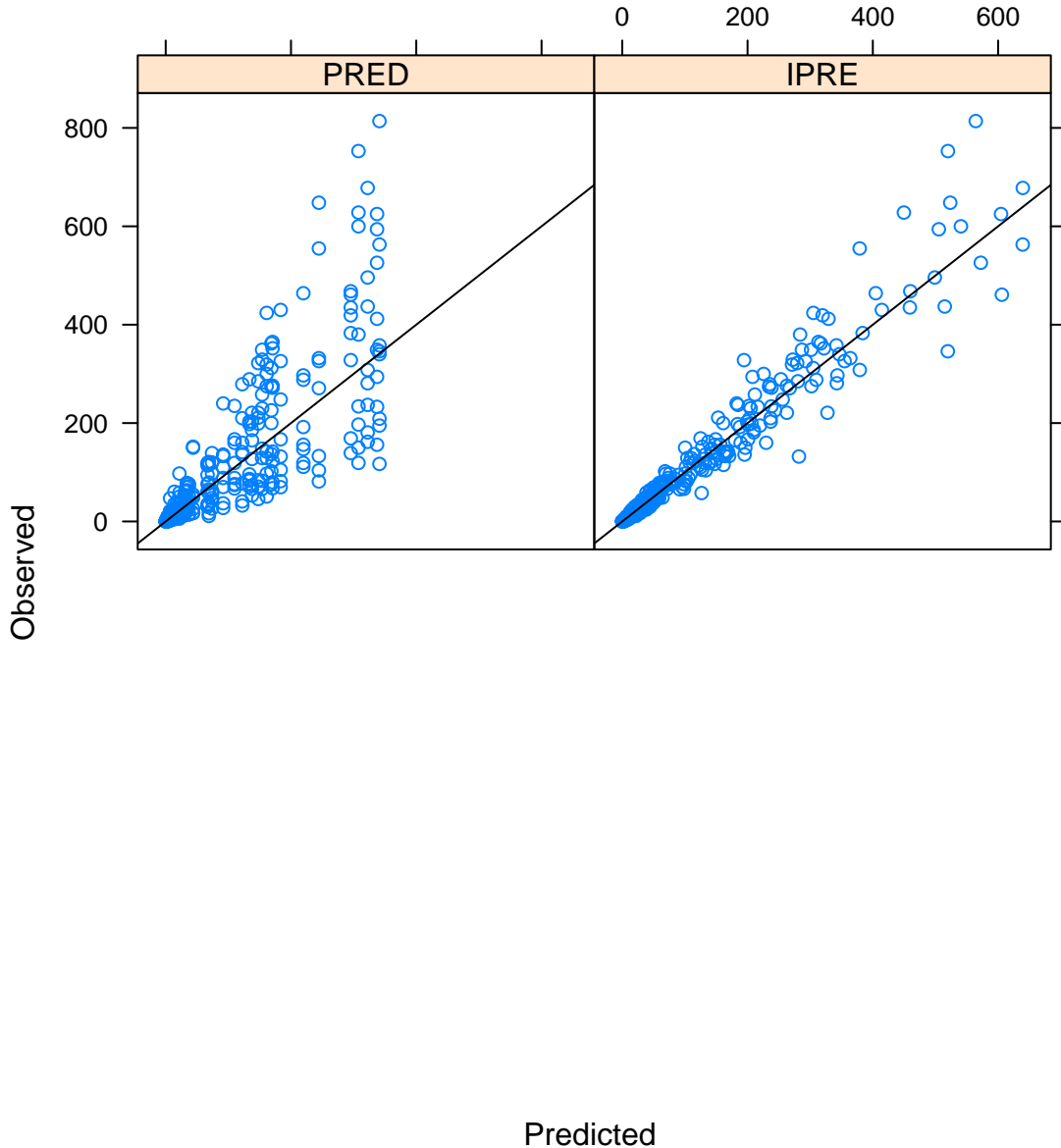


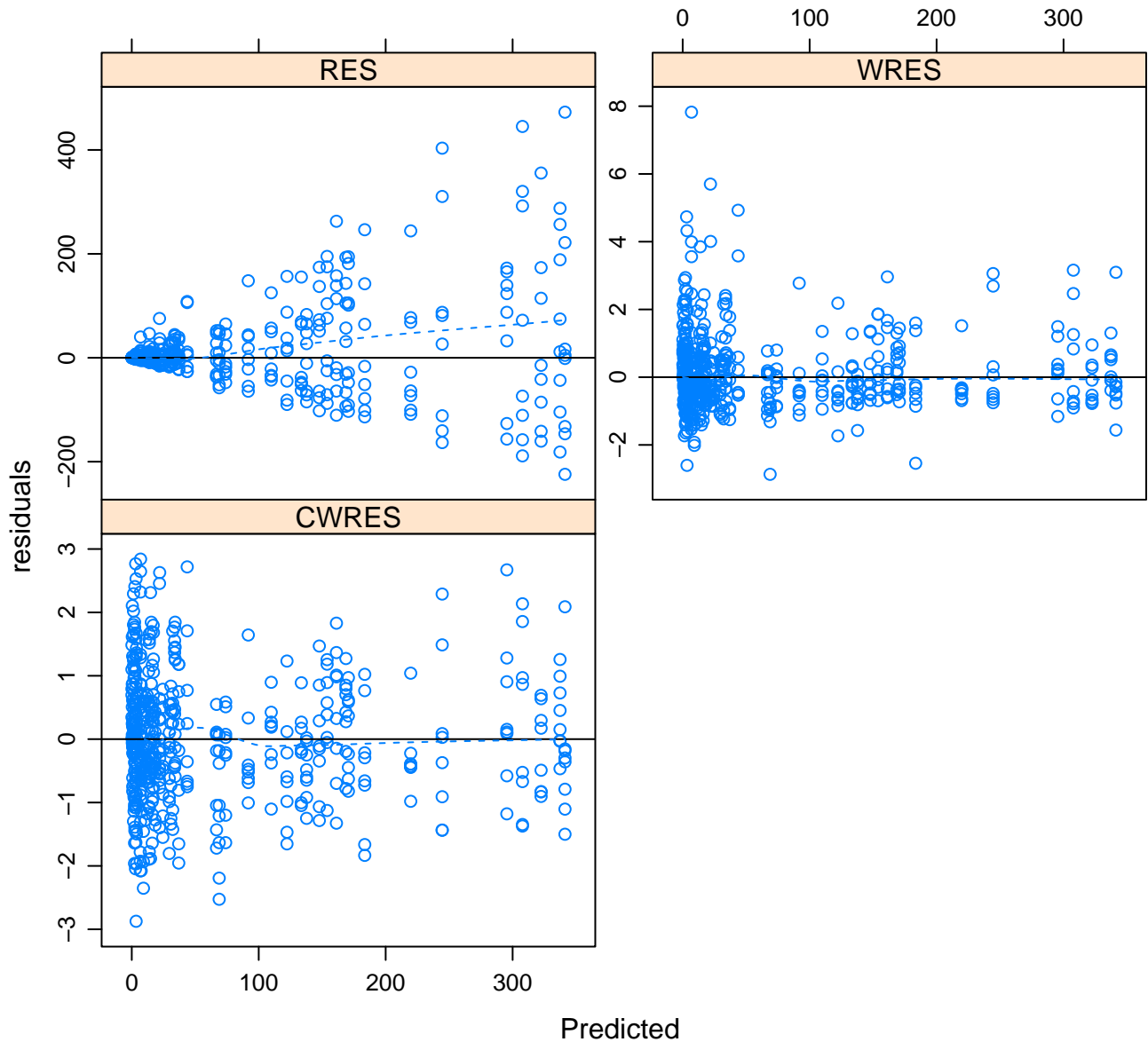
Model 1001

Observed vs. Predicted for all data



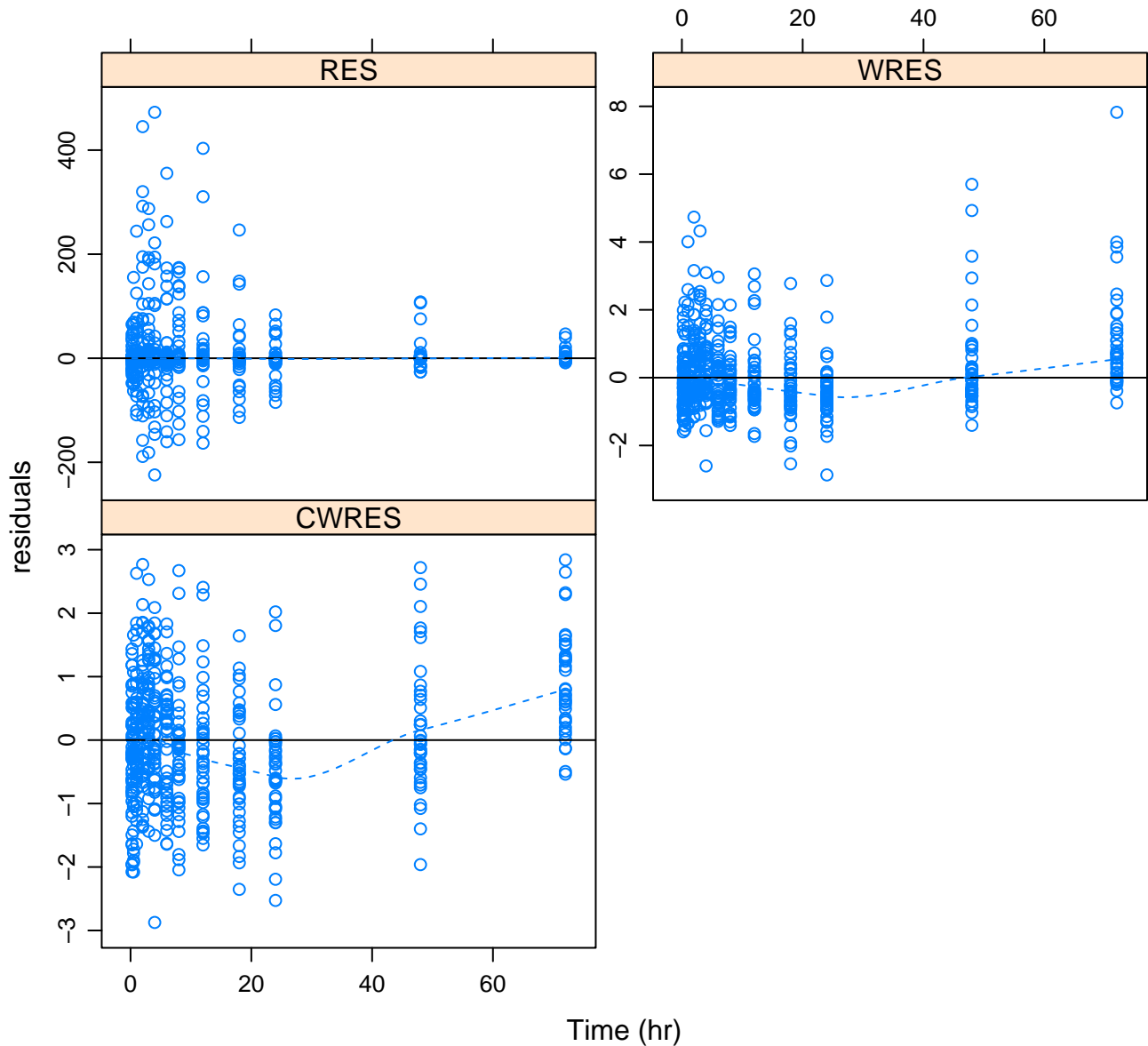
Model 1001

Residuals vs. Predicted for all data



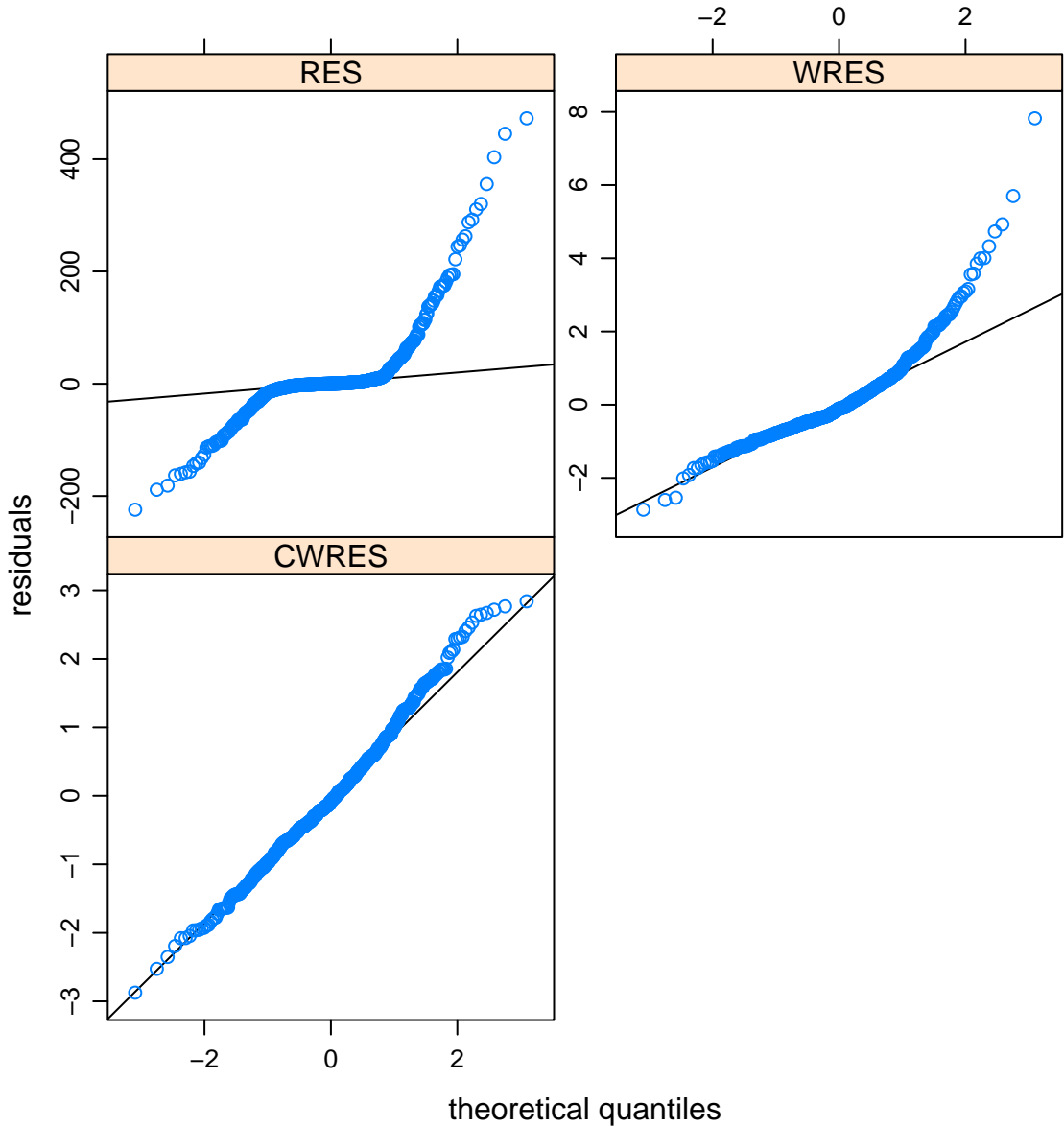
Model 1001

Residuals vs. Time for all data



