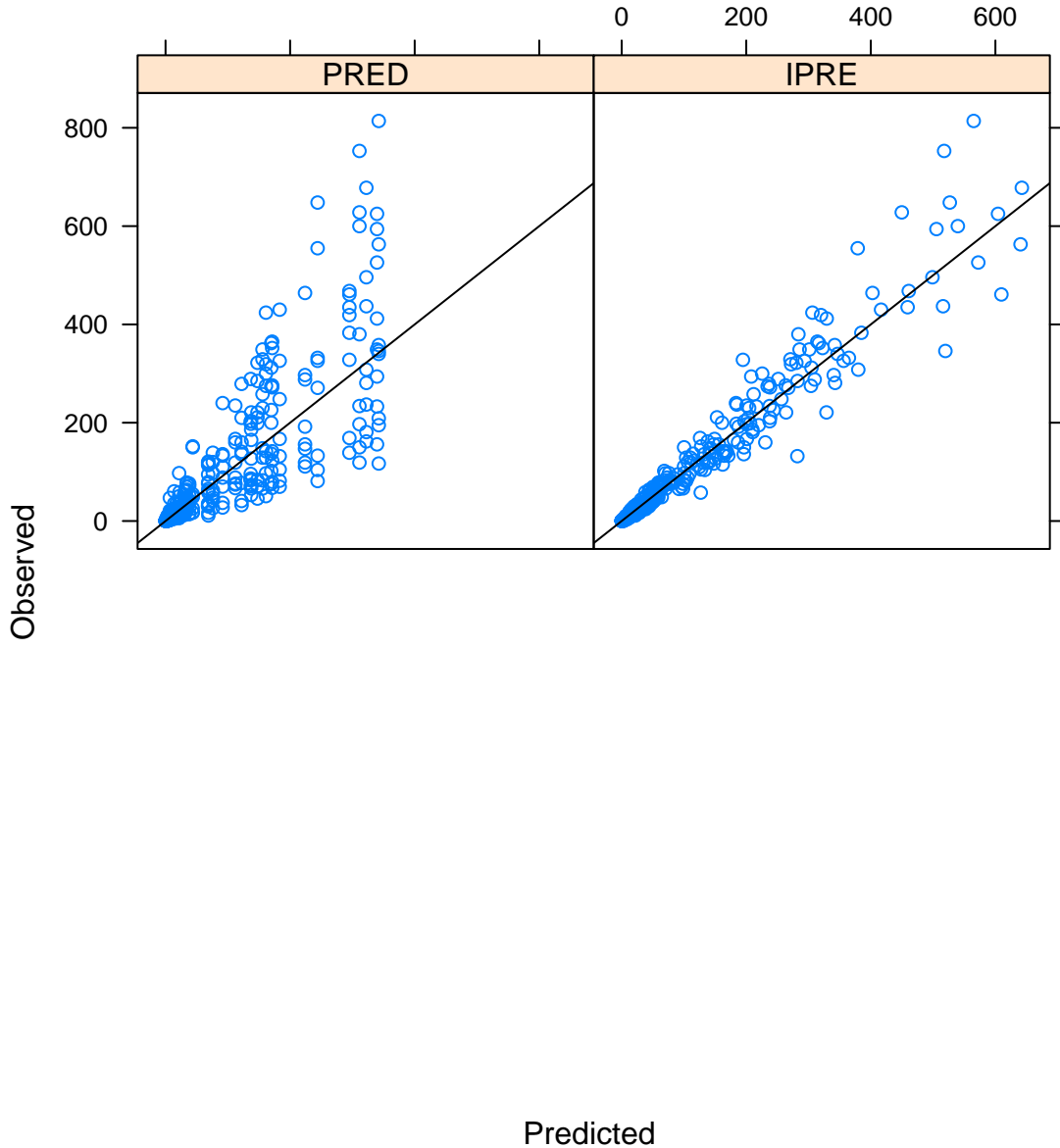


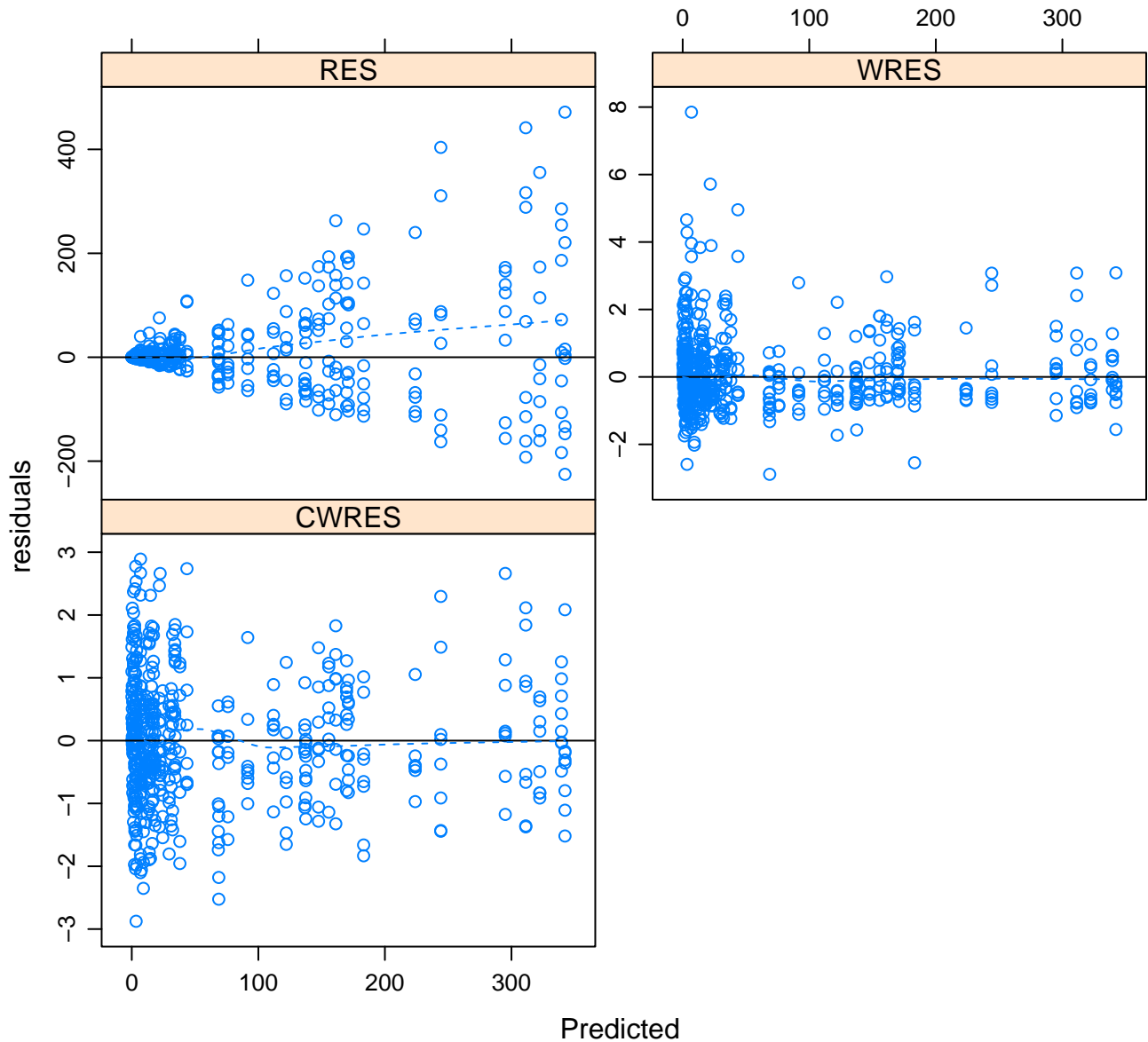
Model 1002

Observed vs. Predicted for all data



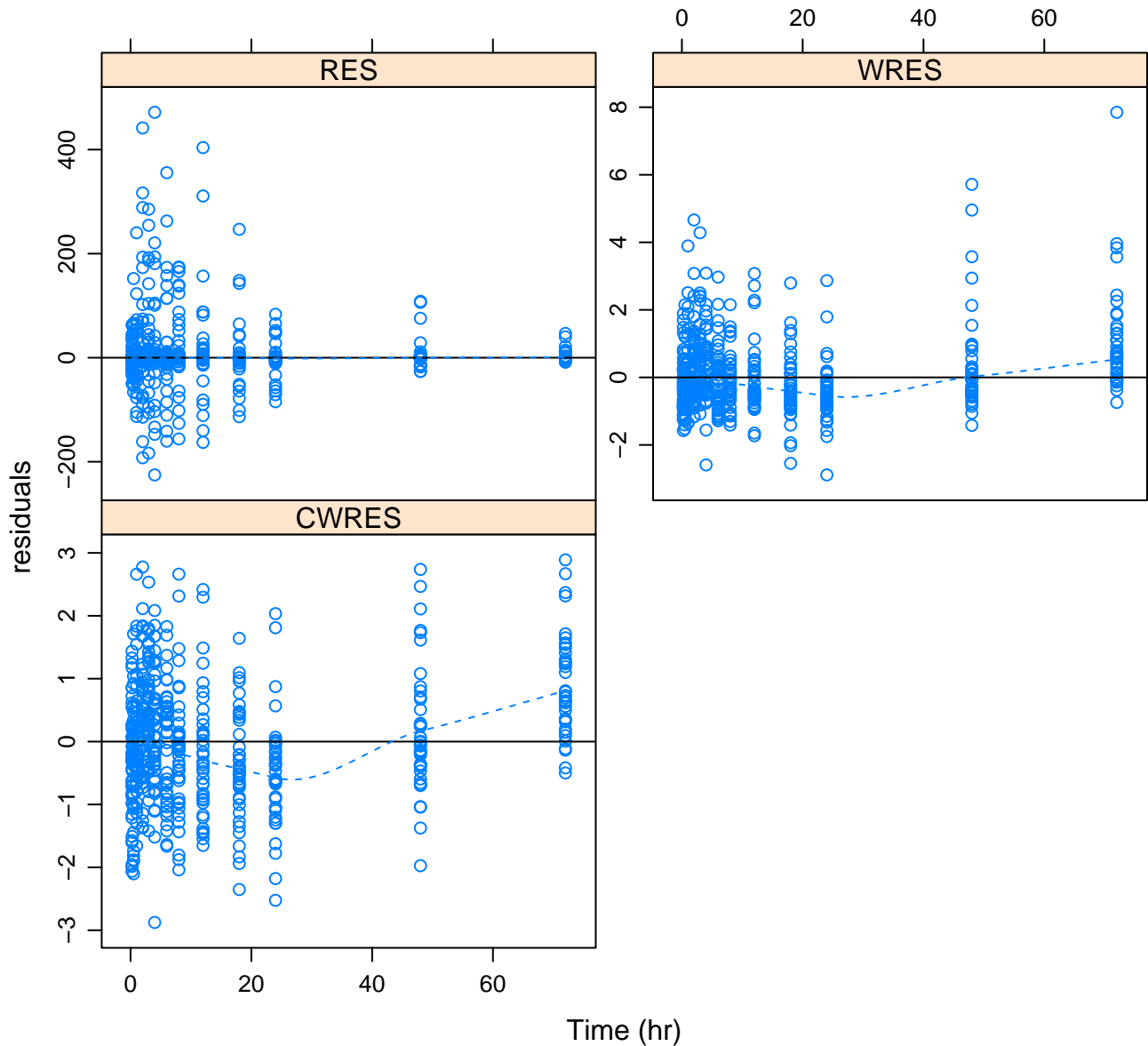
Model 1002

Residuals vs. Predicted for all data



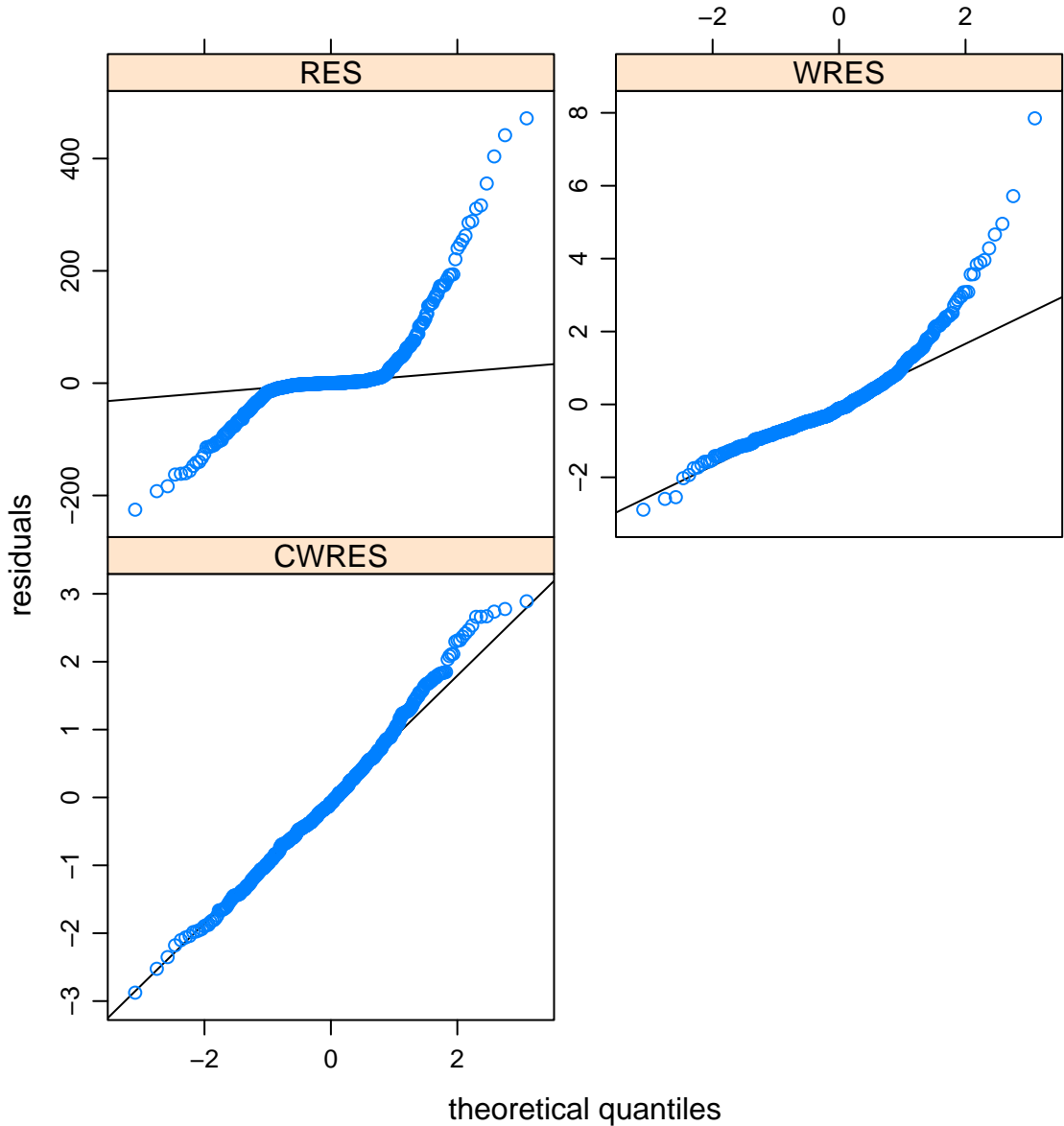
Model 1002

Residuals vs. Time for all data



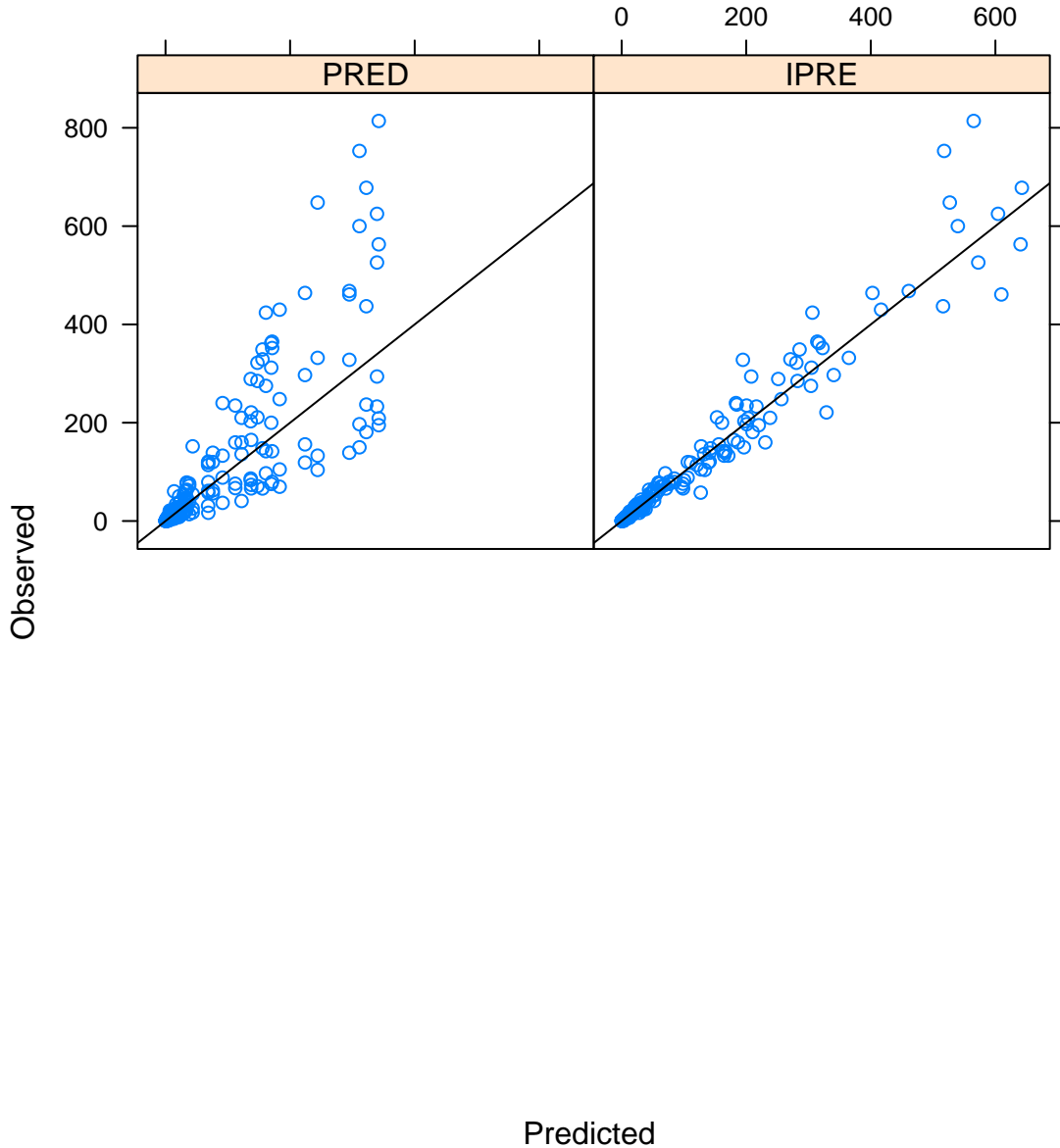
