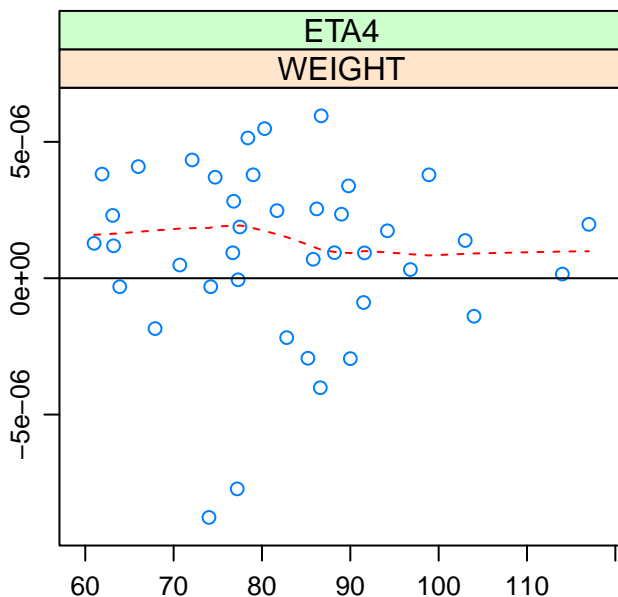
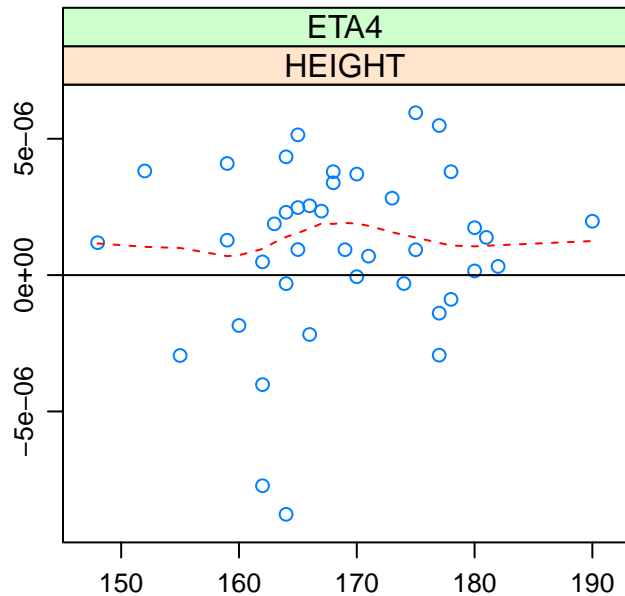
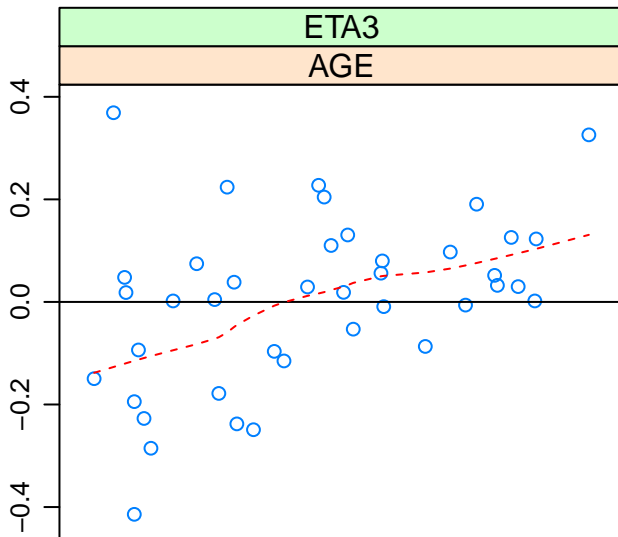
continuous covariate