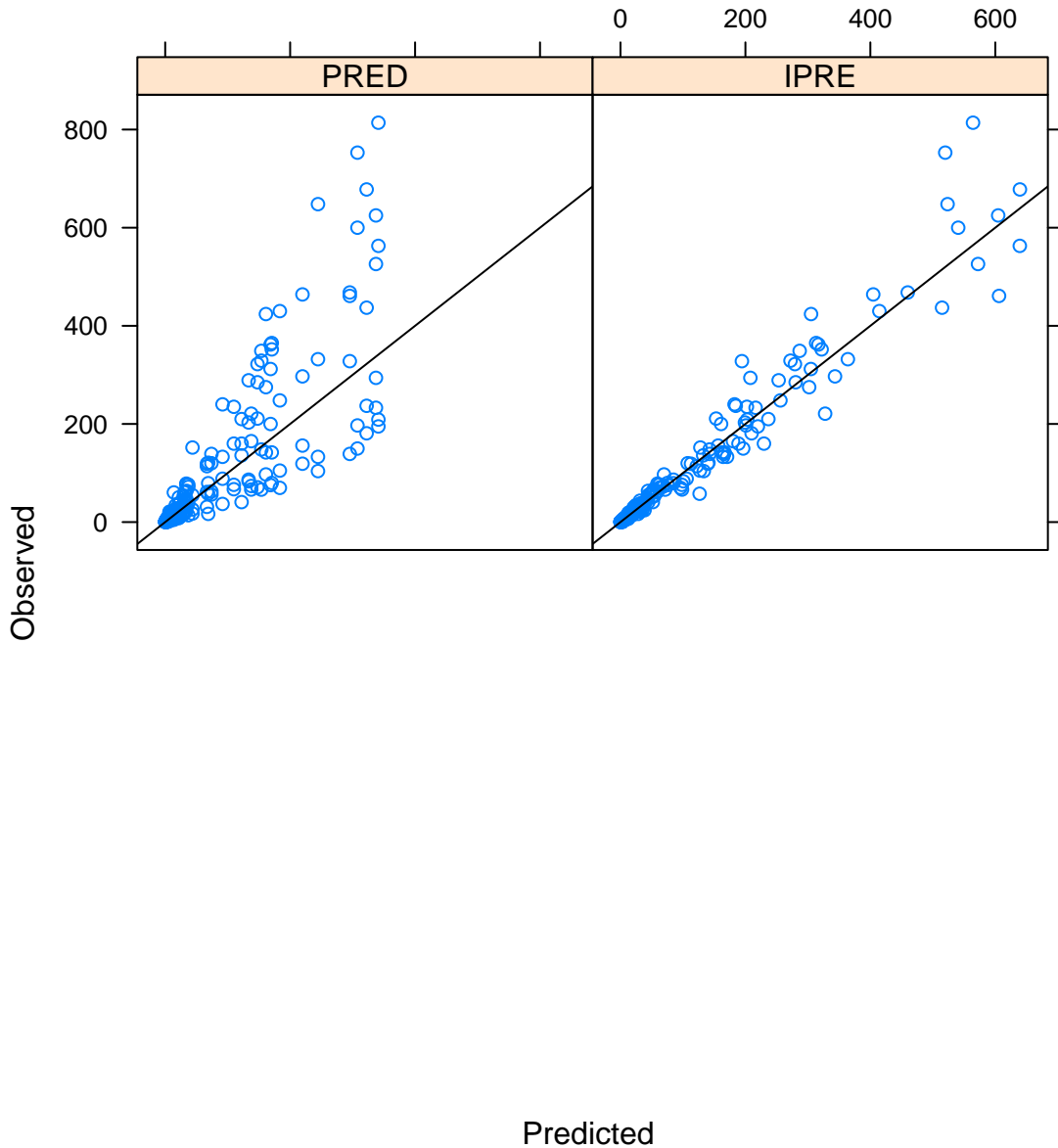
Model 1001

Normal Q-Q Plot Residuals for all data



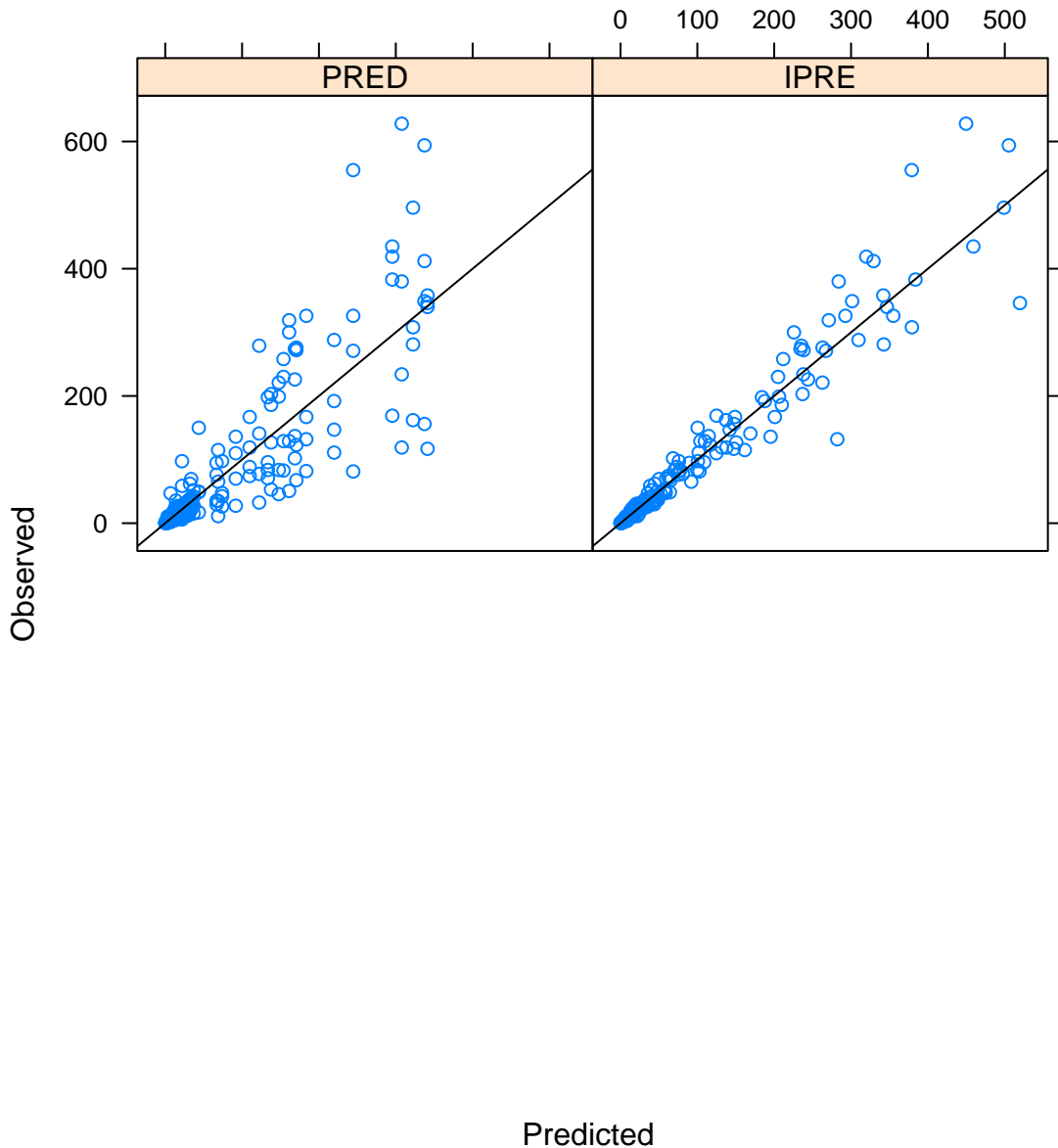
Model 1001

Observed vs. Predicted for female data



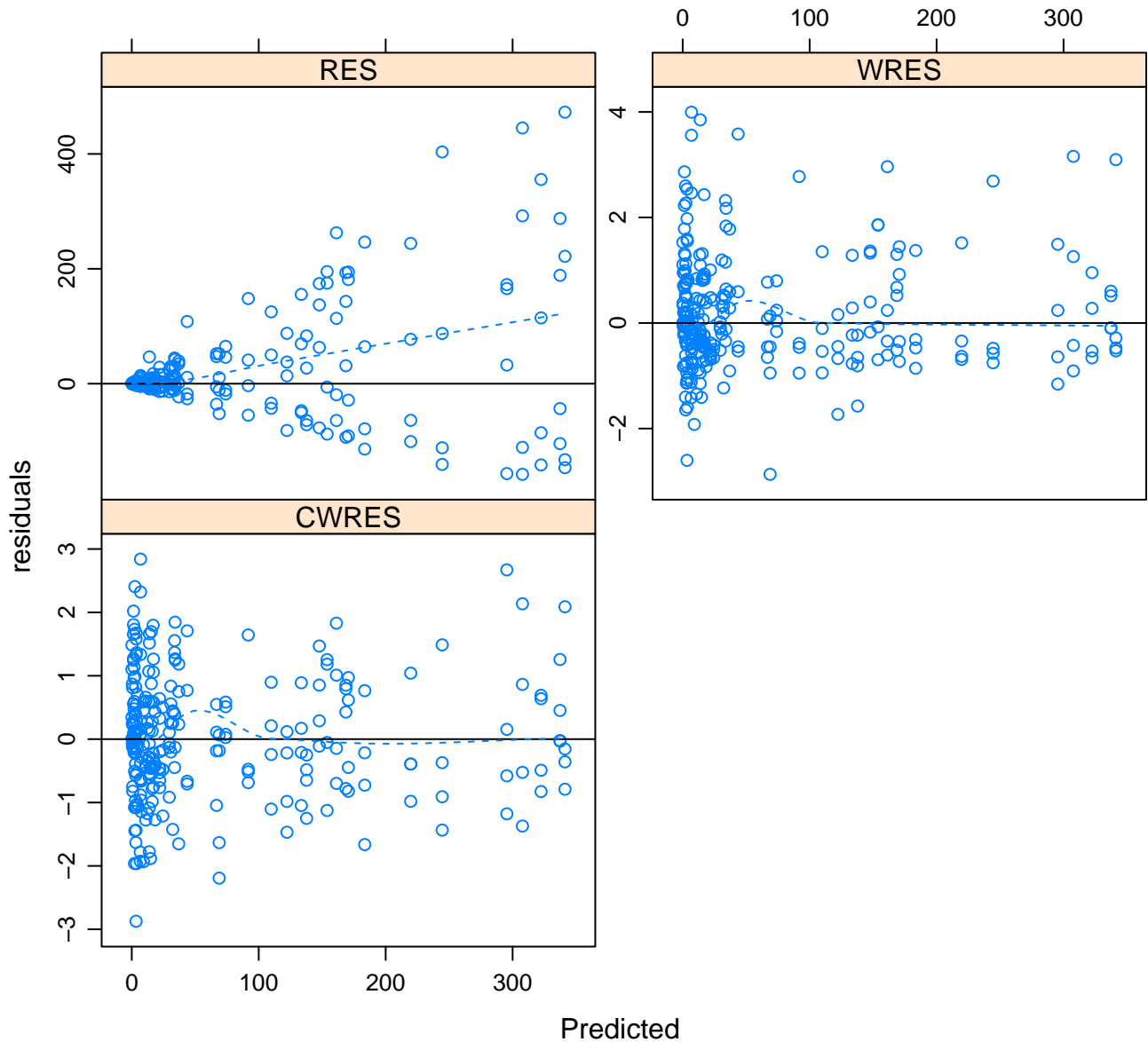
Model 1001

Observed vs. Predicted for male data



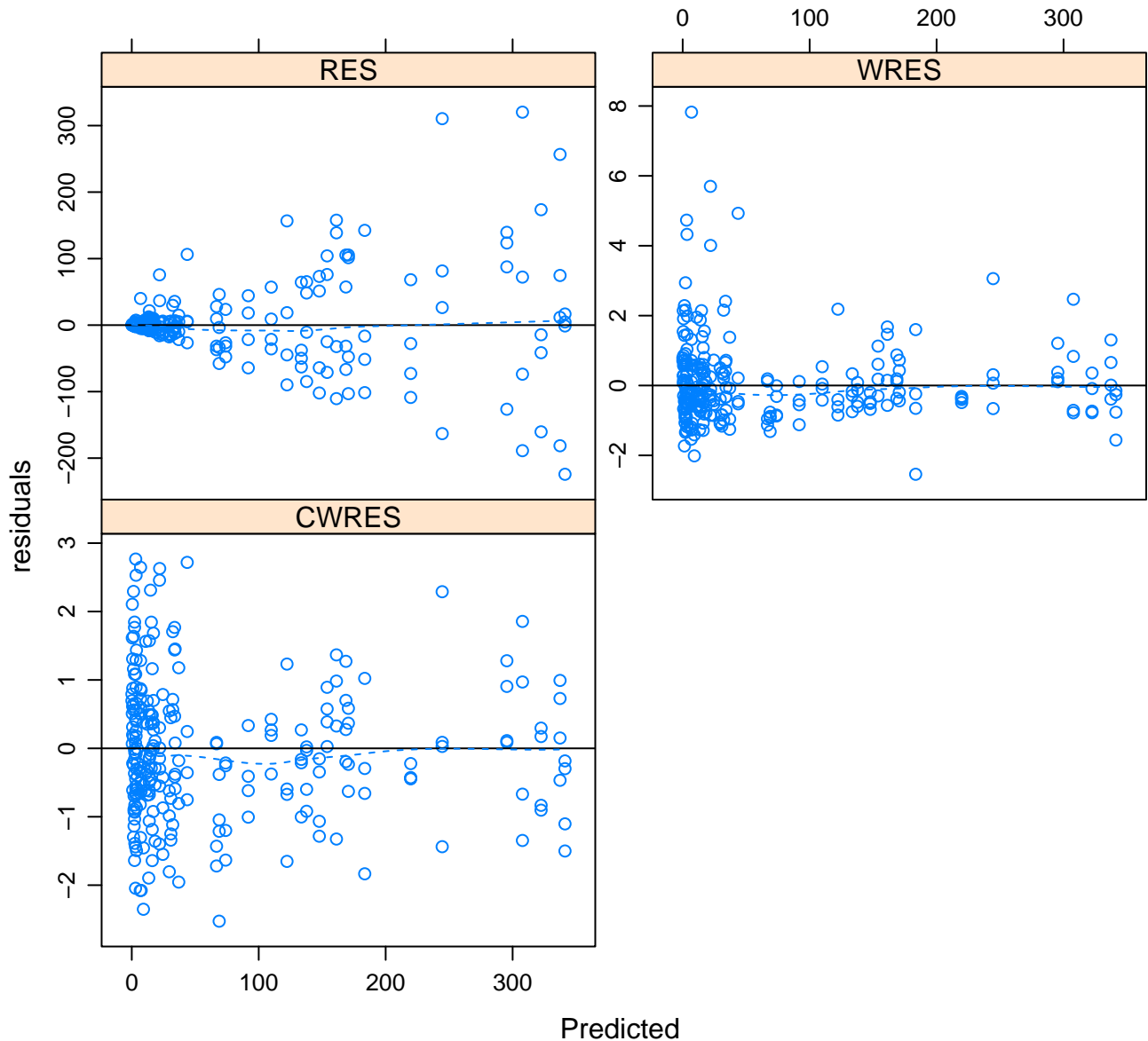