Model 1002

Normal Q-Q Plot Residuals for all data



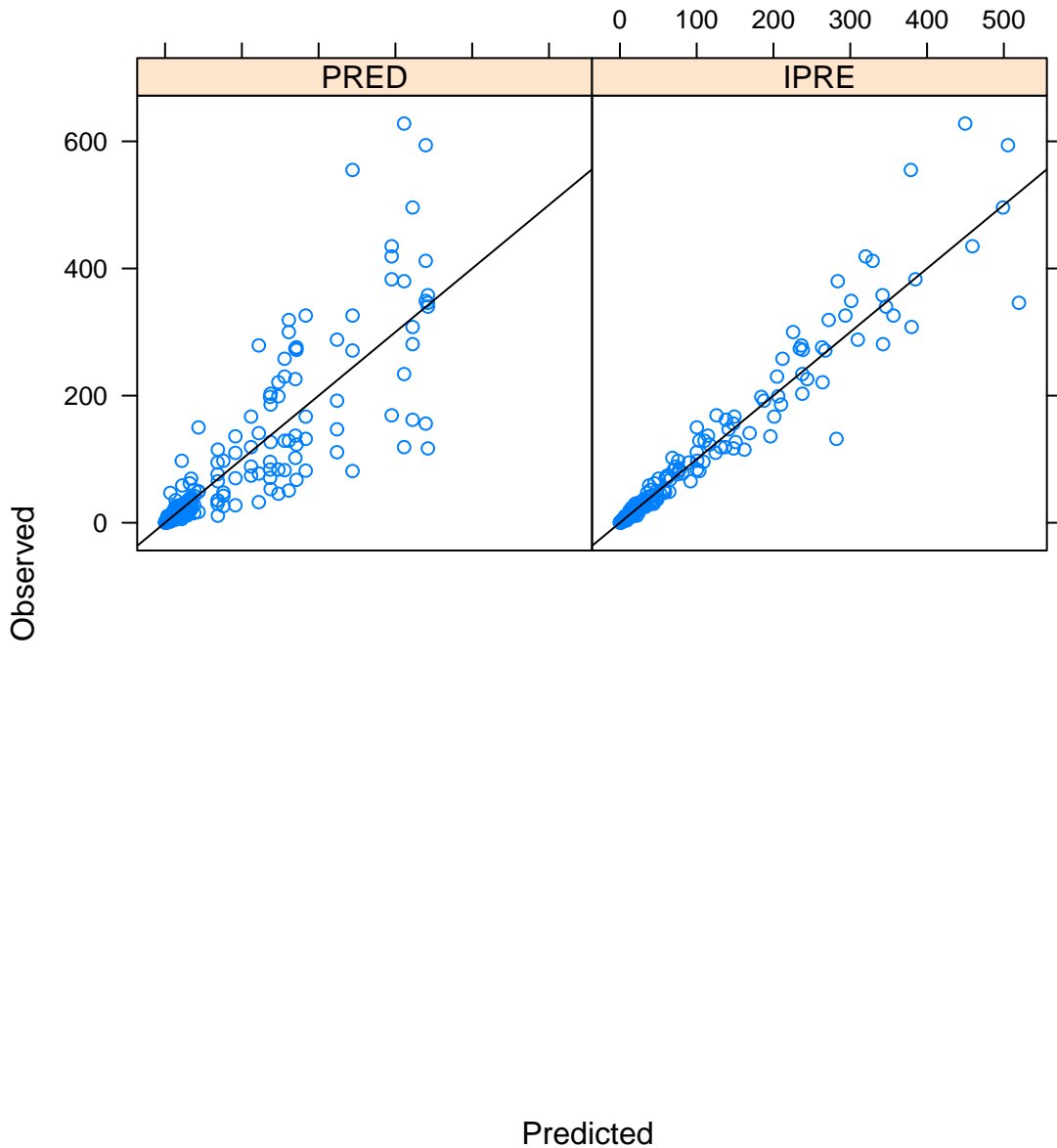
Model 1002

Observed vs. Predicted for female data



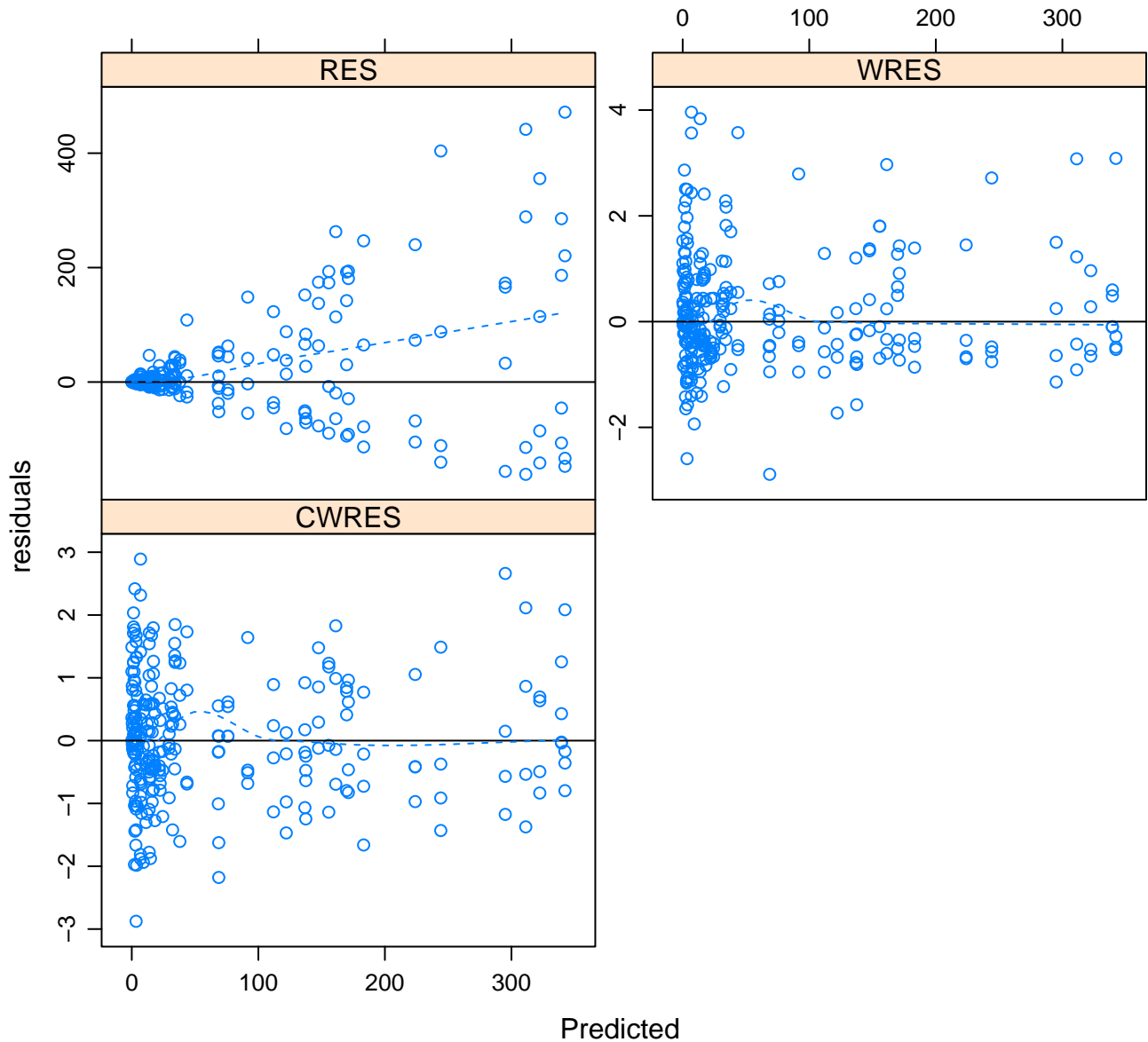
Model 1002

Observed vs. Predicted for male data



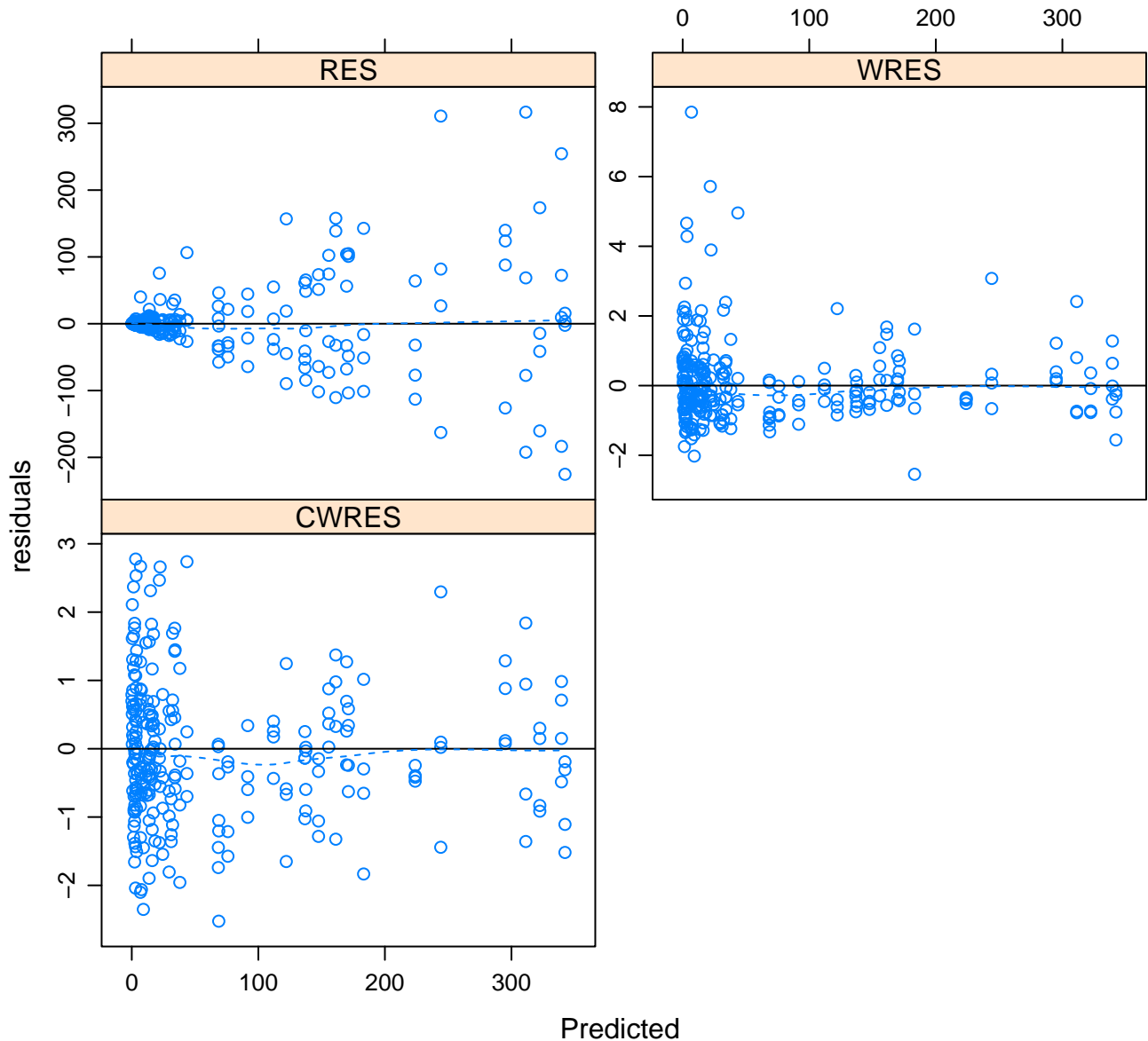
Model 1002

Residuals vs. Predicted for female data