Etas vs. Continuous Covariates



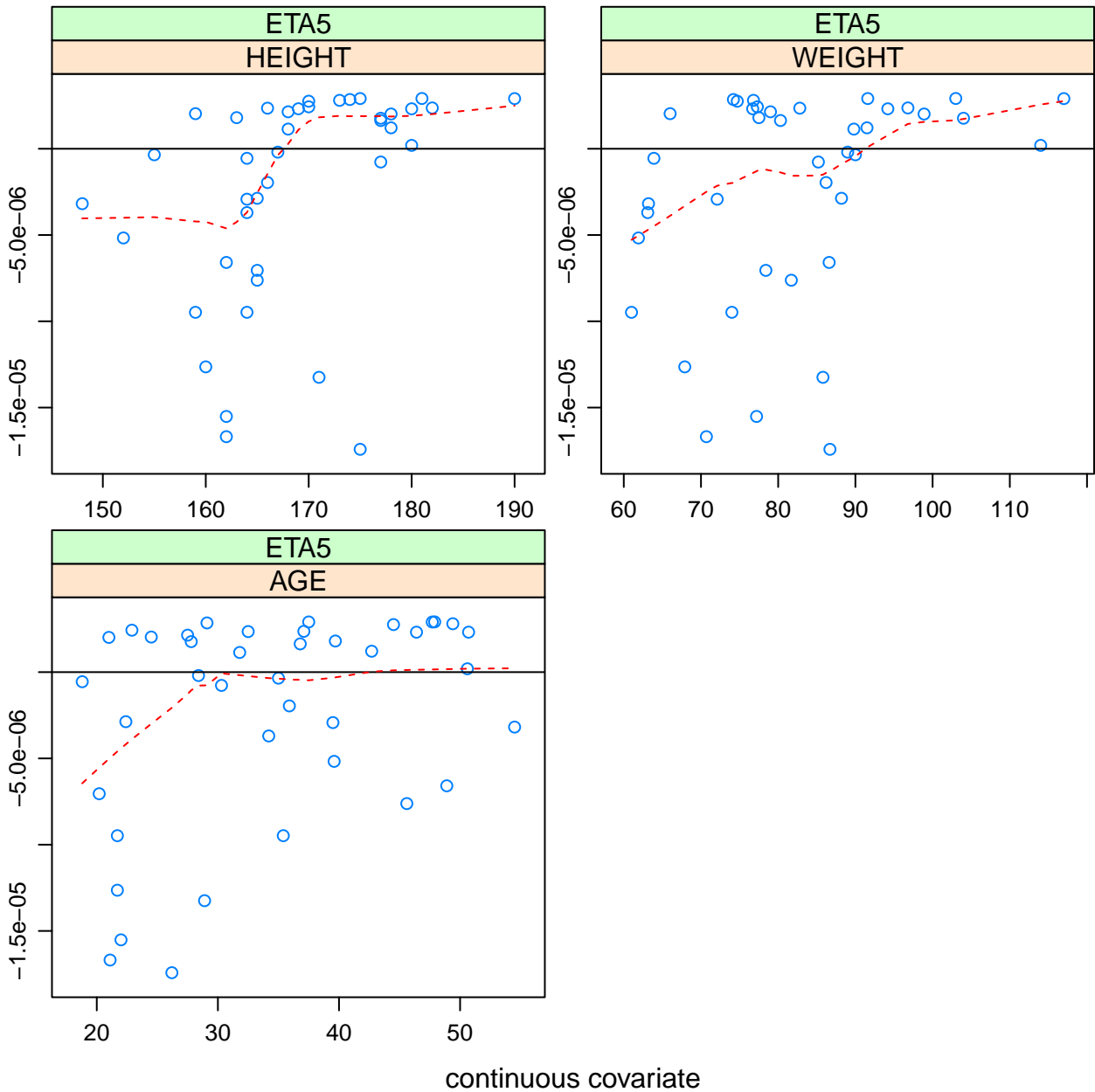
continuous covariate

Etas vs. Continuous Covariates