Model 1001

Residuals vs. Predicted for female data



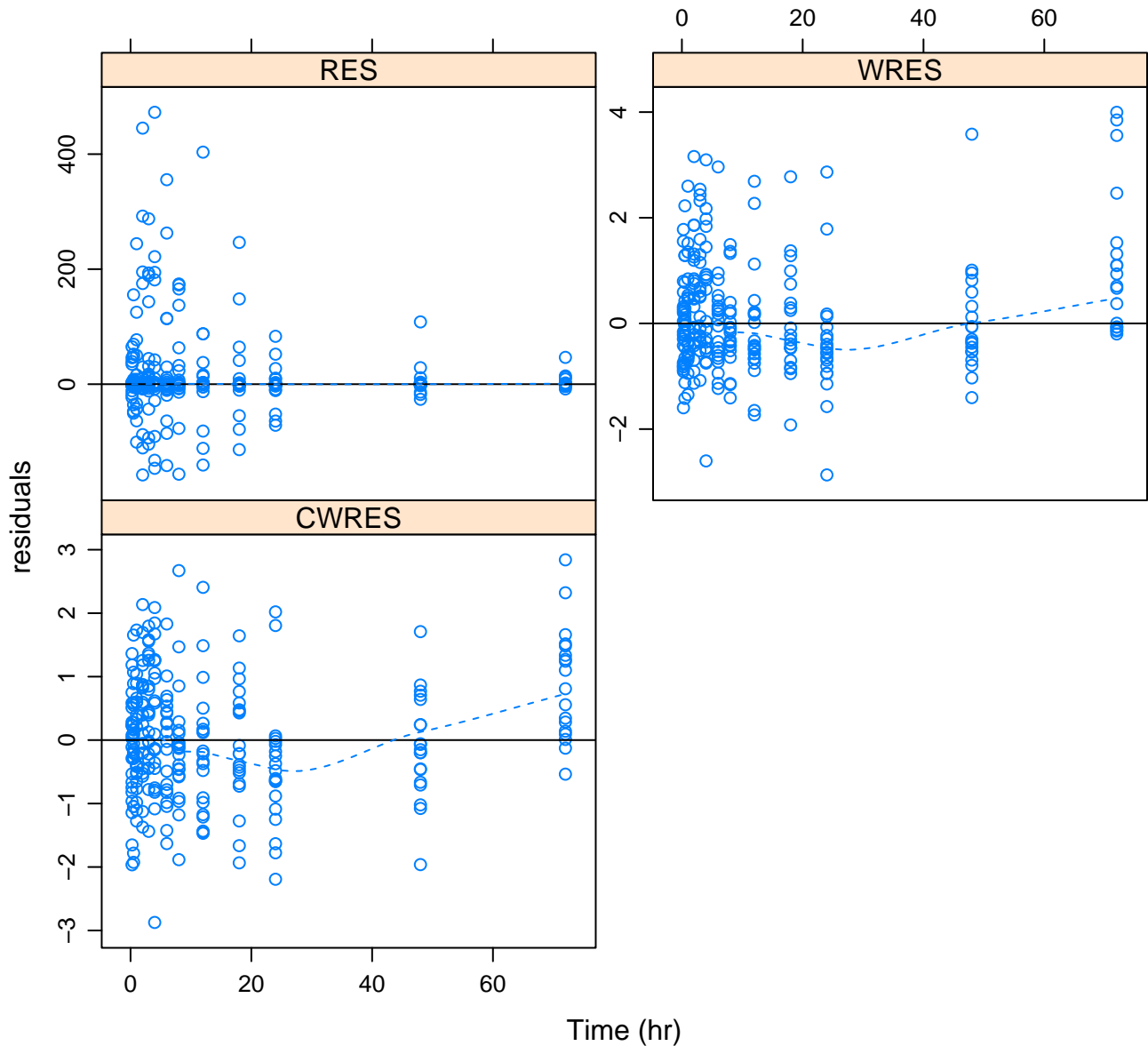
Model 1001

Residuals vs. Predicted for male data



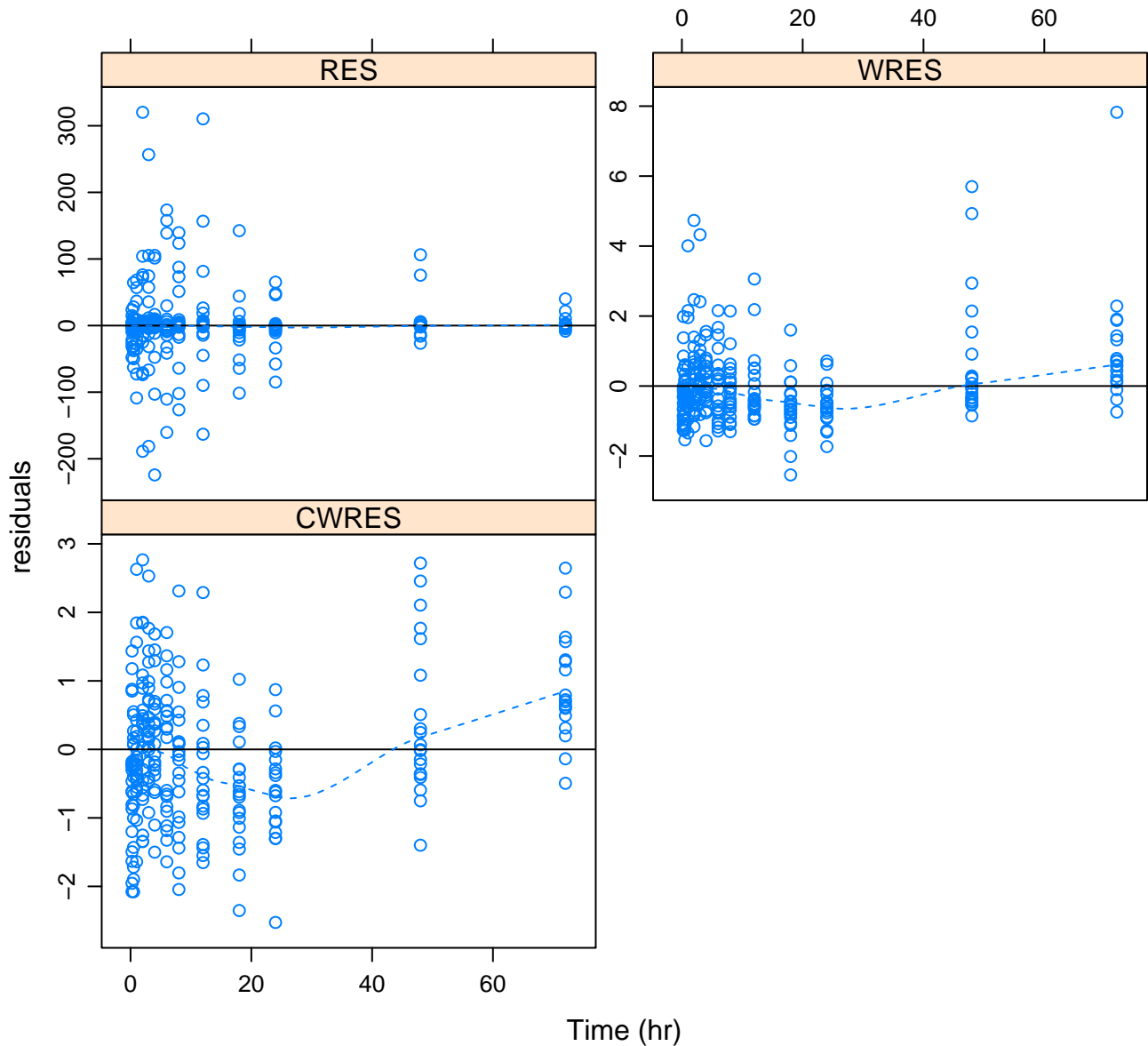
Model 1001

Residuals vs. Time for female data



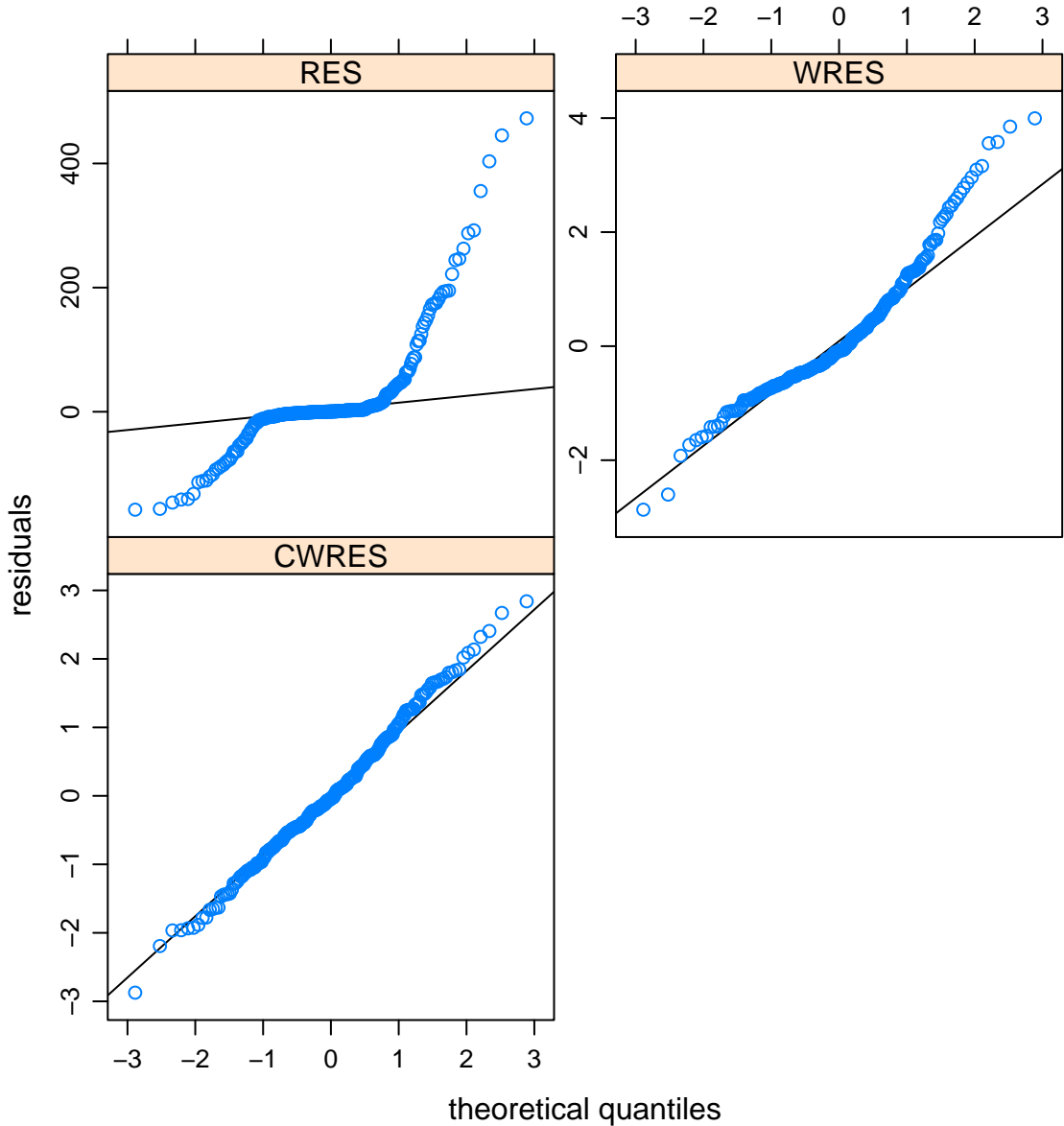
Model 1001

Residuals vs. Time for male data