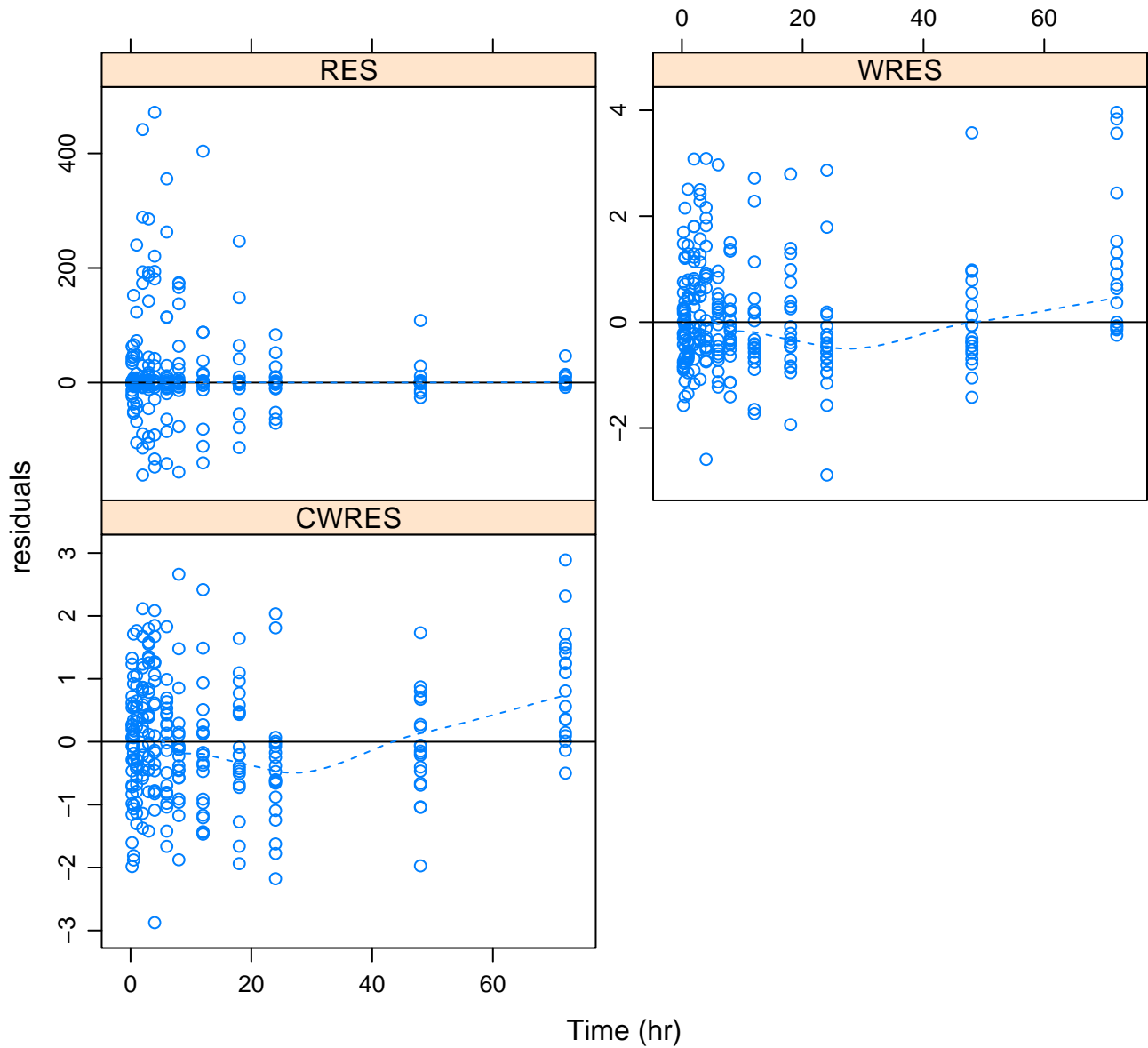
Model 1002

Residuals vs. Predicted for male data



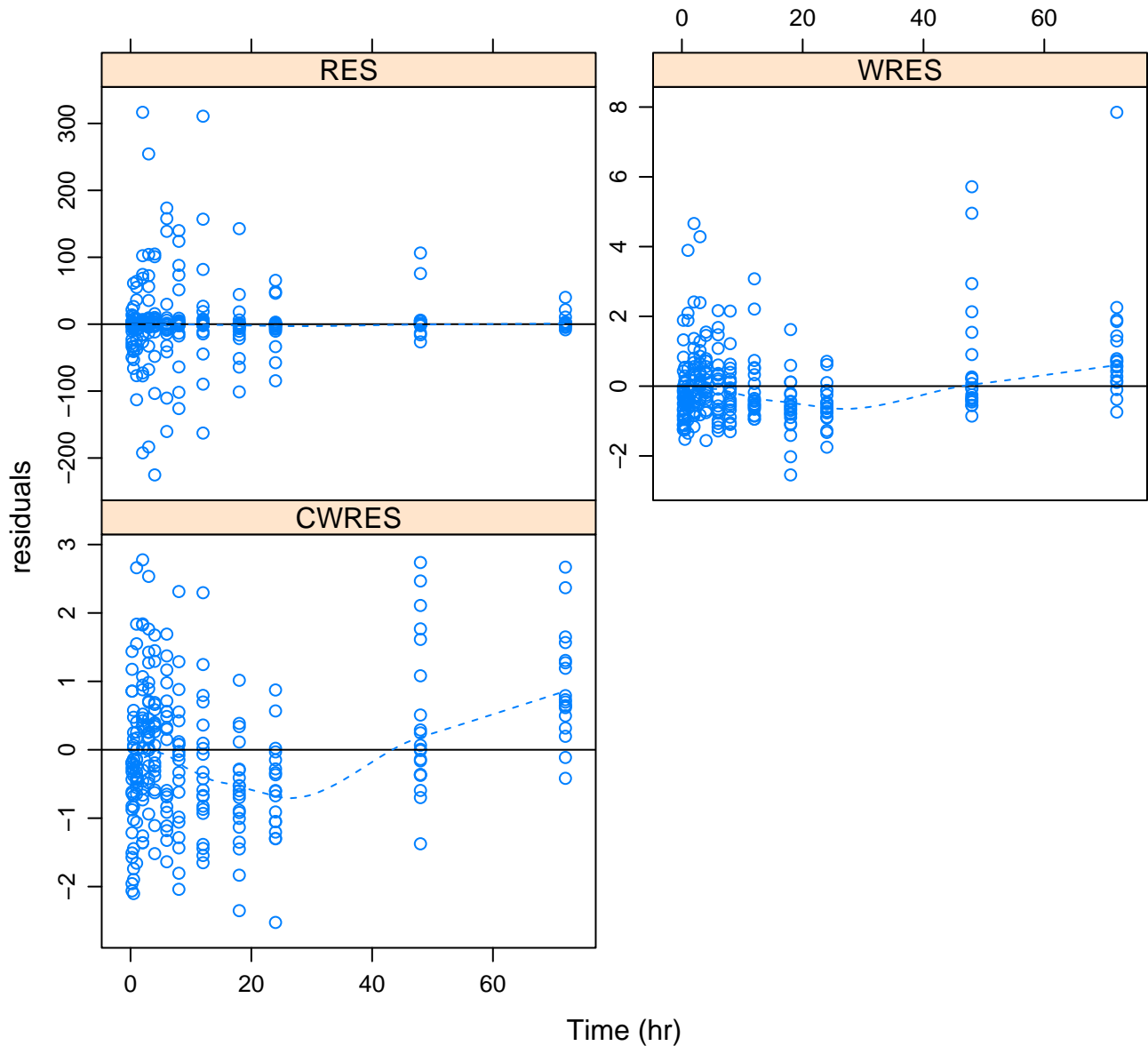
Model 1002

Residuals vs. Time for female data



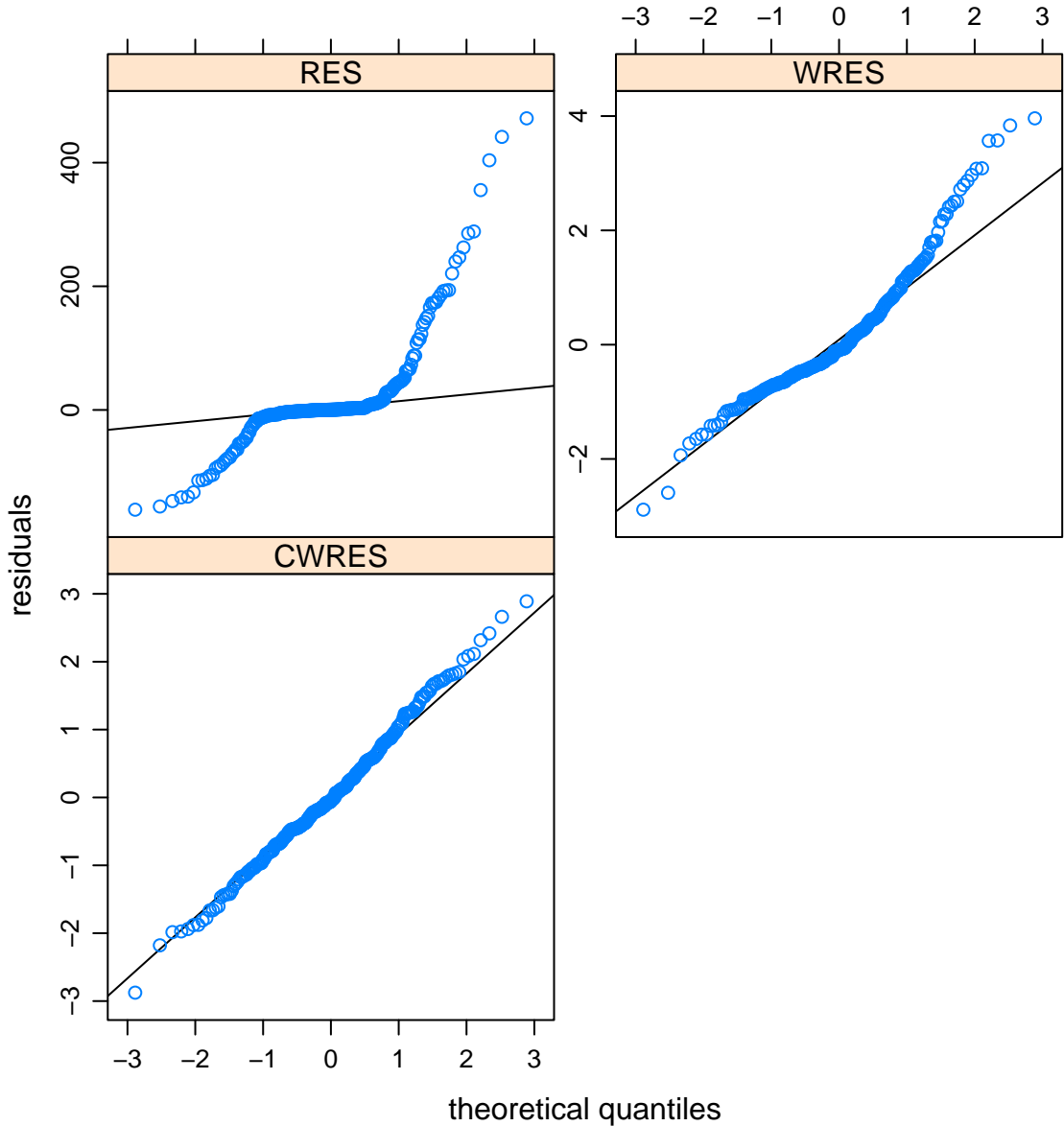
Model 1002

Residuals vs. Time for male data



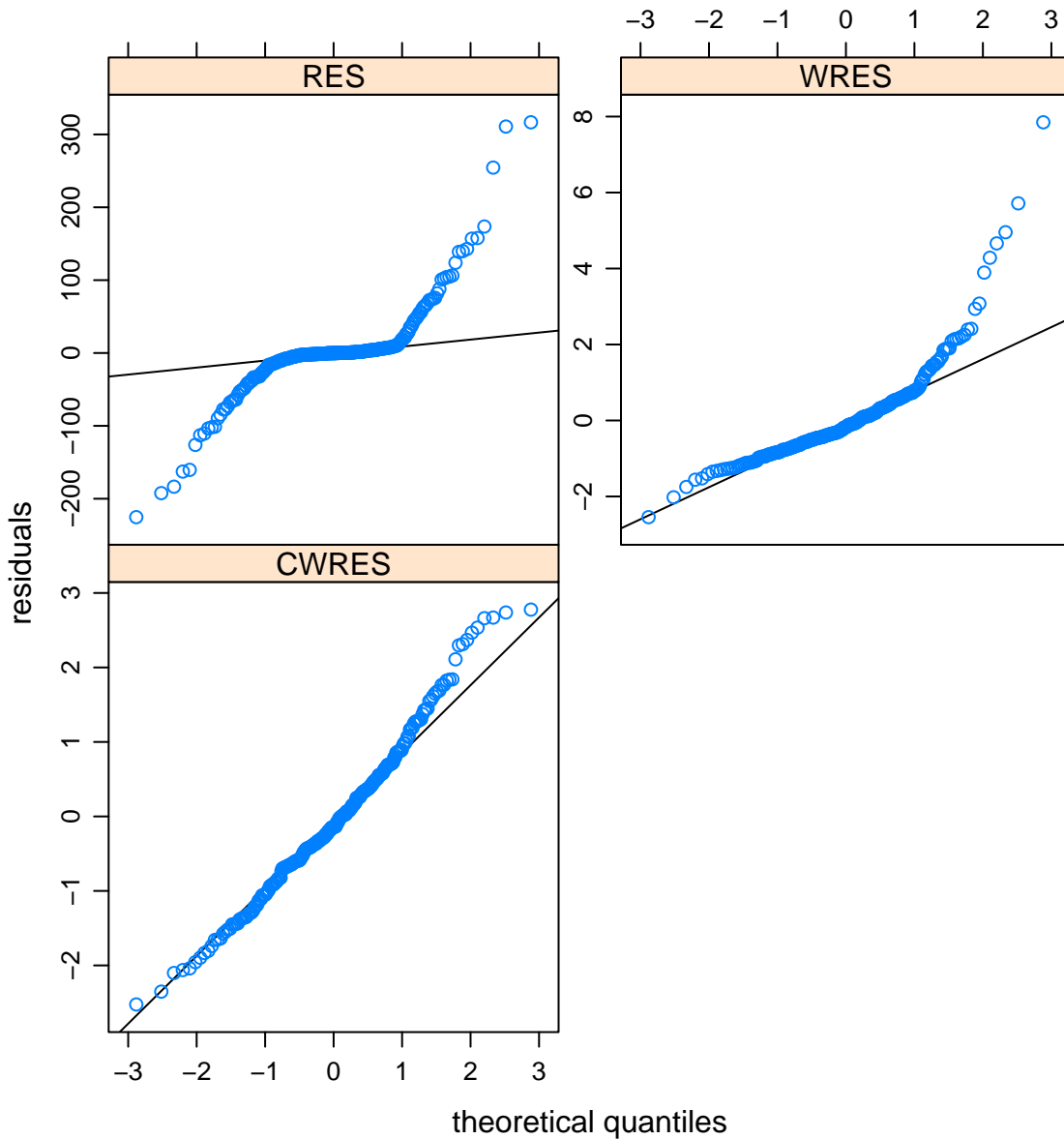
Model 1002