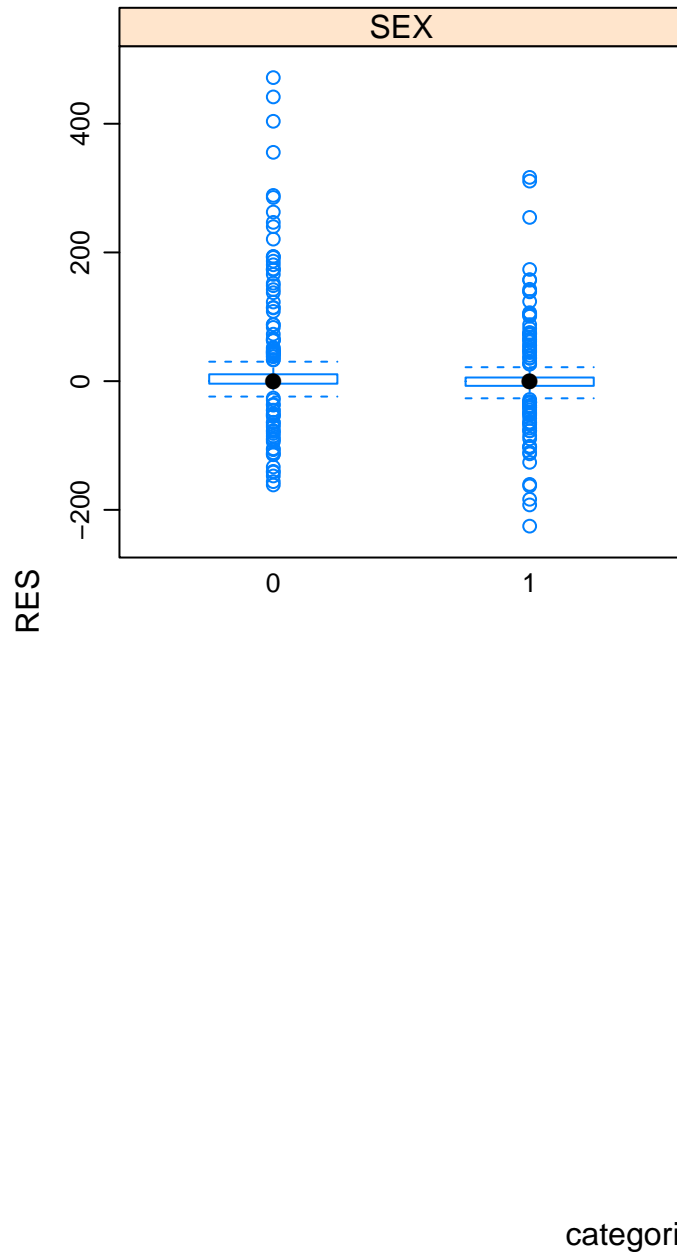


continuous covariate

Etas vs. Continuous Covariates