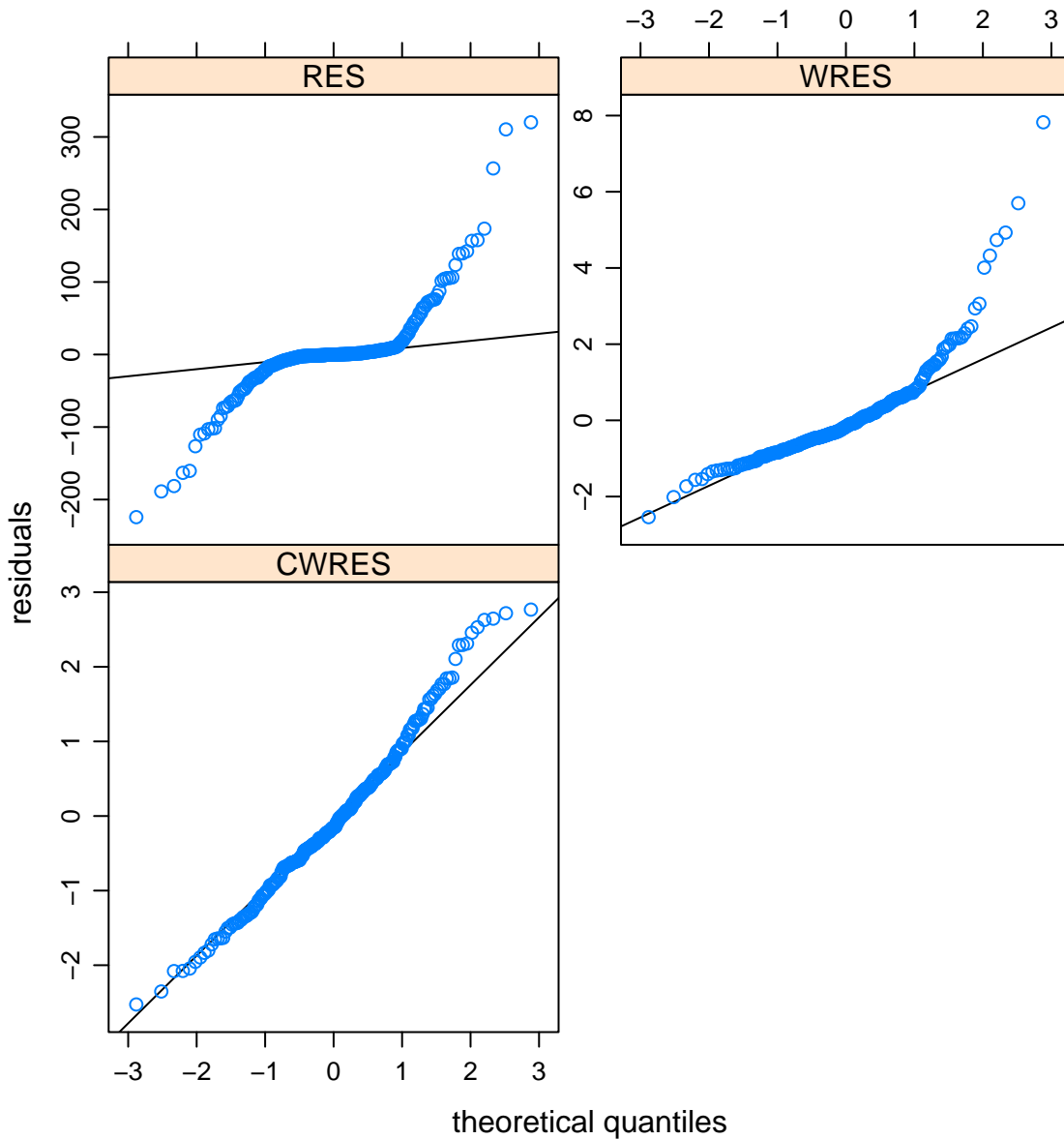
Model 1001

Normal Q-Q Plot Residuals for female data



Model 1001

Normal Q-Q Plot Residuals for male data



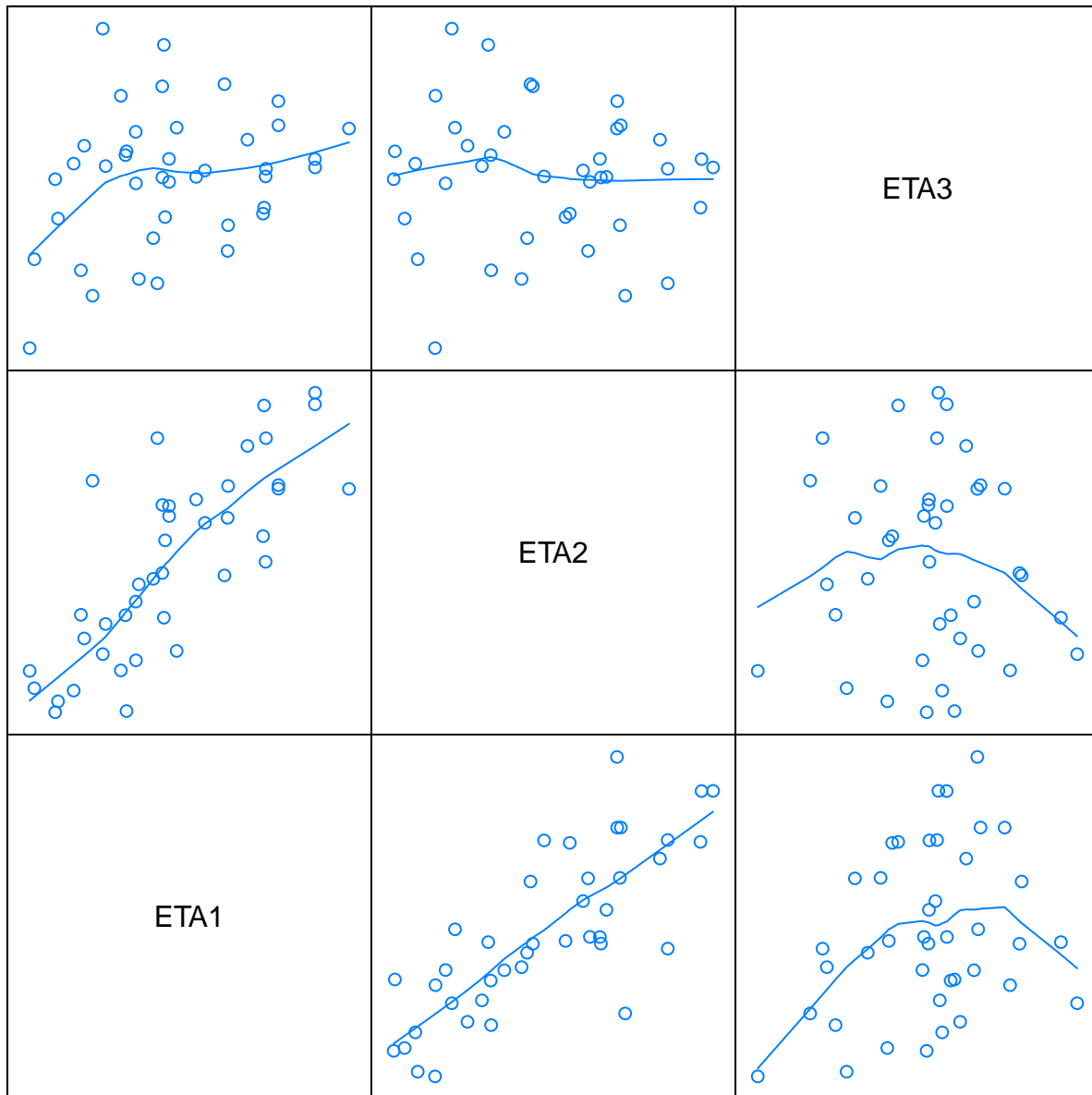
Covariate Scatterplots



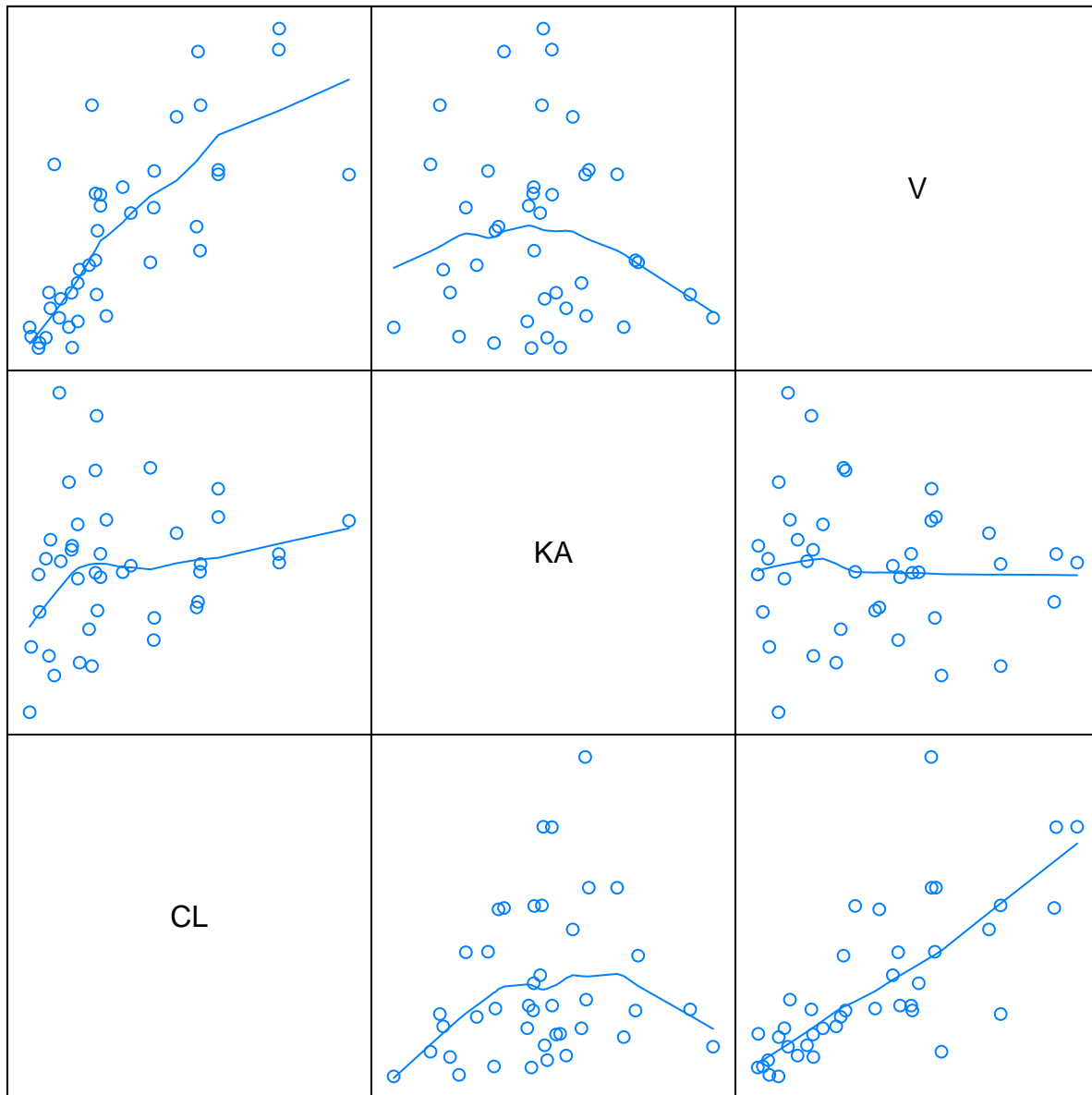
Continuous Covariates vs. Categorical Covariates