Normal Q-Q Plot Residuals for female data



Model 1002

Normal Q-Q Plot Residuals for male data



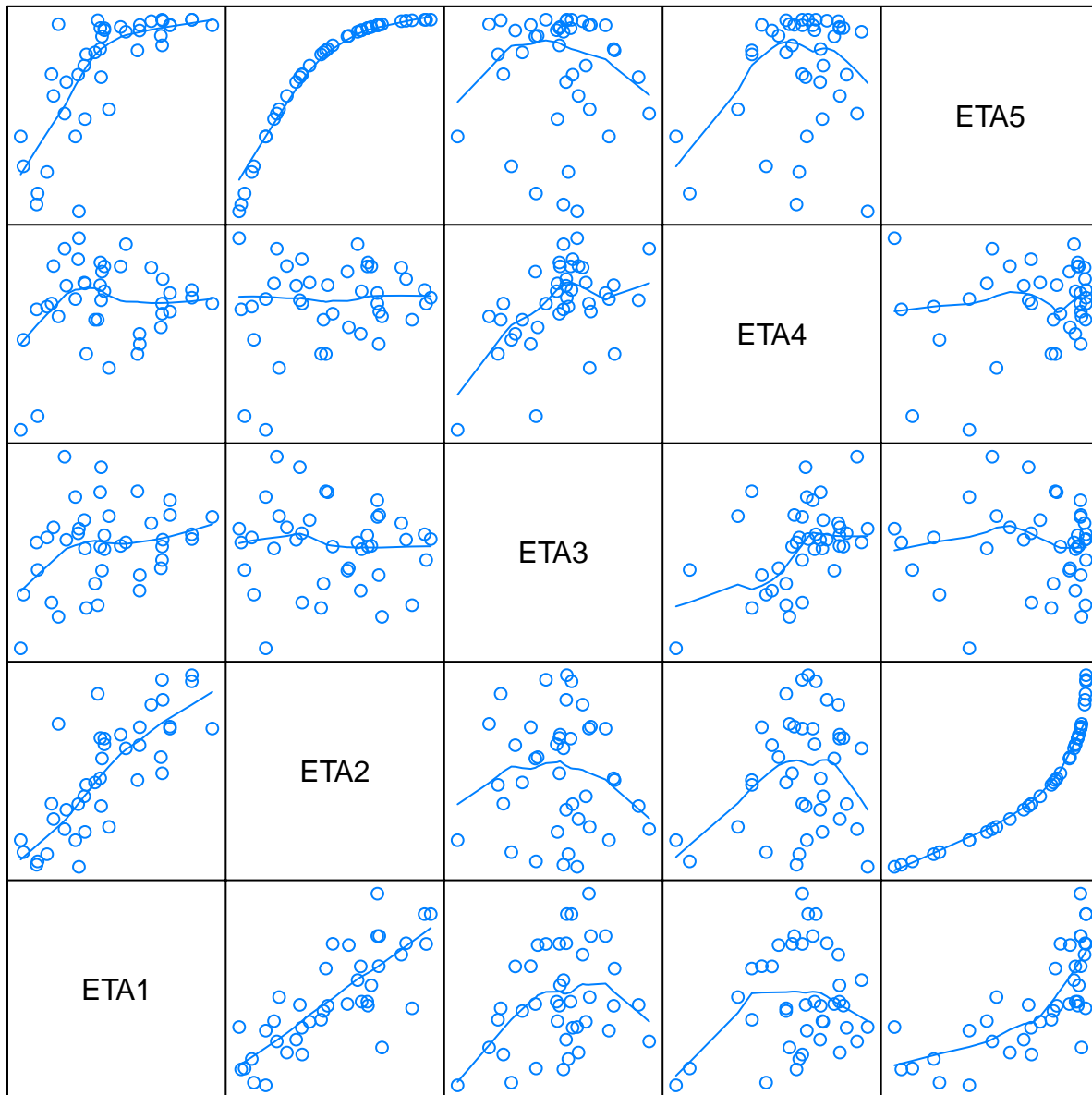
Covariate Scatterplots



Continuous Covariates vs. Categorical Covariates



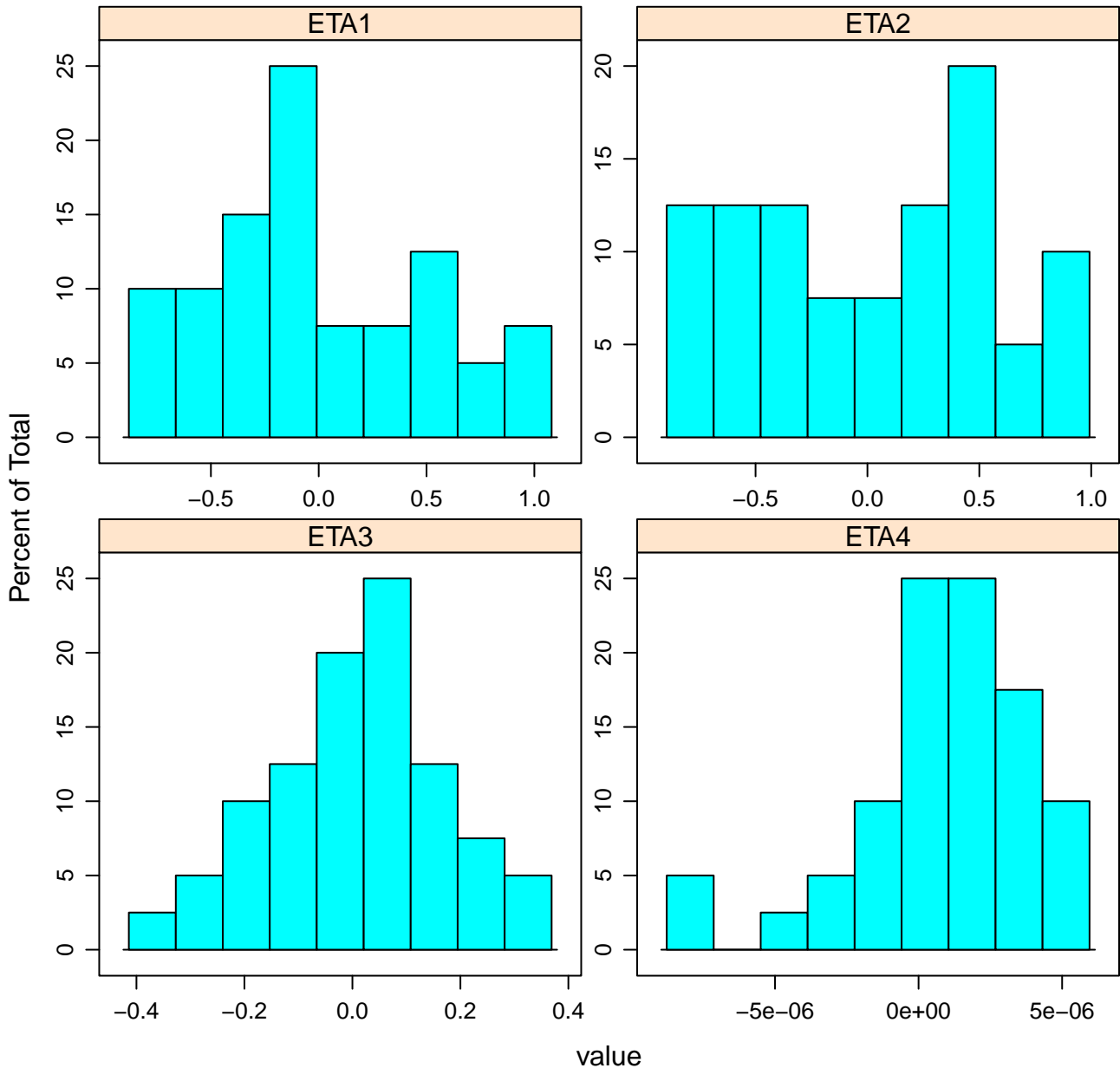
ETA Scatterplots



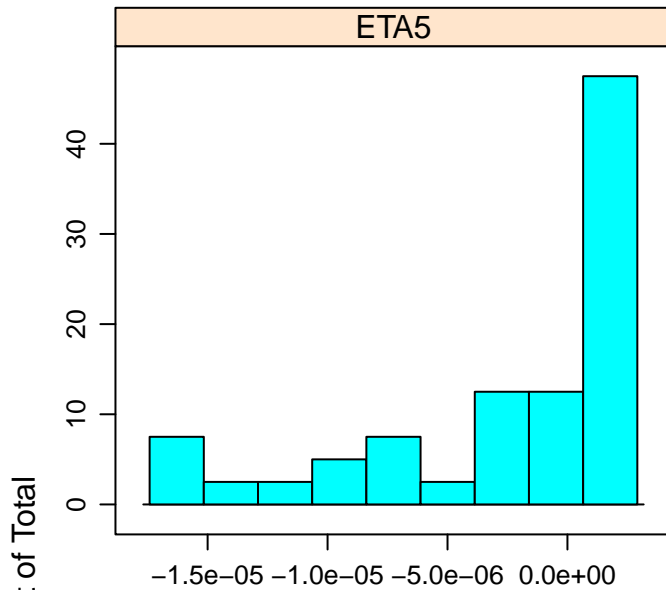
Parameter Scatterplots