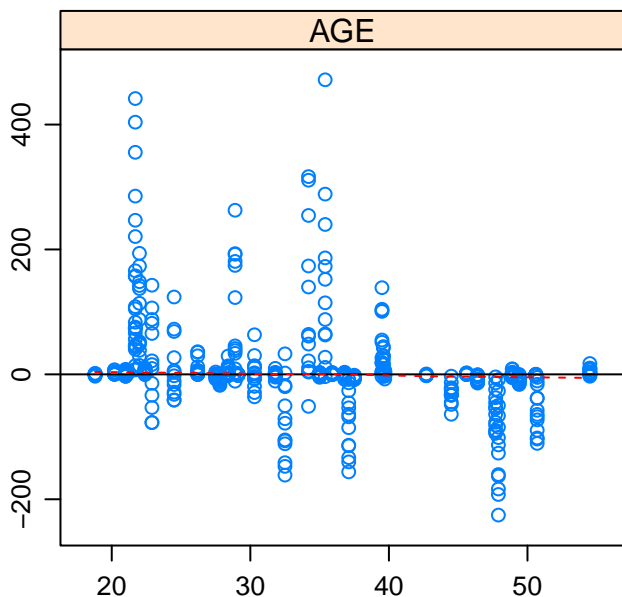
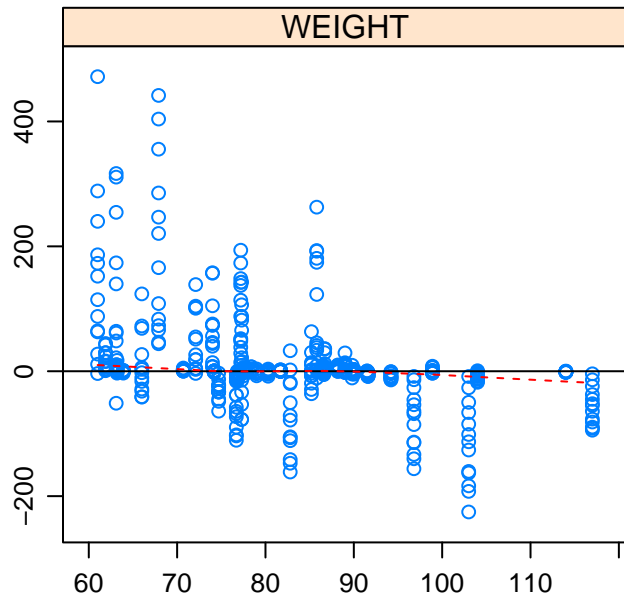
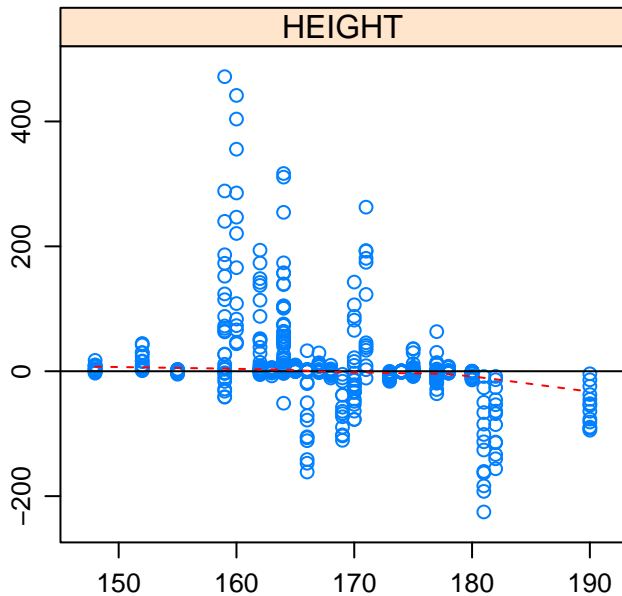