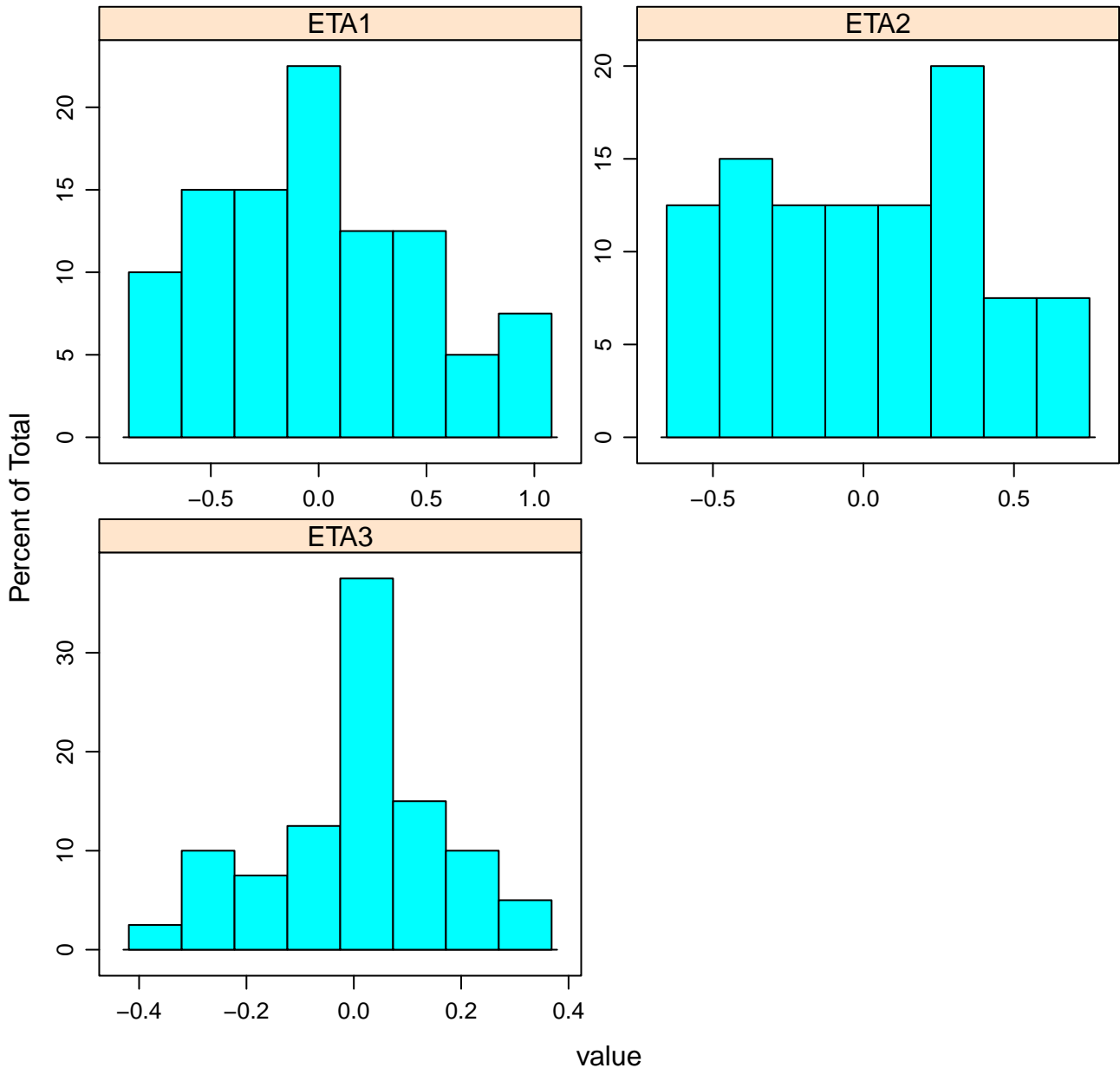
ETA Scatterplots



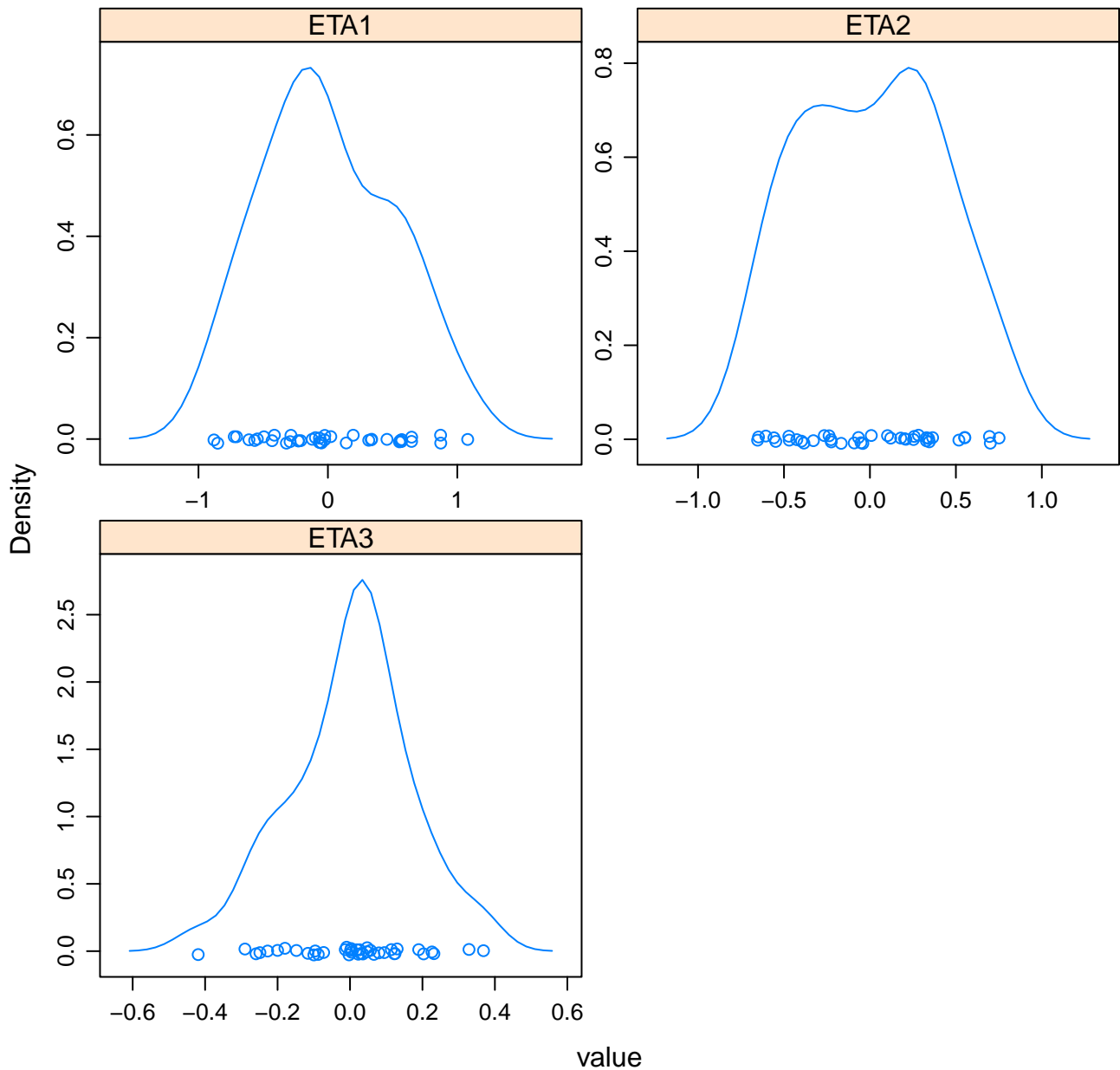
Parameter Scatterplots



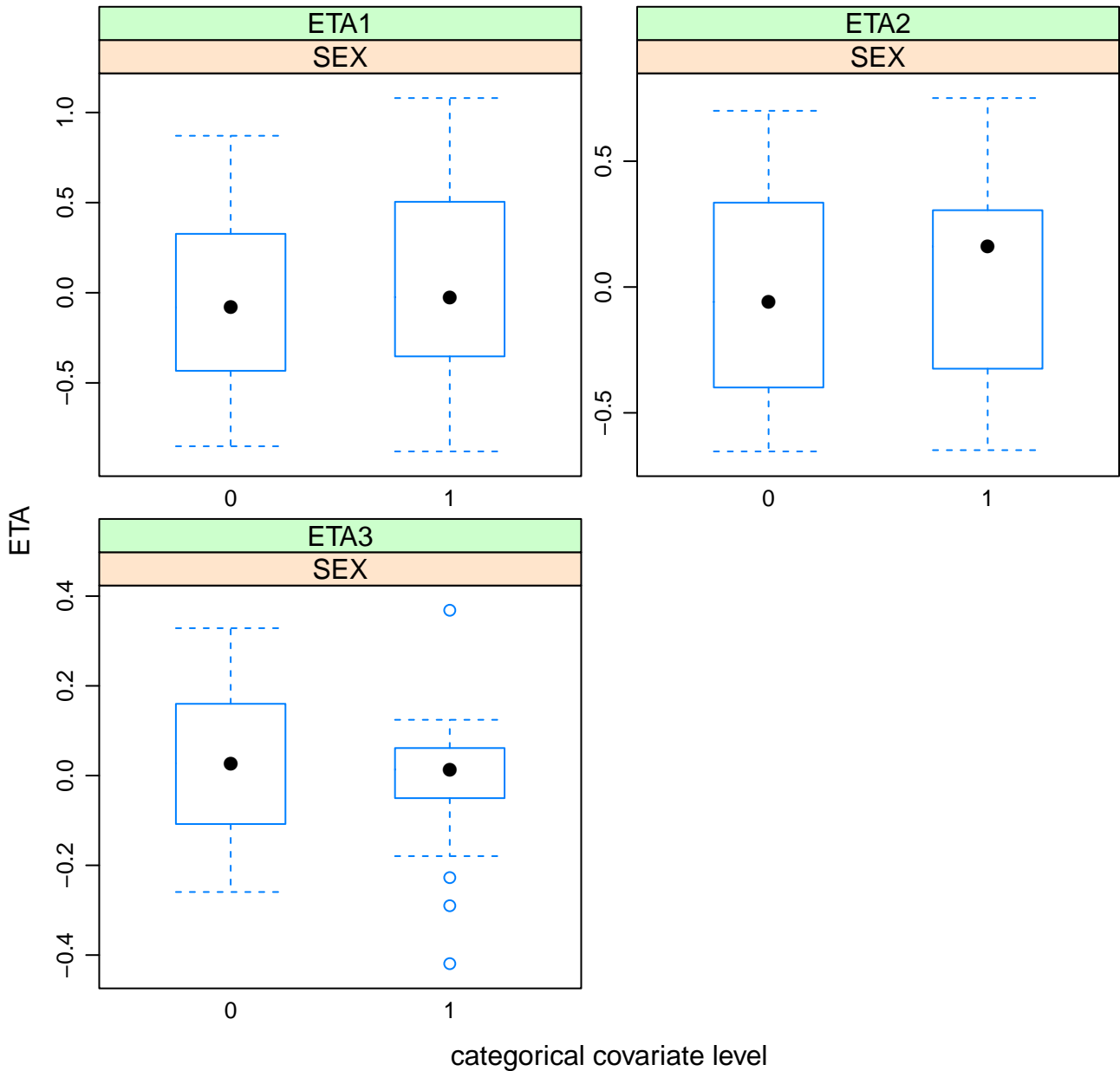