Histograms of Etas

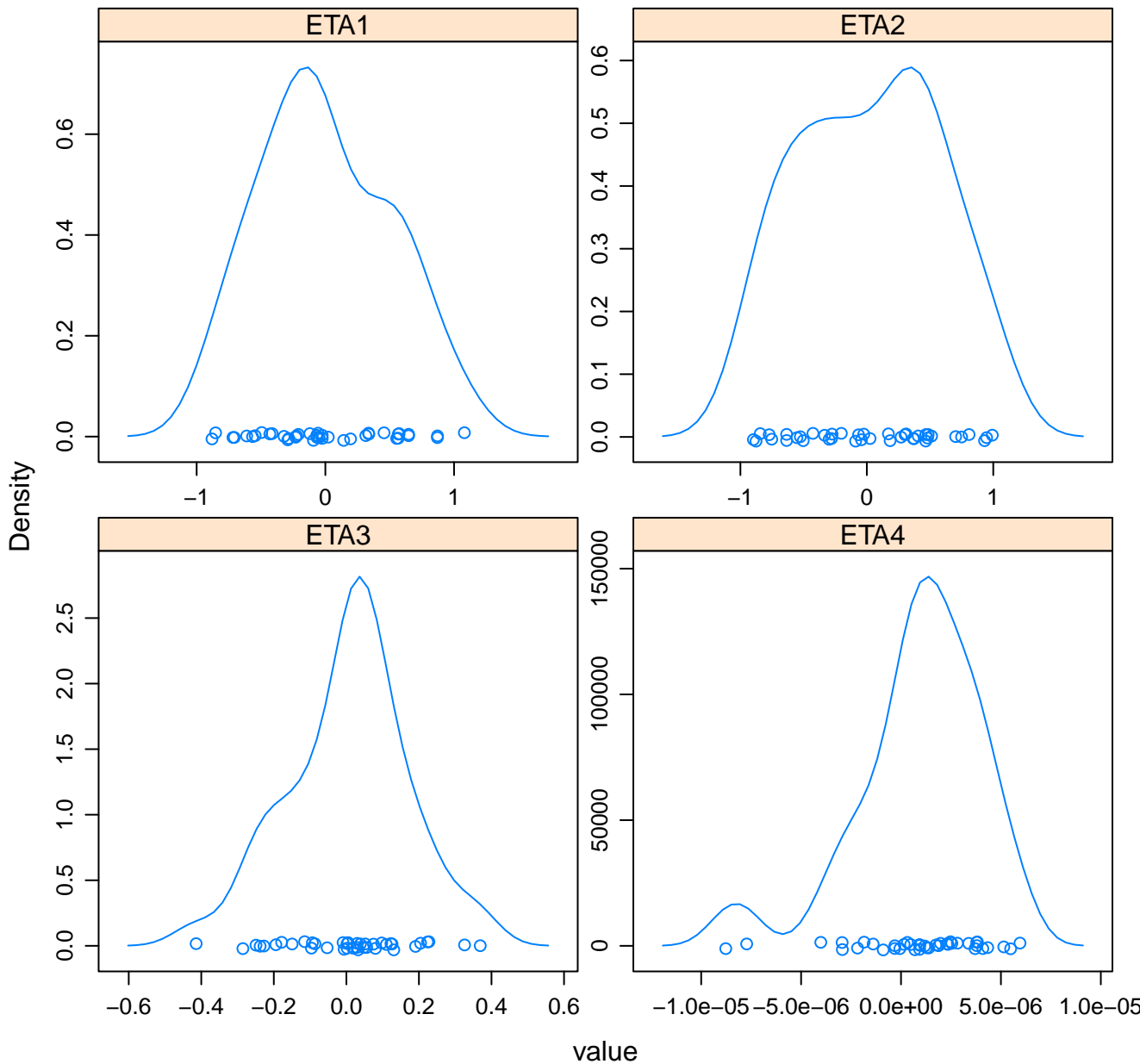


Histograms of Etas

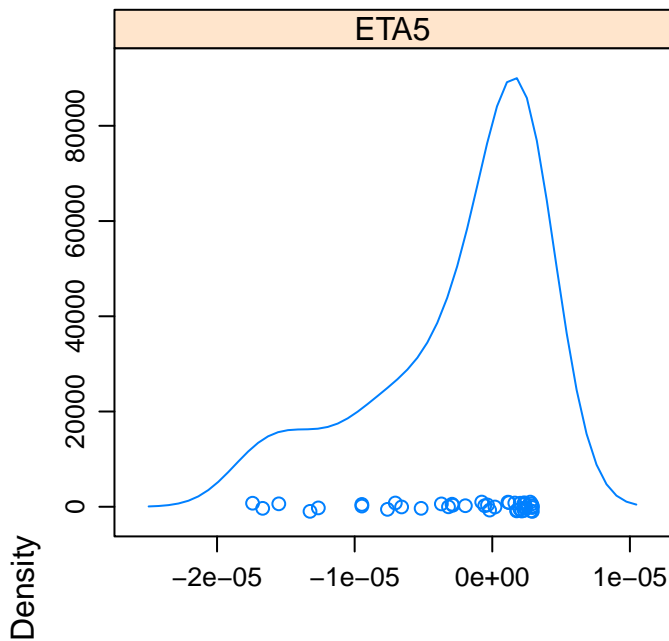


value

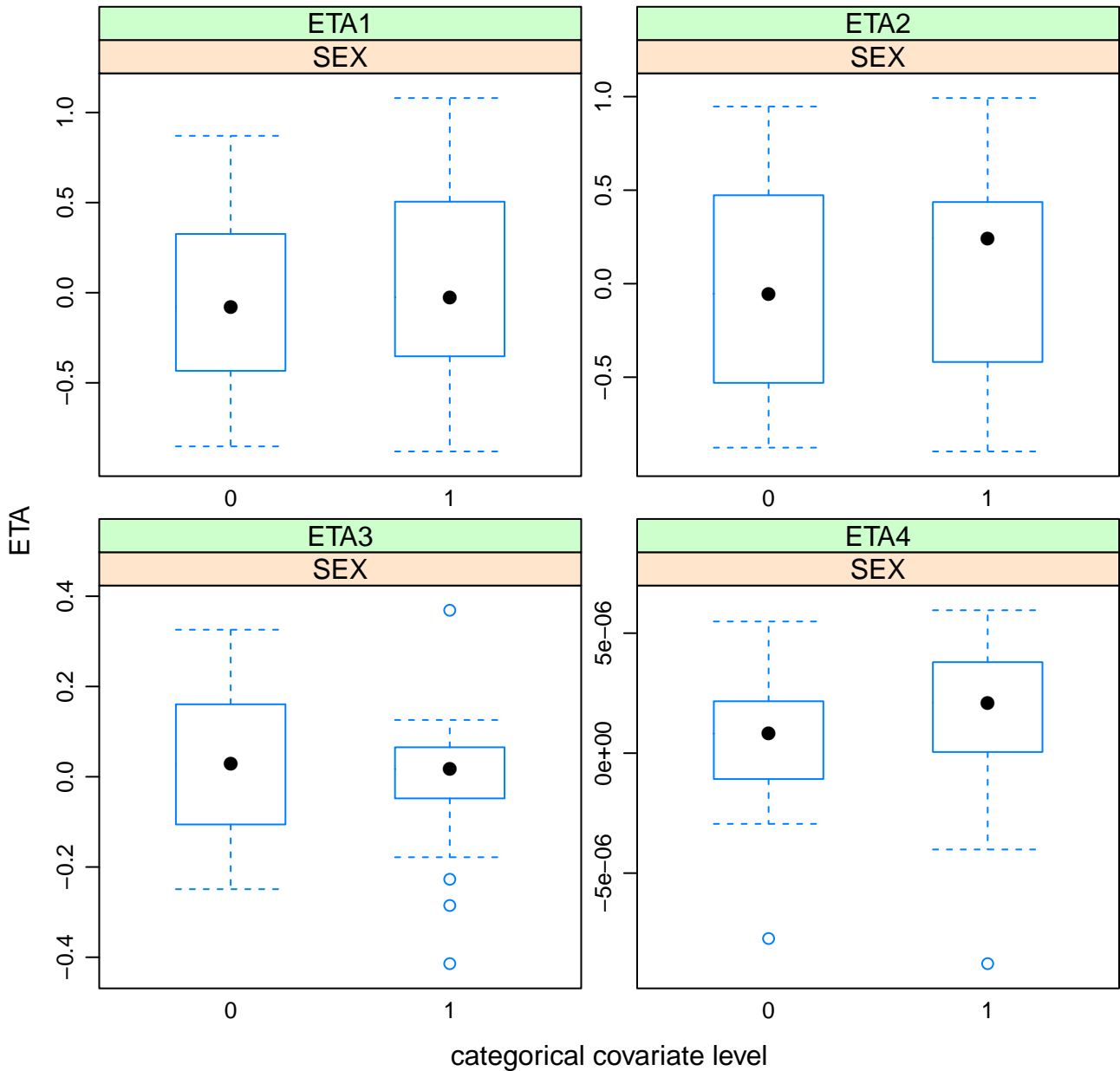
Density of Etas



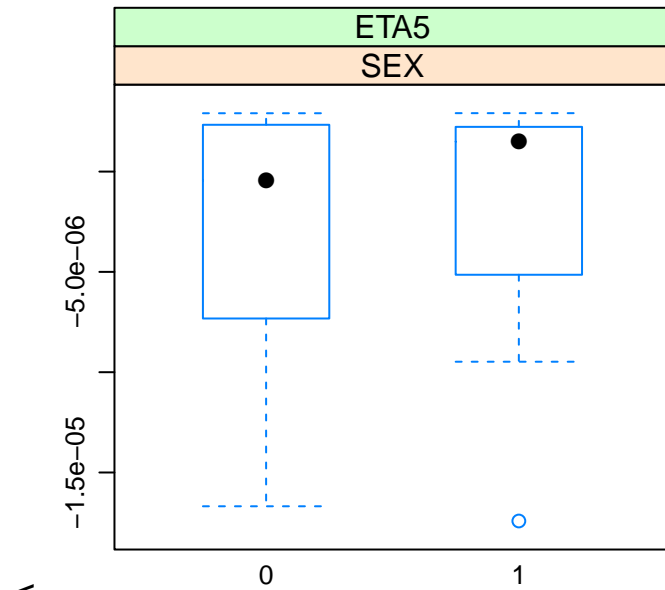
Density of Etas



Boxplots of Etas by Categorical Covariate

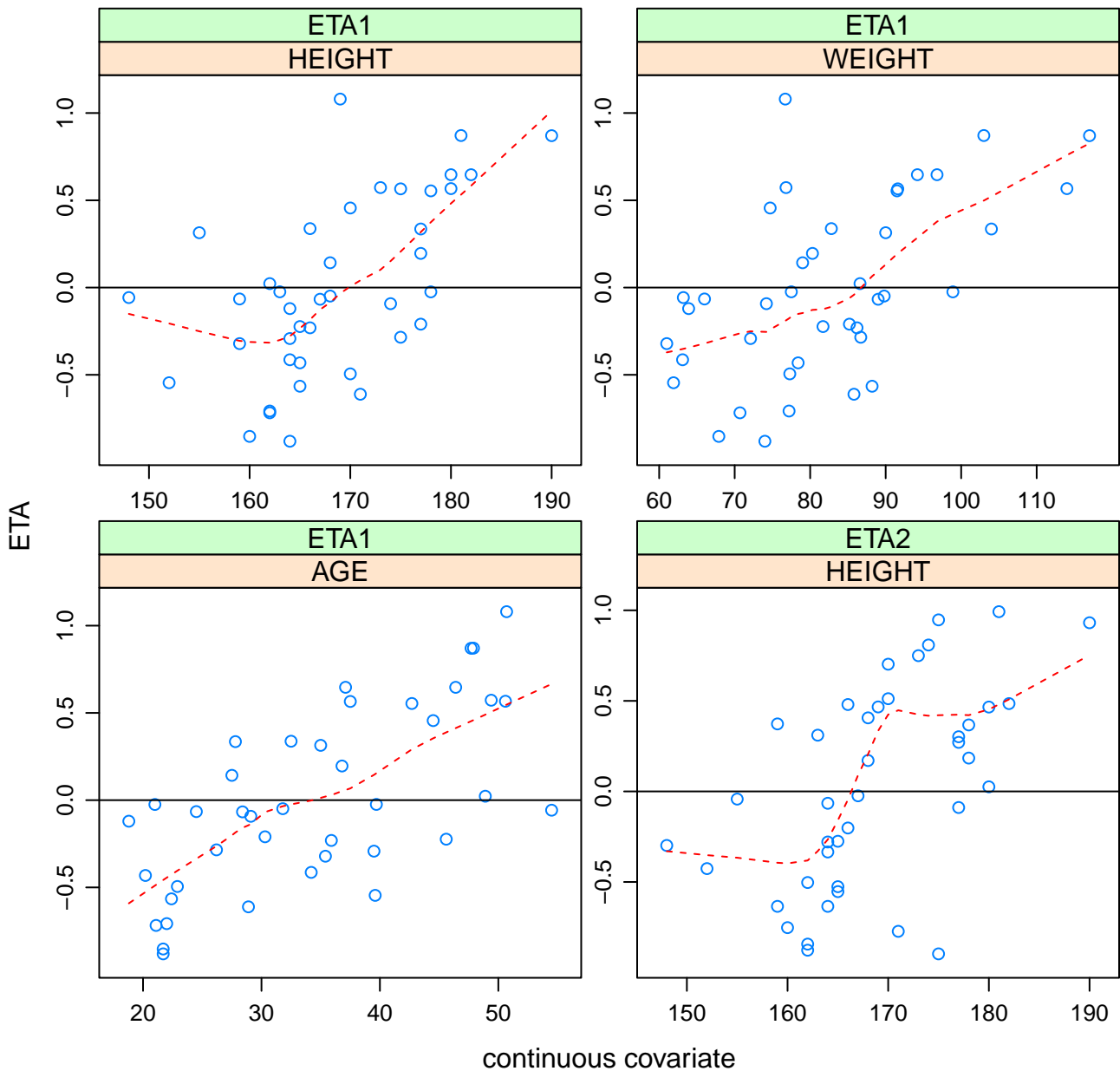