RES vs. Categorical Covariates



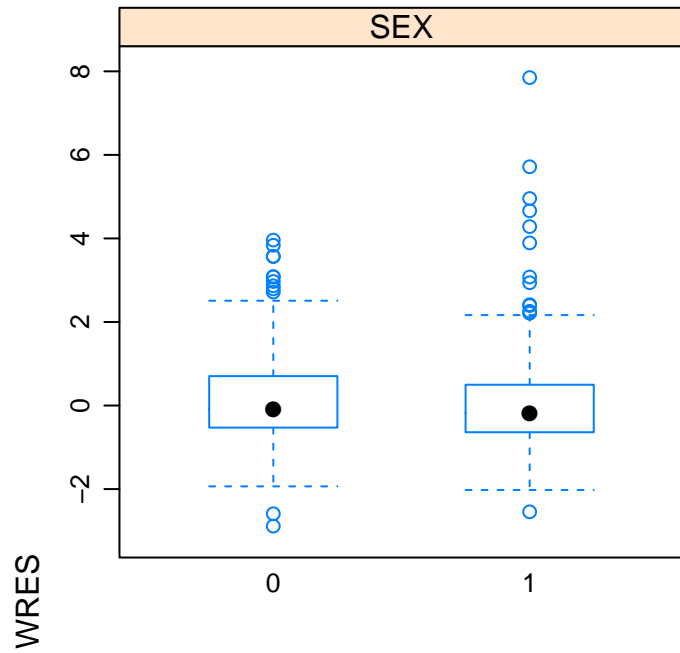
RES vs. Continuous Covariates

RES



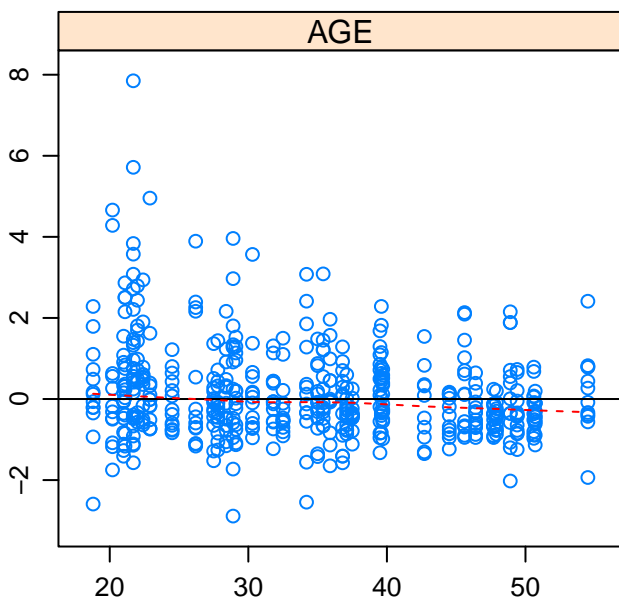
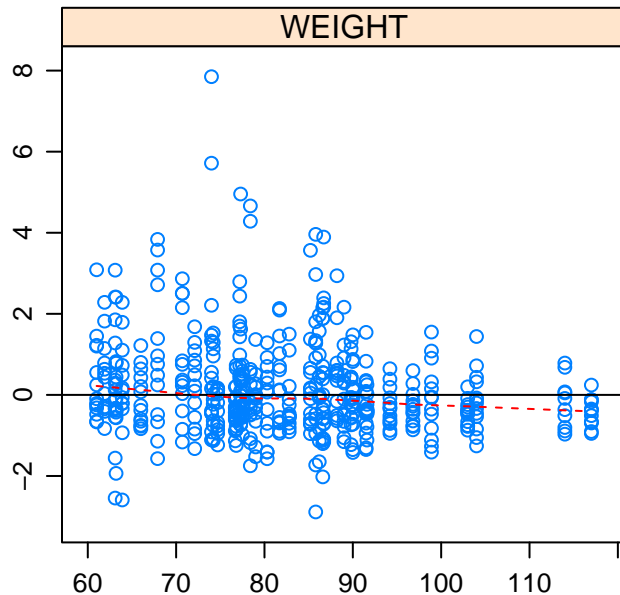
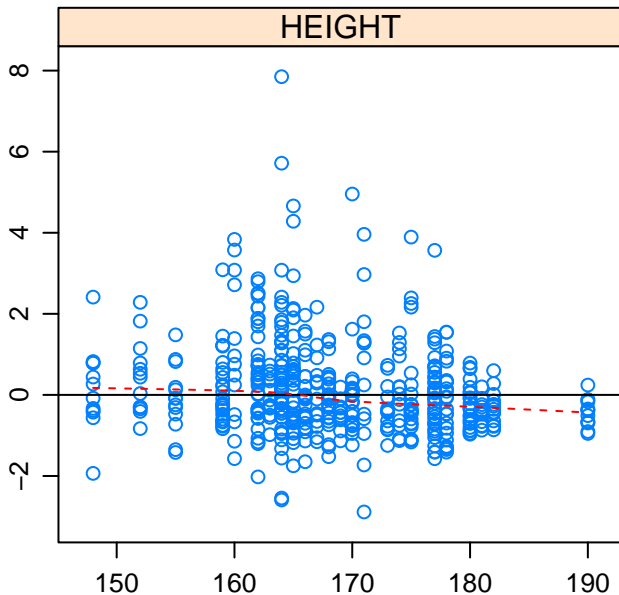
continuous covariate