Histograms of Etas



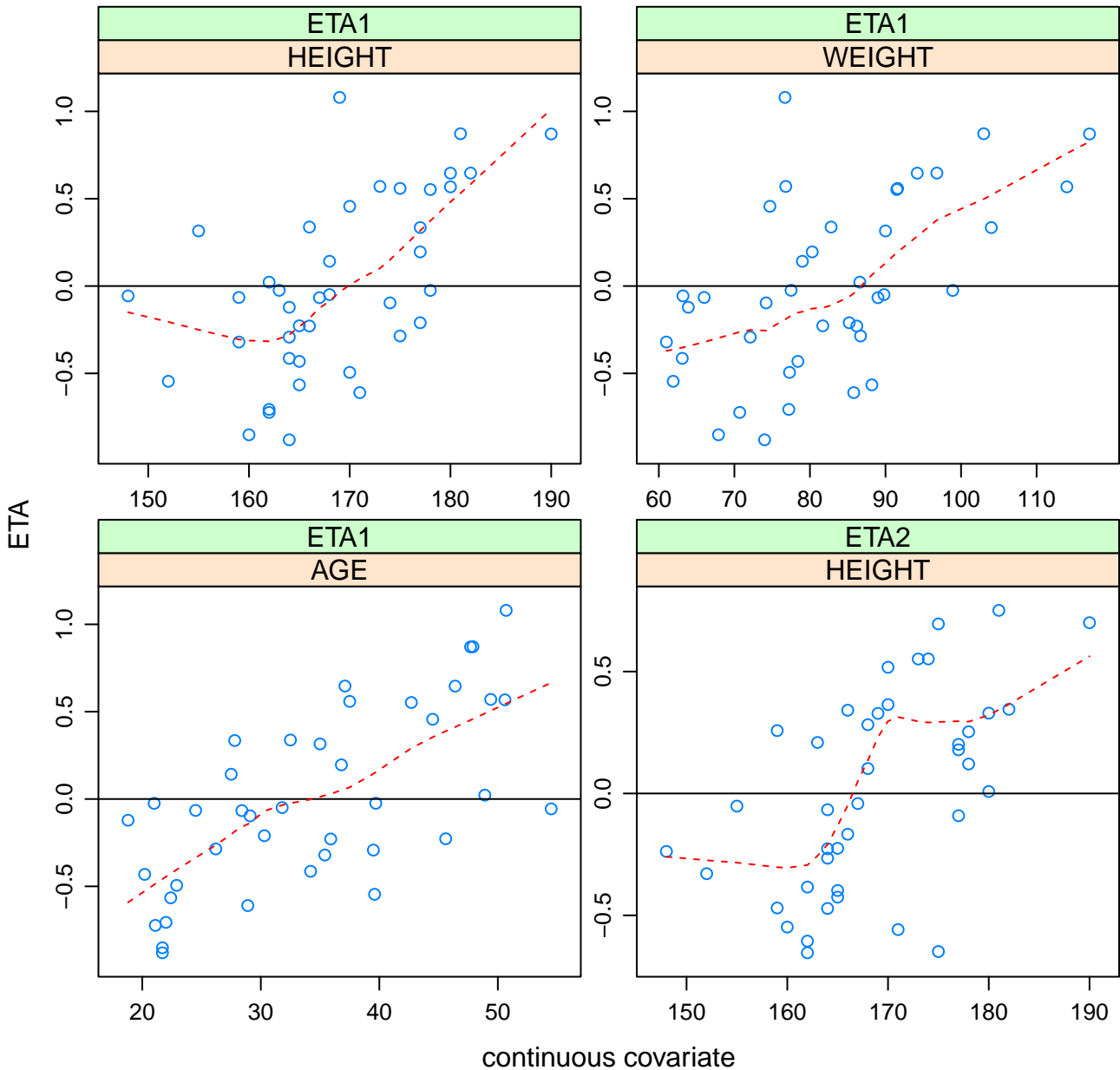
Density of Etas



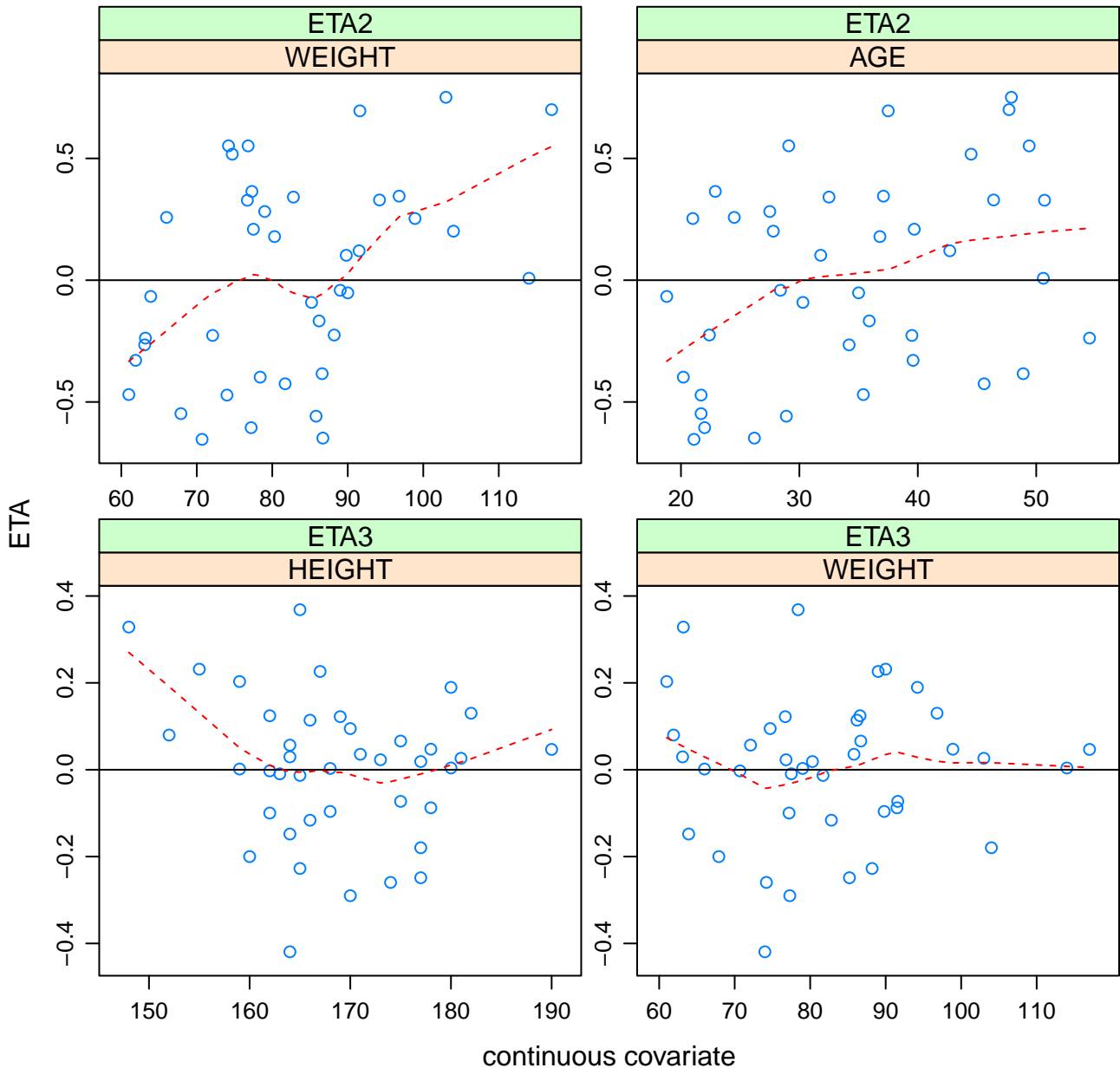
Boxplots of Etas by Categorical Covariate