Boxplots of Etas by Categorical Covariate

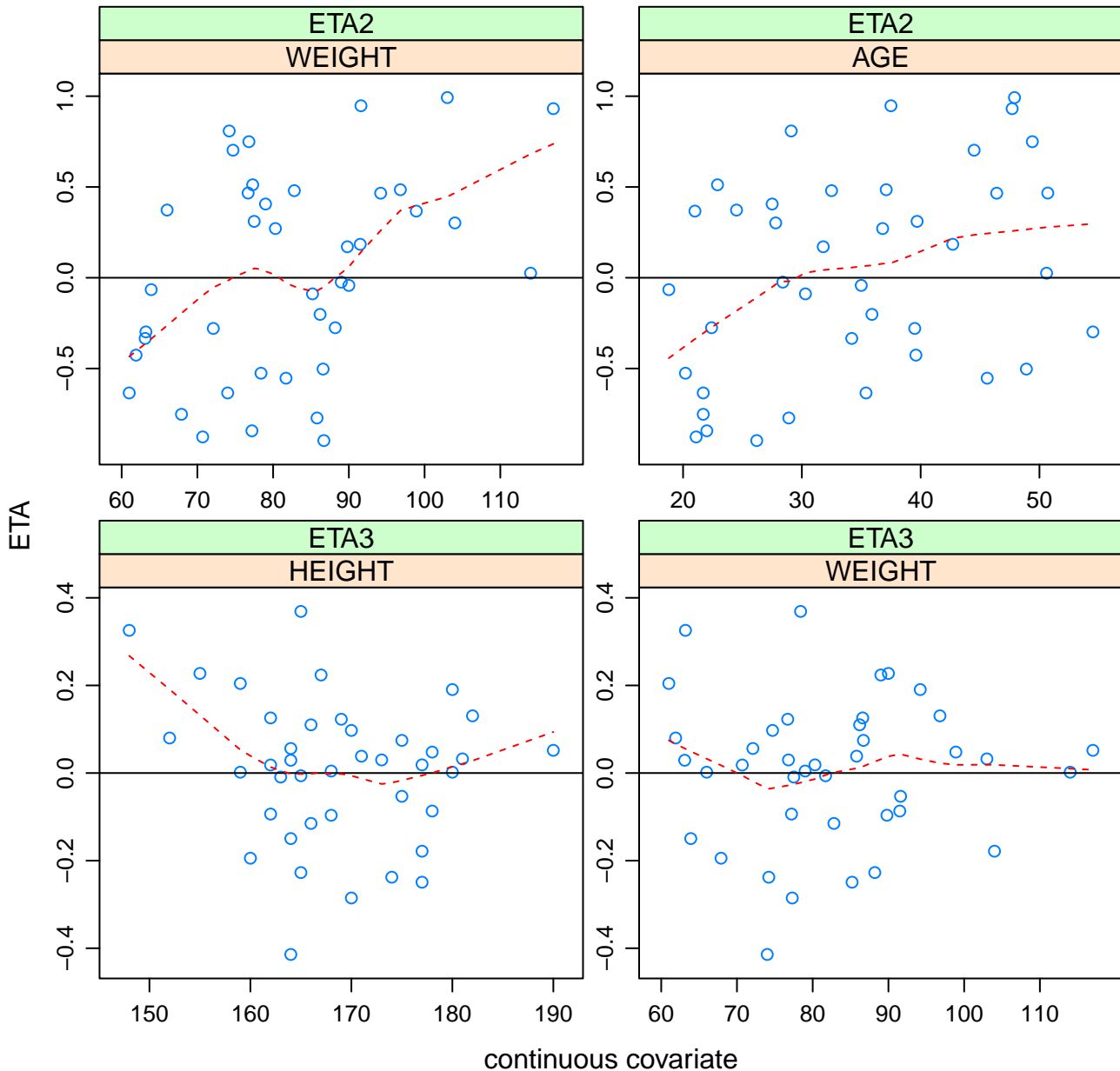


categorical covariate level

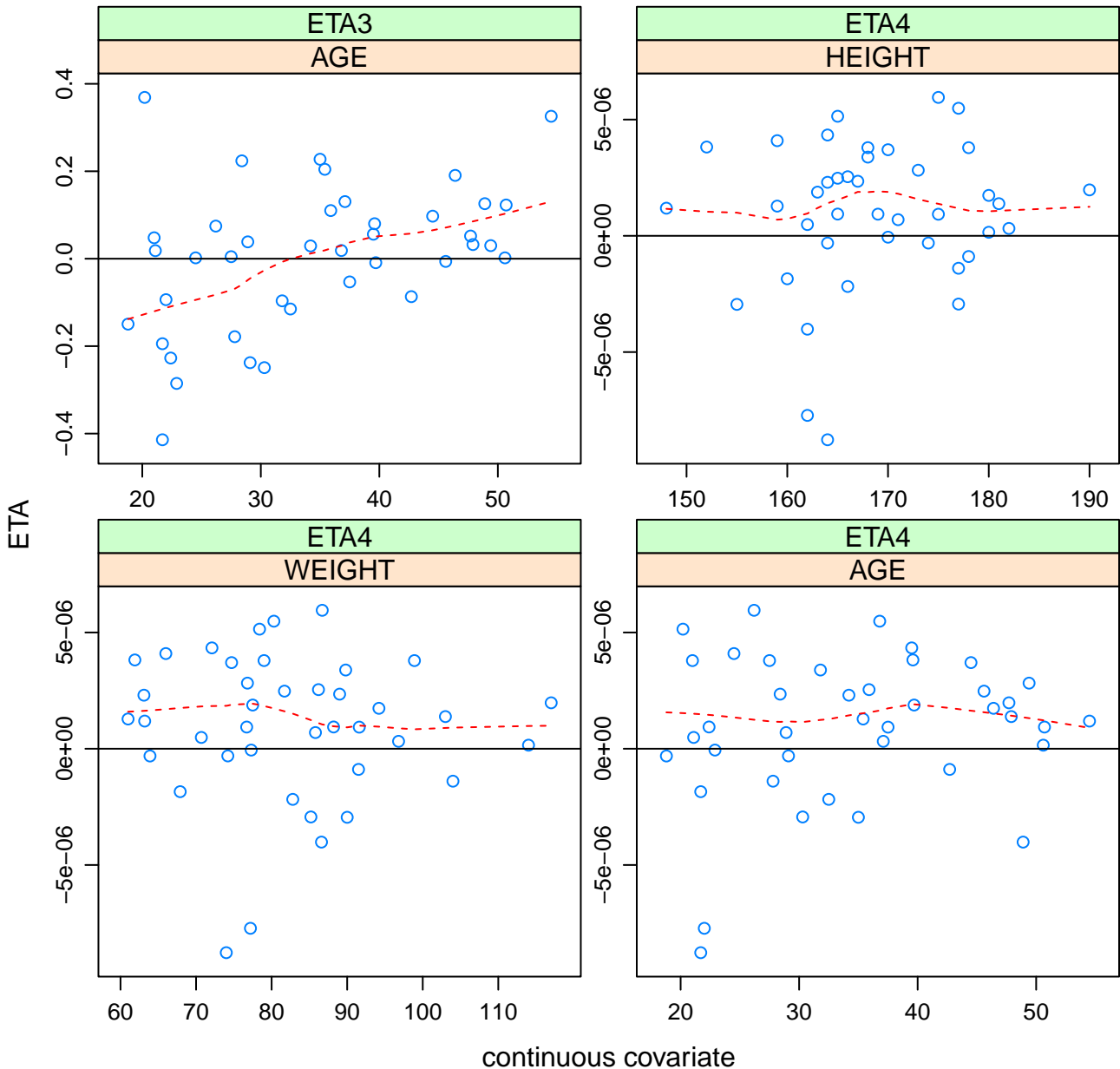
Etas vs. Continuous Covariates



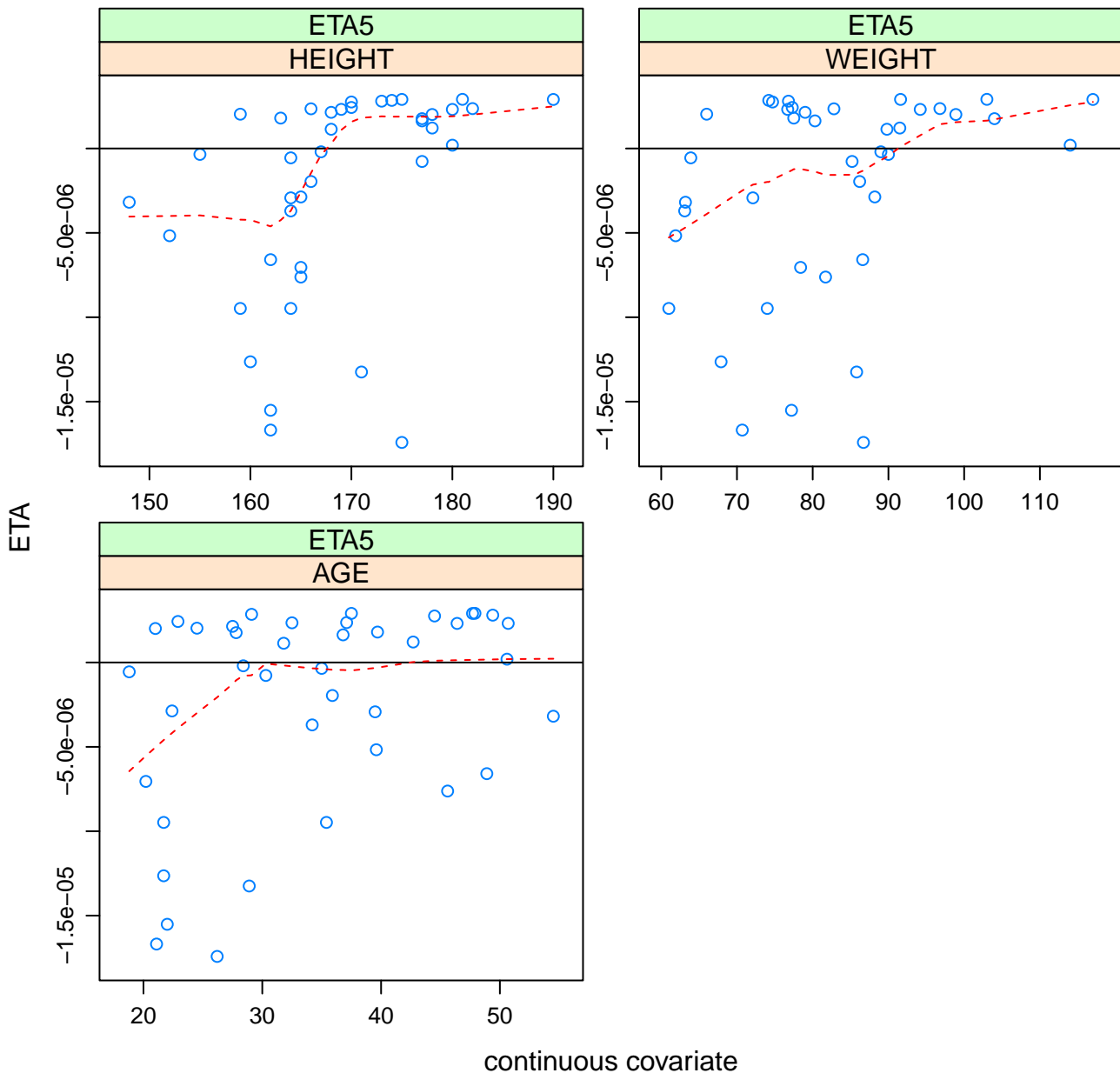
Etas vs. Continuous Covariates



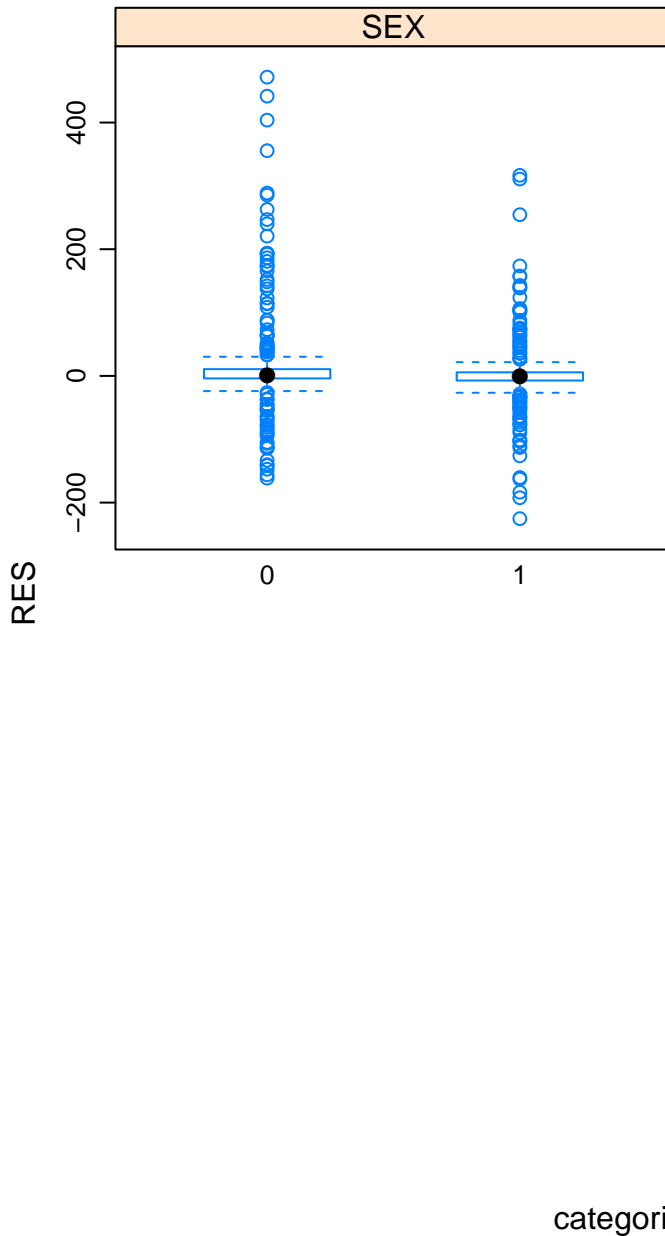
Etas vs. Continuous Covariates