WRES vs. Categorical Covariates



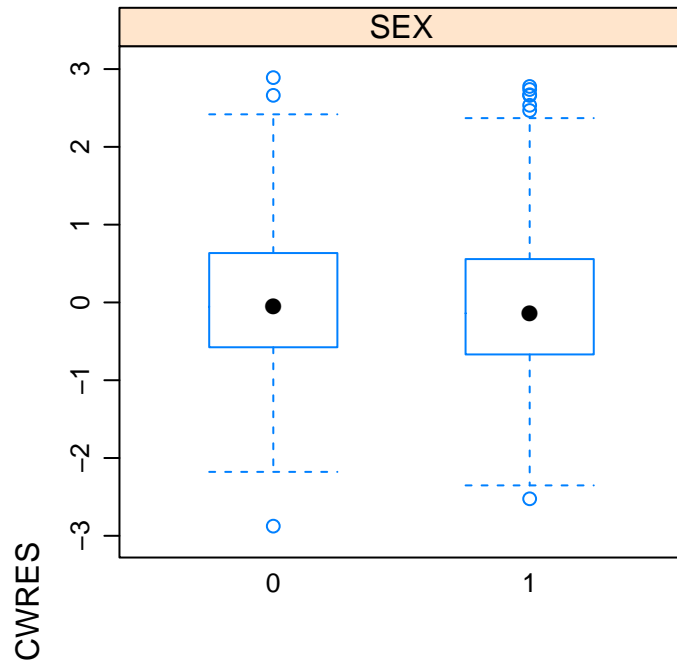
categorical Covariate

WRES vs. Continuous Covariates



continuous covariate

CWRES vs. Categorical Covariates

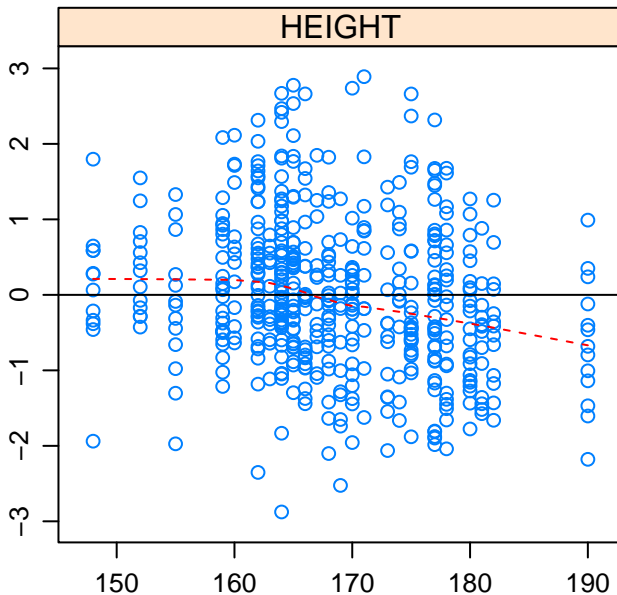


categorical Covariate