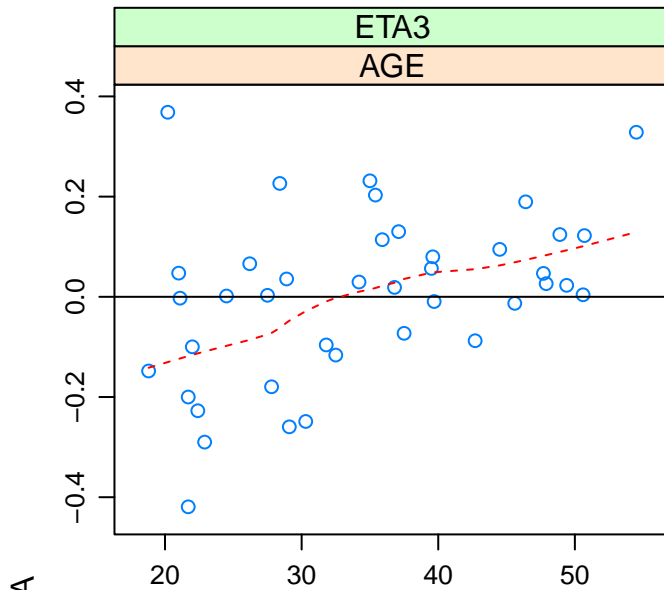
Etas vs. Continuous Covariates



Etas vs. Continuous Covariates

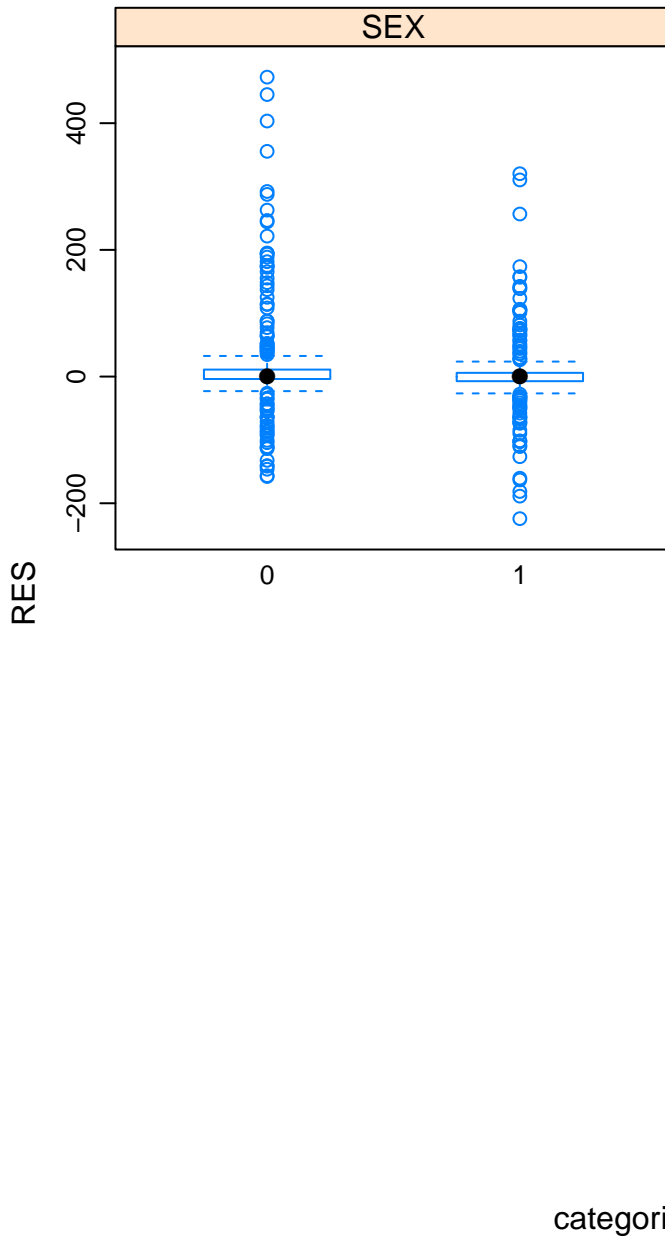


Etas vs. Continuous Covariates

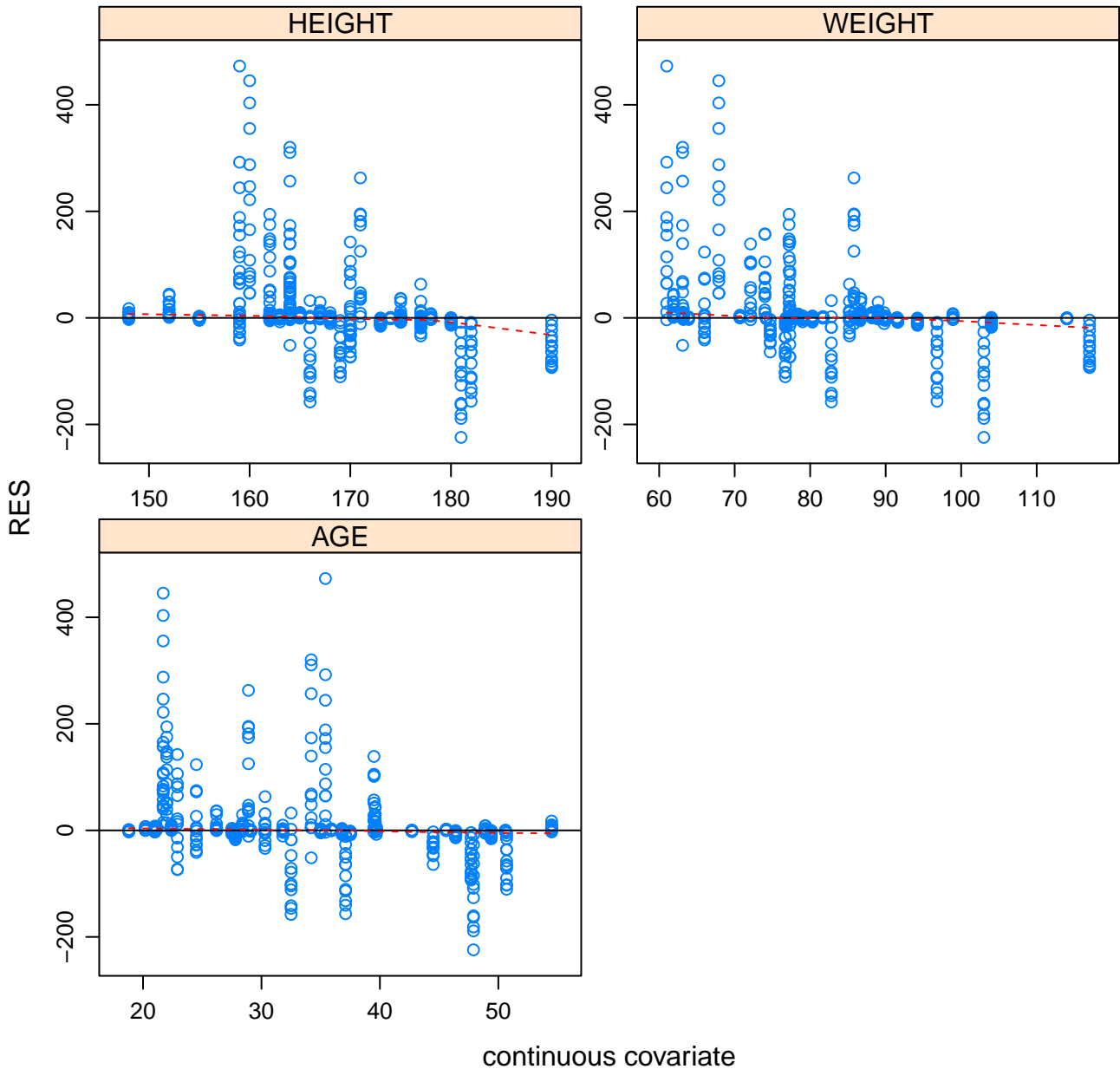


continuous covariate

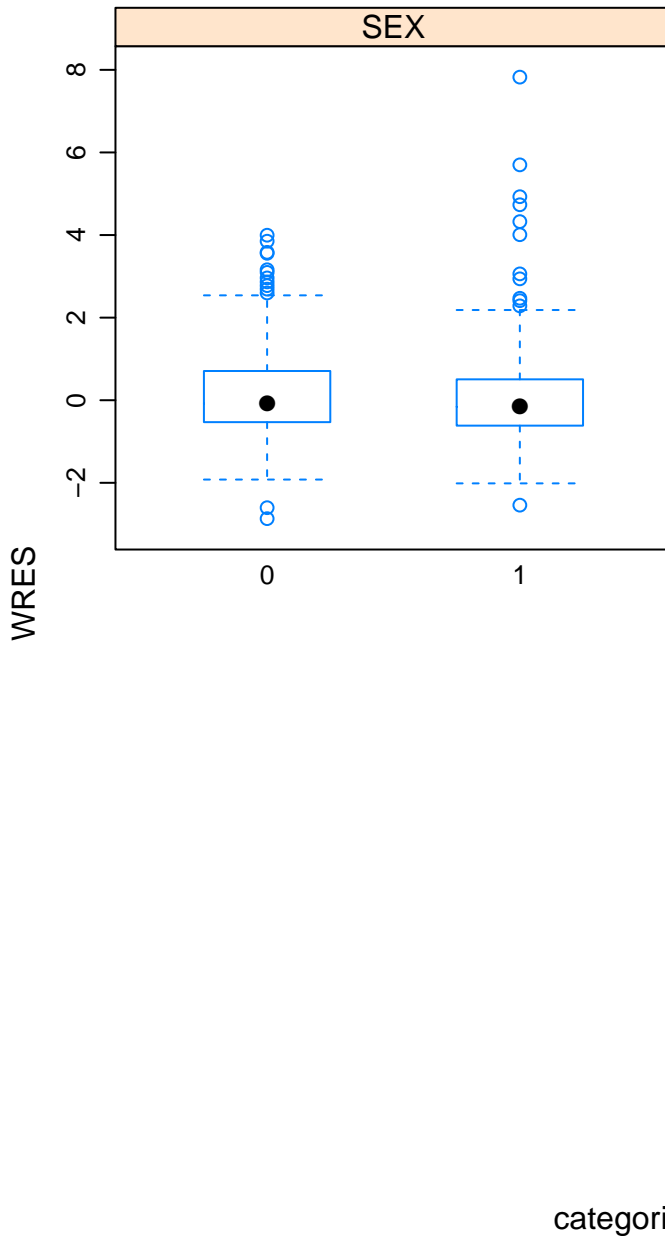
RES vs. Categorical Covariates



RES vs. Continuous Covariates



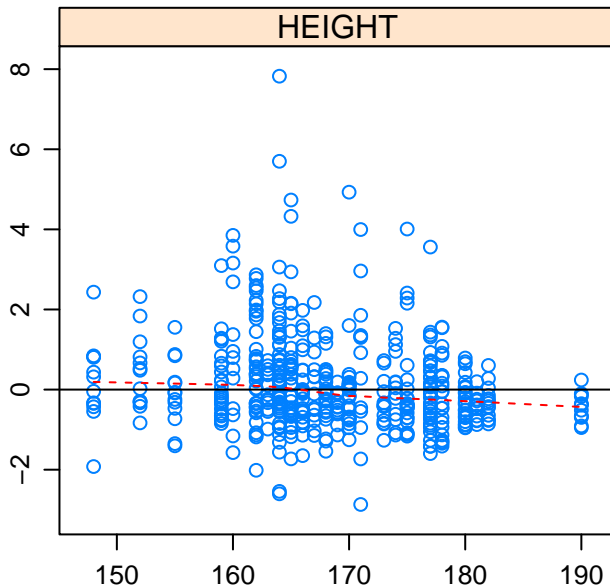
WRES vs. Categorical Covariates