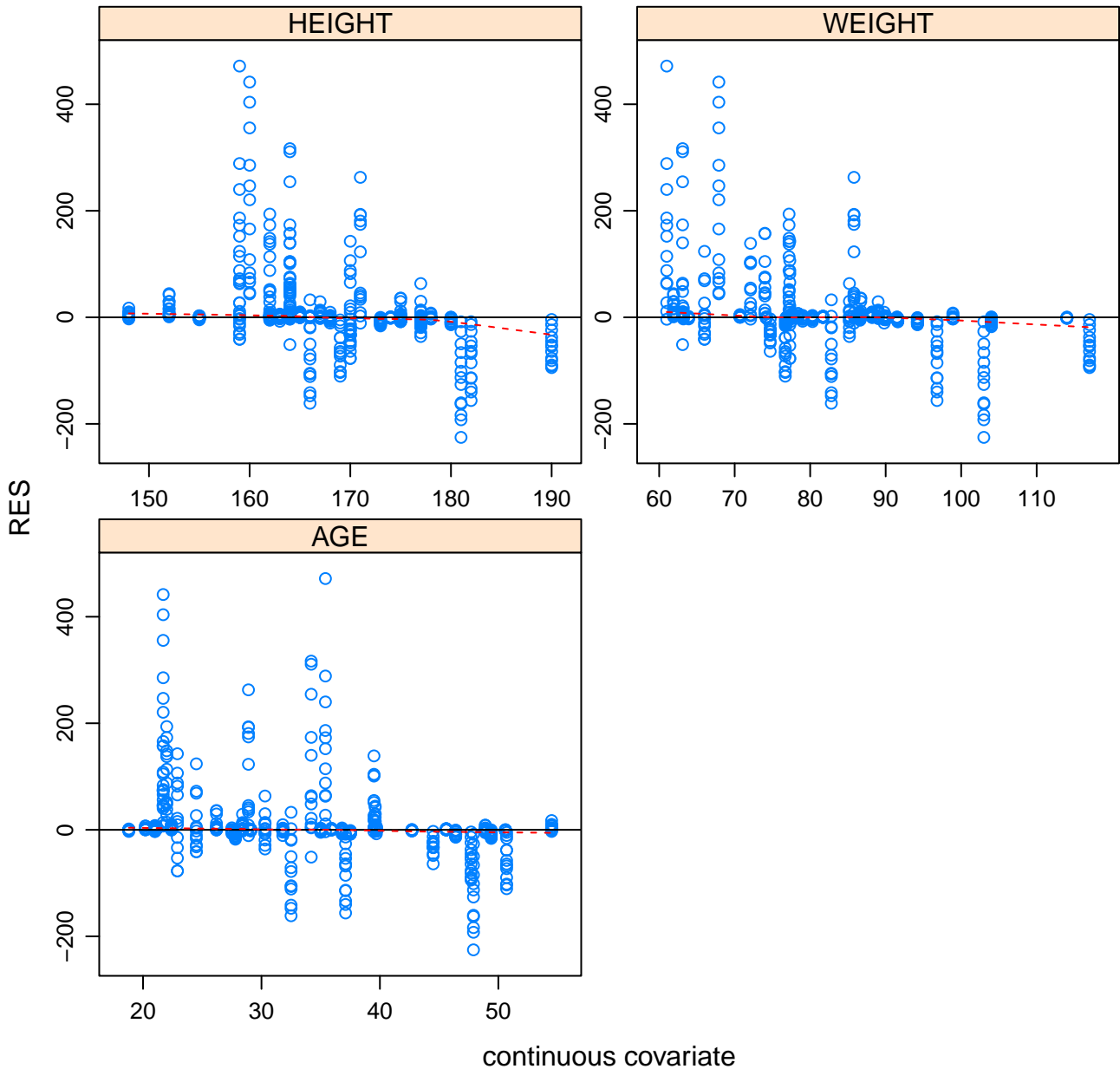
Etas vs. Continuous Covariates



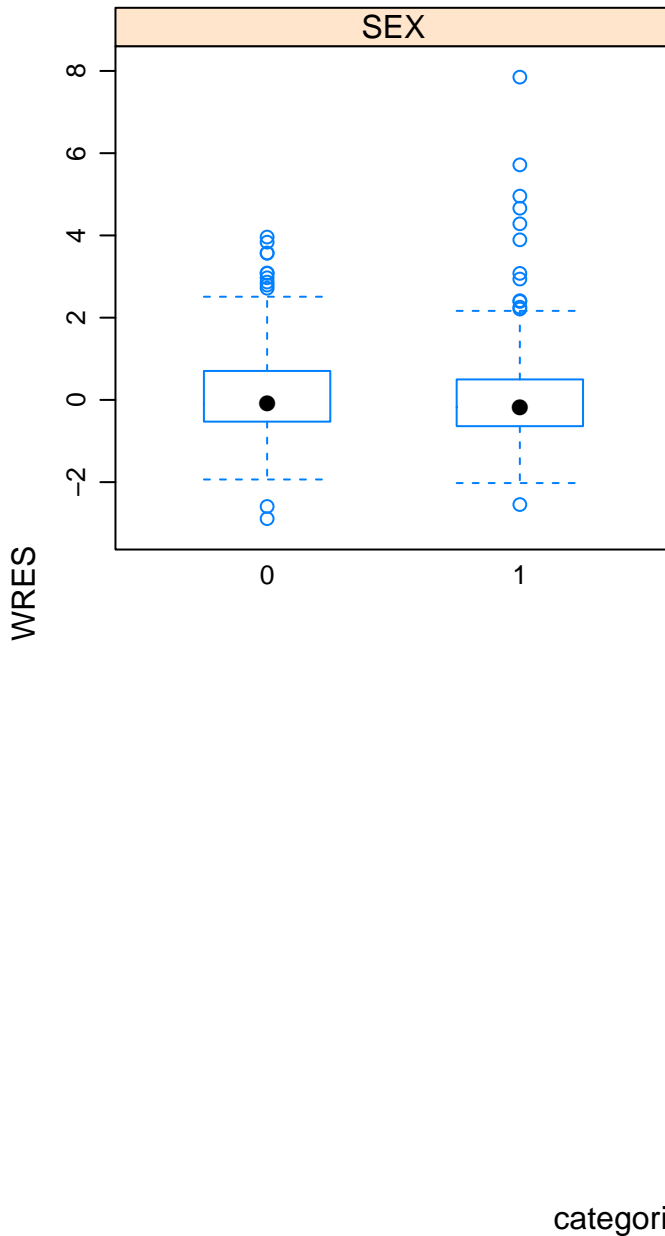
RES vs. Categorical Covariates



RES vs. Continuous Covariates



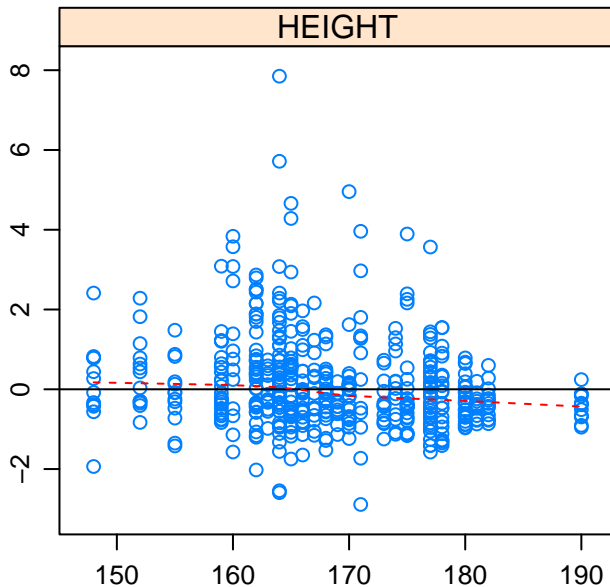
WRES vs. Categorical Covariates



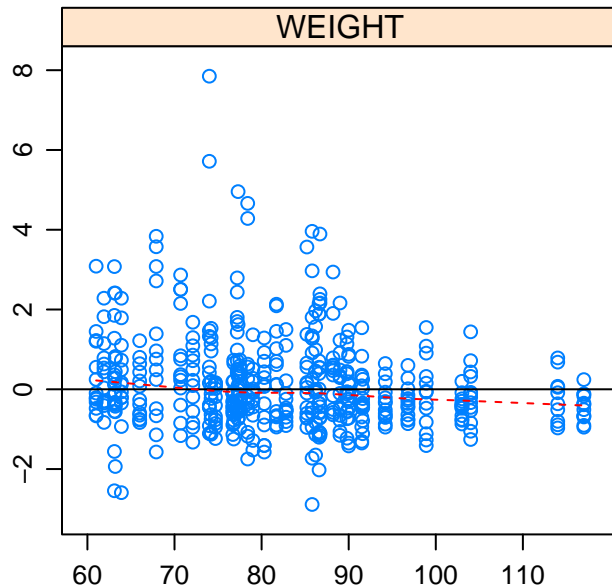
WRES vs. Continuous Covariates

WRES