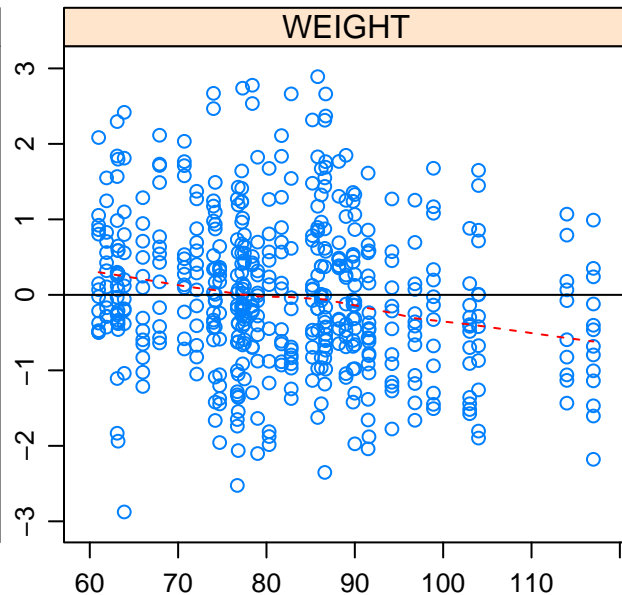
CWRES vs. Continuous Covariates

CWRES

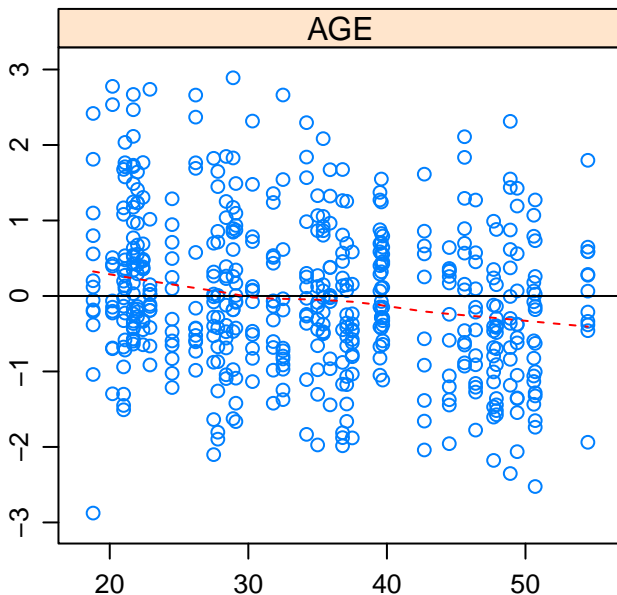
HEIGHT



WEIGHT

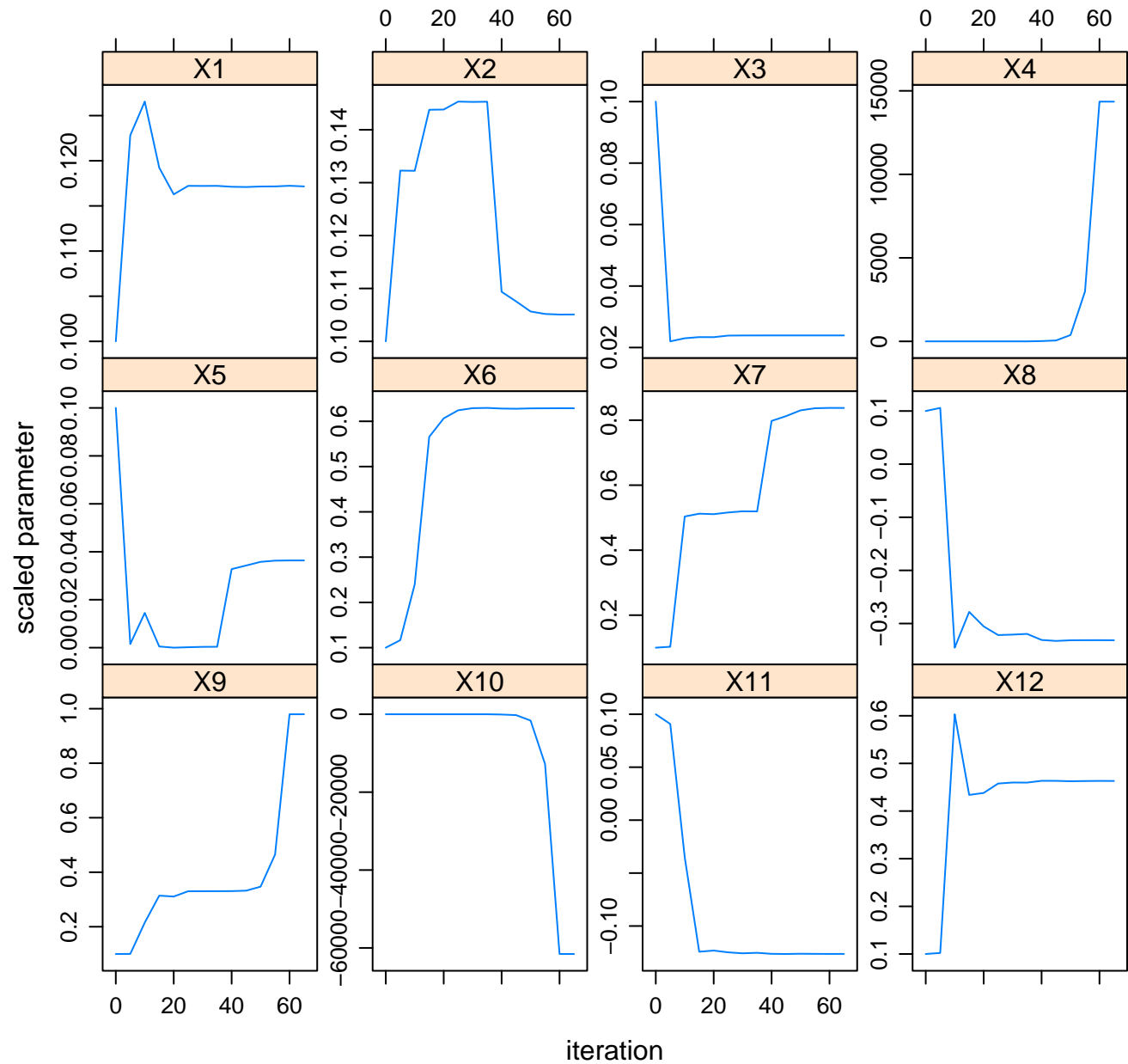


AGE



continuous covariate

Model 1002 parameter search



Model 1002 gradient search