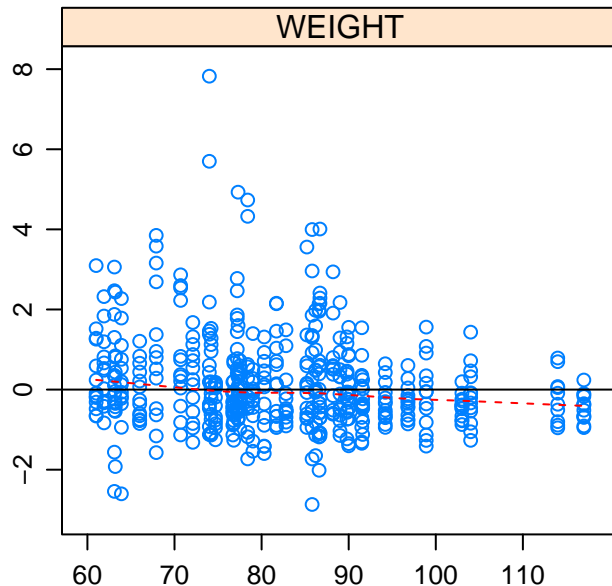
WRES vs. Continuous Covariates

WRES

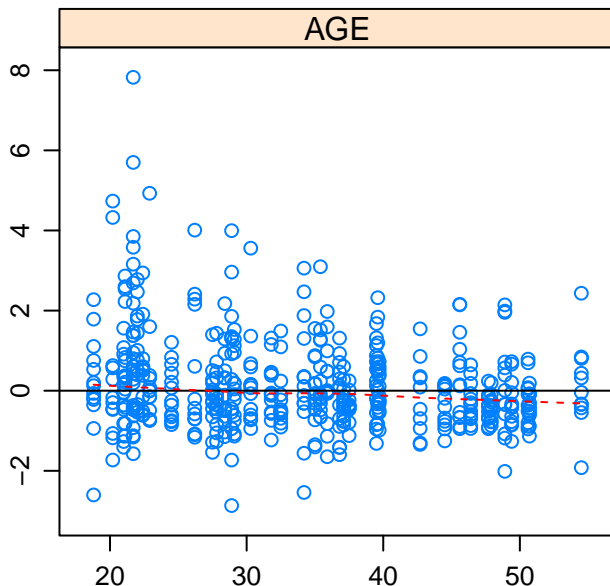
HEIGHT



WEIGHT

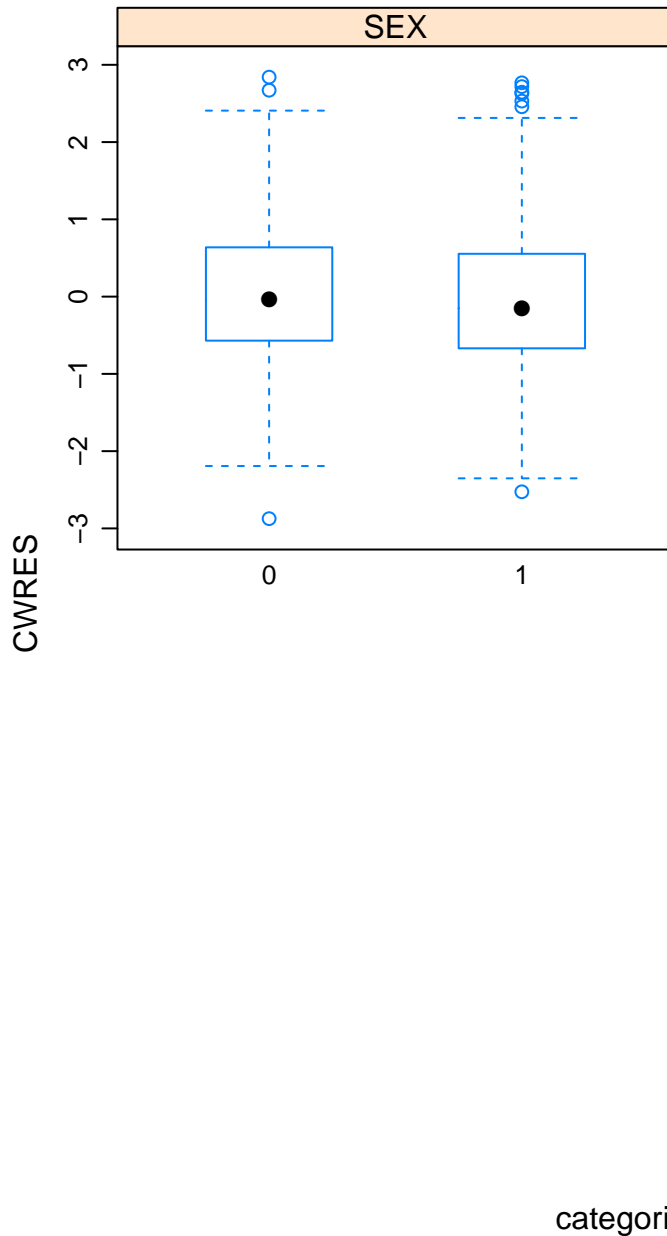


AGE

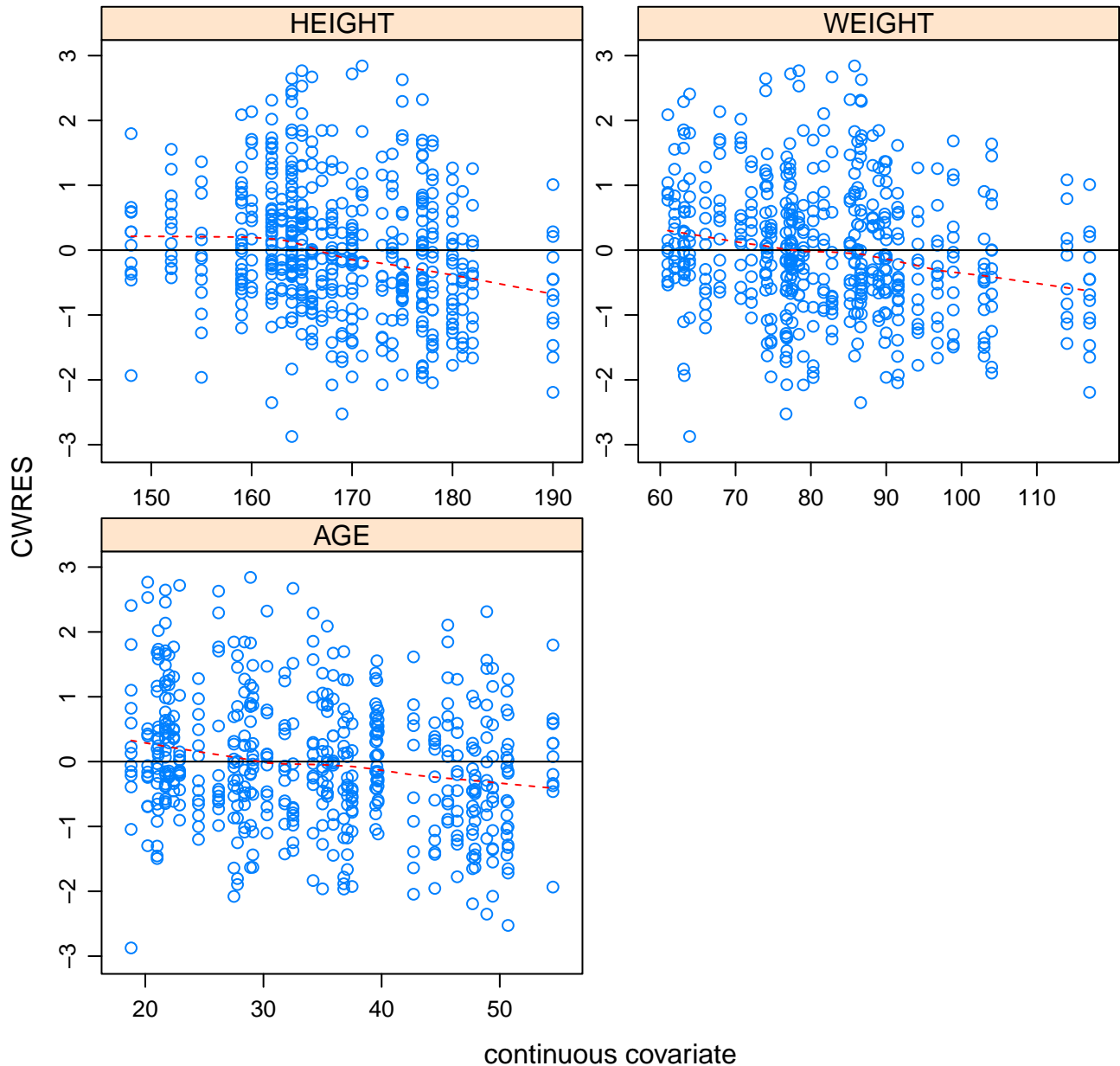


continuous covariate

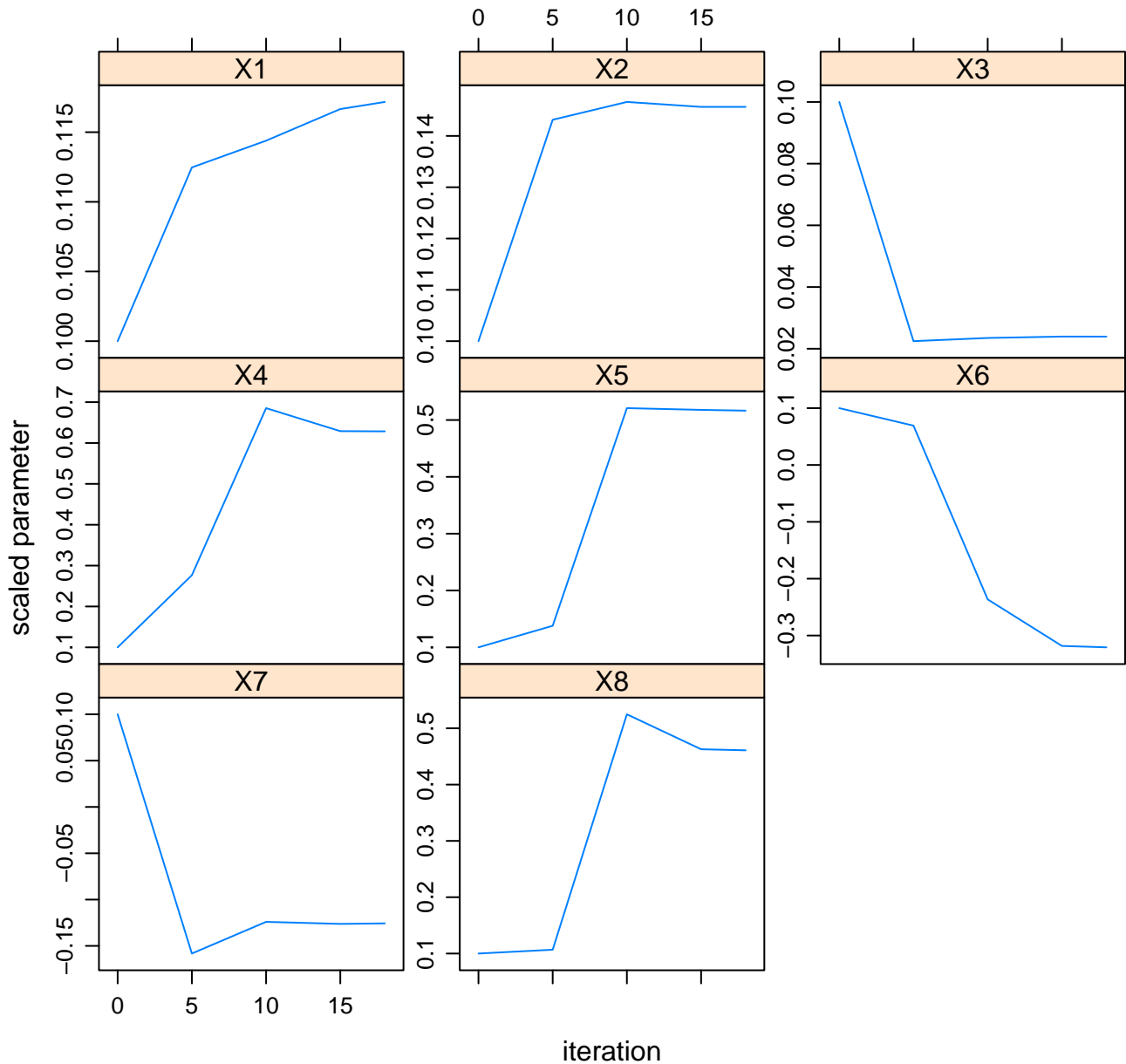
CWRES vs. Categorical Covariates



CWRES vs. Continuous Covariates



Model 1001 parameter search



Model 1001 gradient search