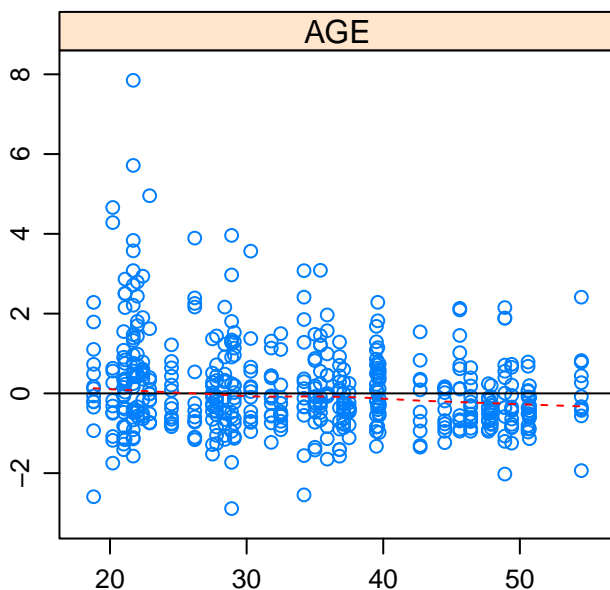
HEIGHT



WEIGHT

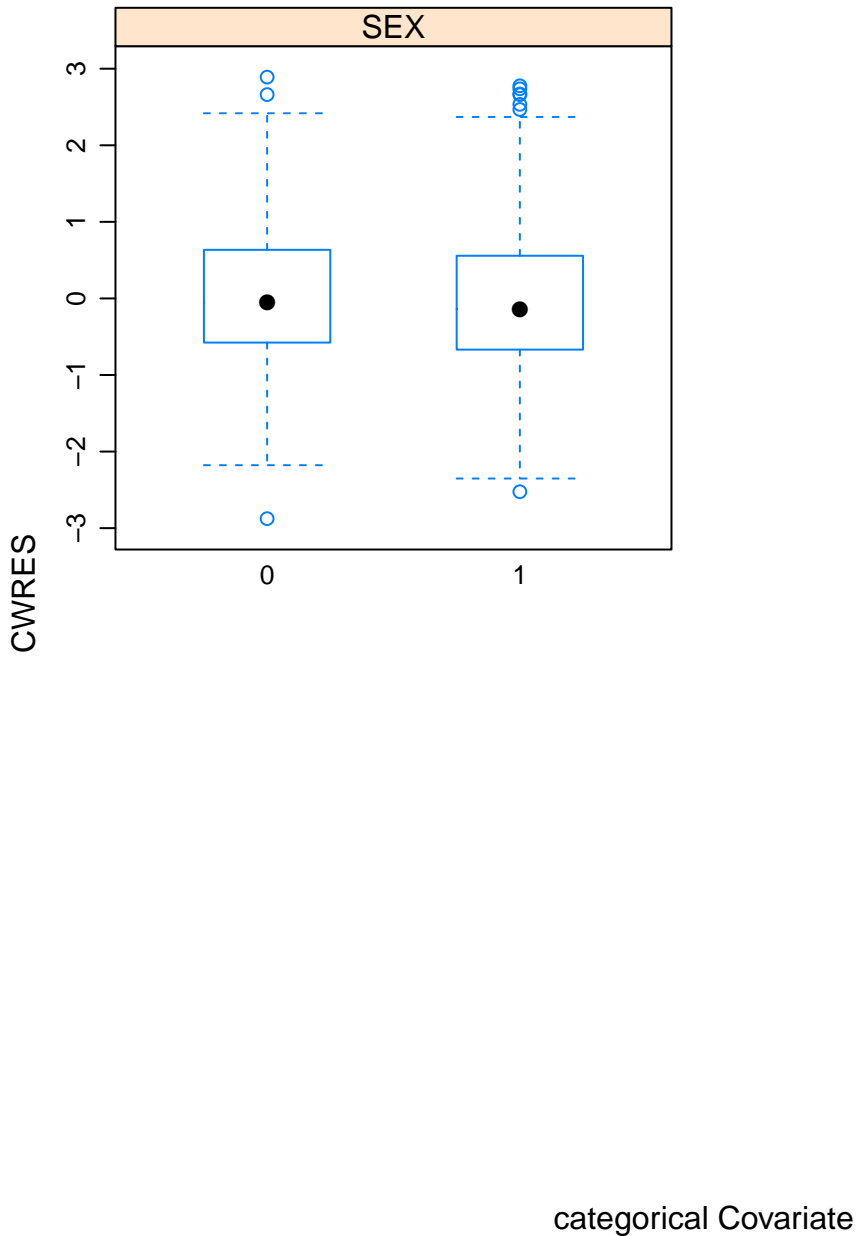


AGE

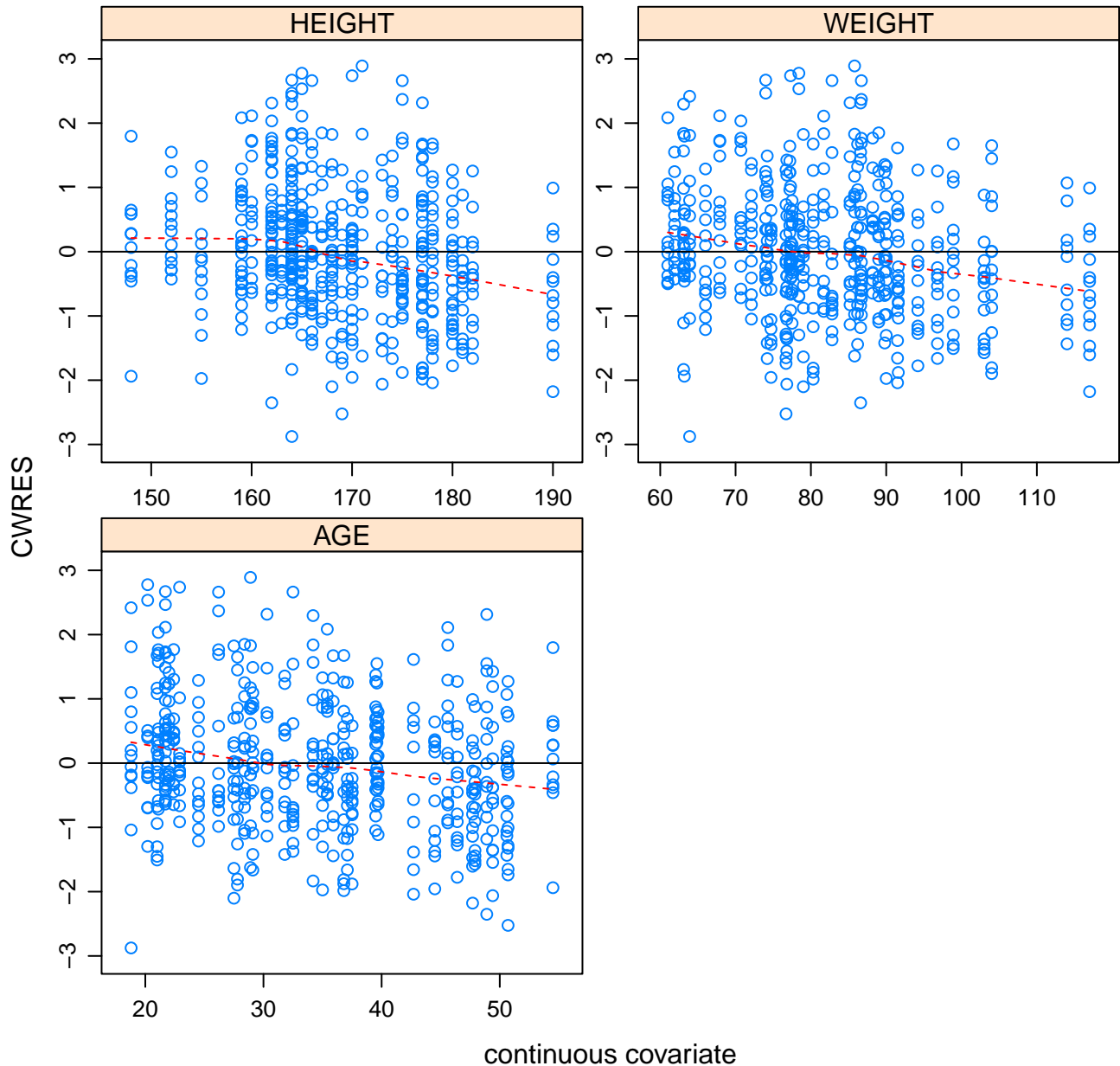


continuous covariate

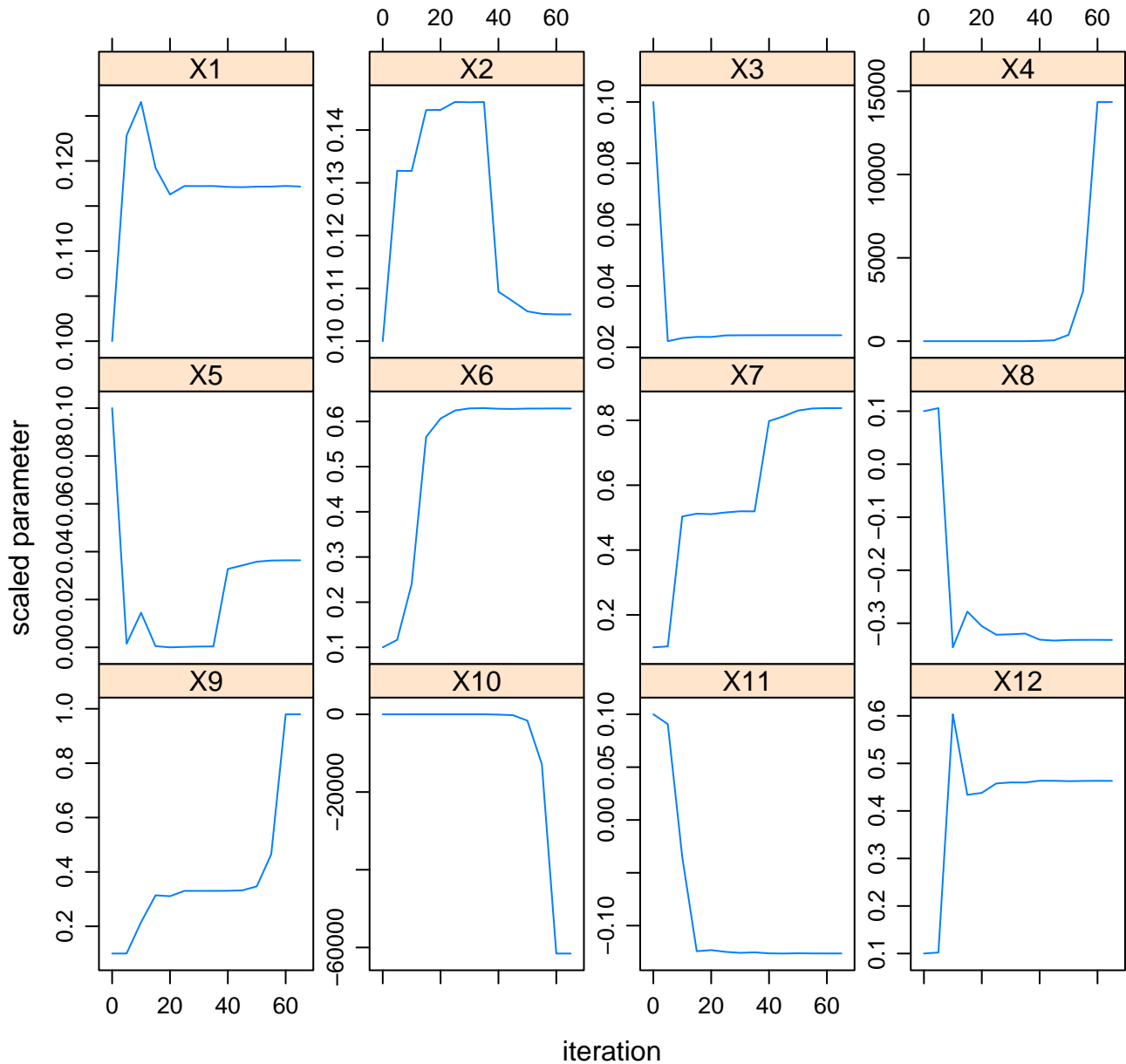
CWRES vs. Categorical Covariates



CWRES vs. Continuous Covariates



Model 1002 parameter search



Model 1002 gradient search

