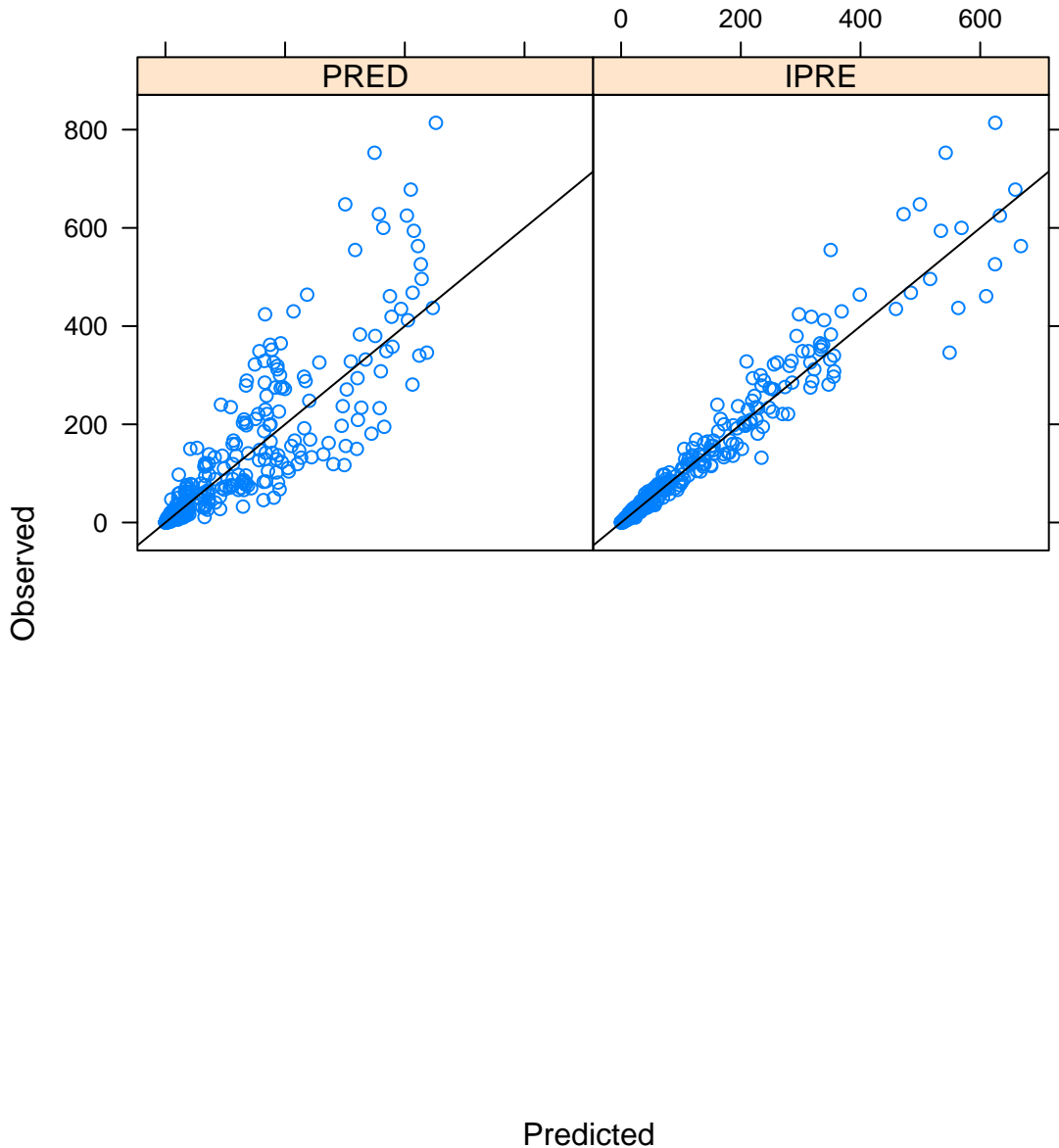


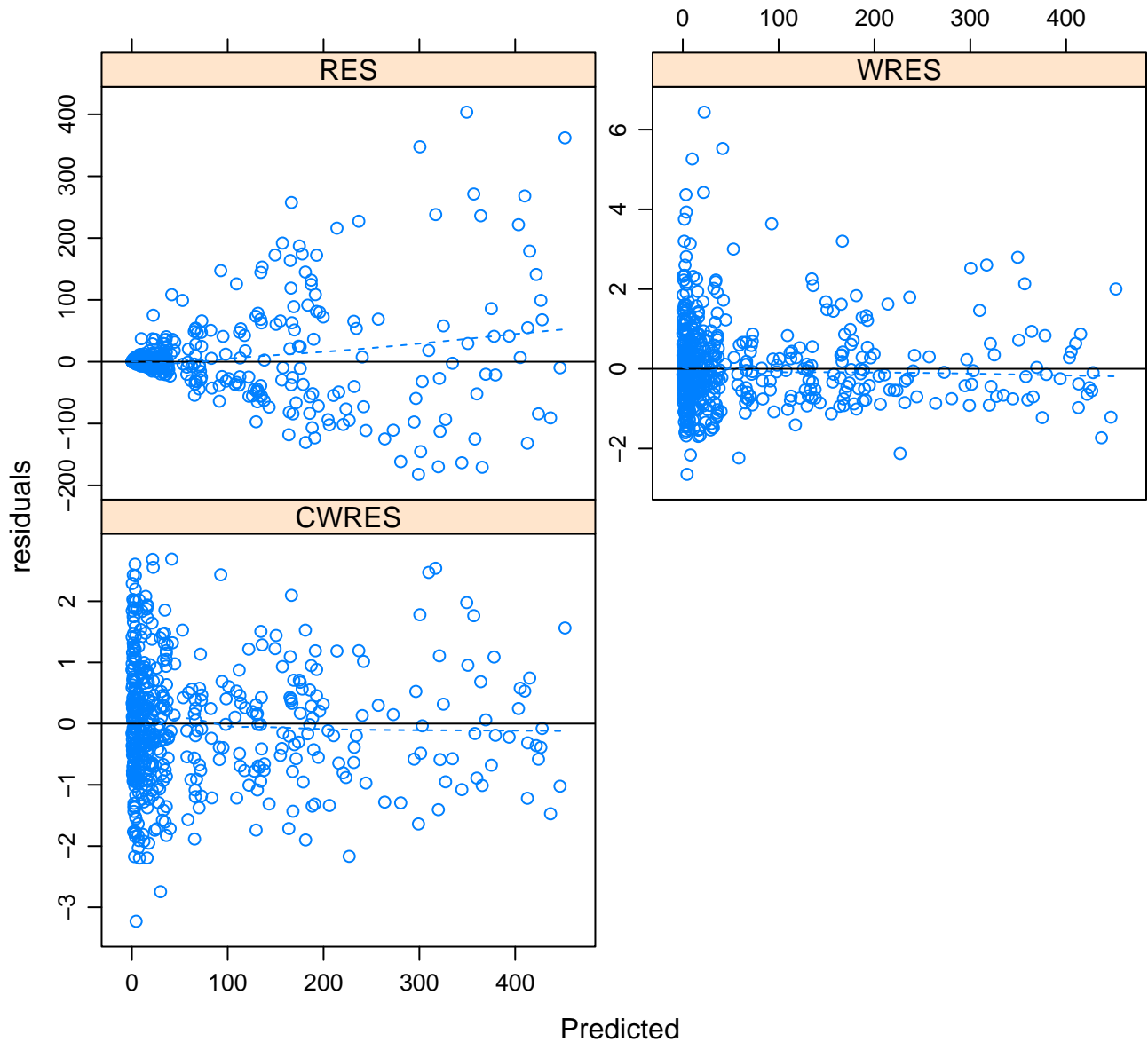
Model 1005

Observed vs. Predicted for all data



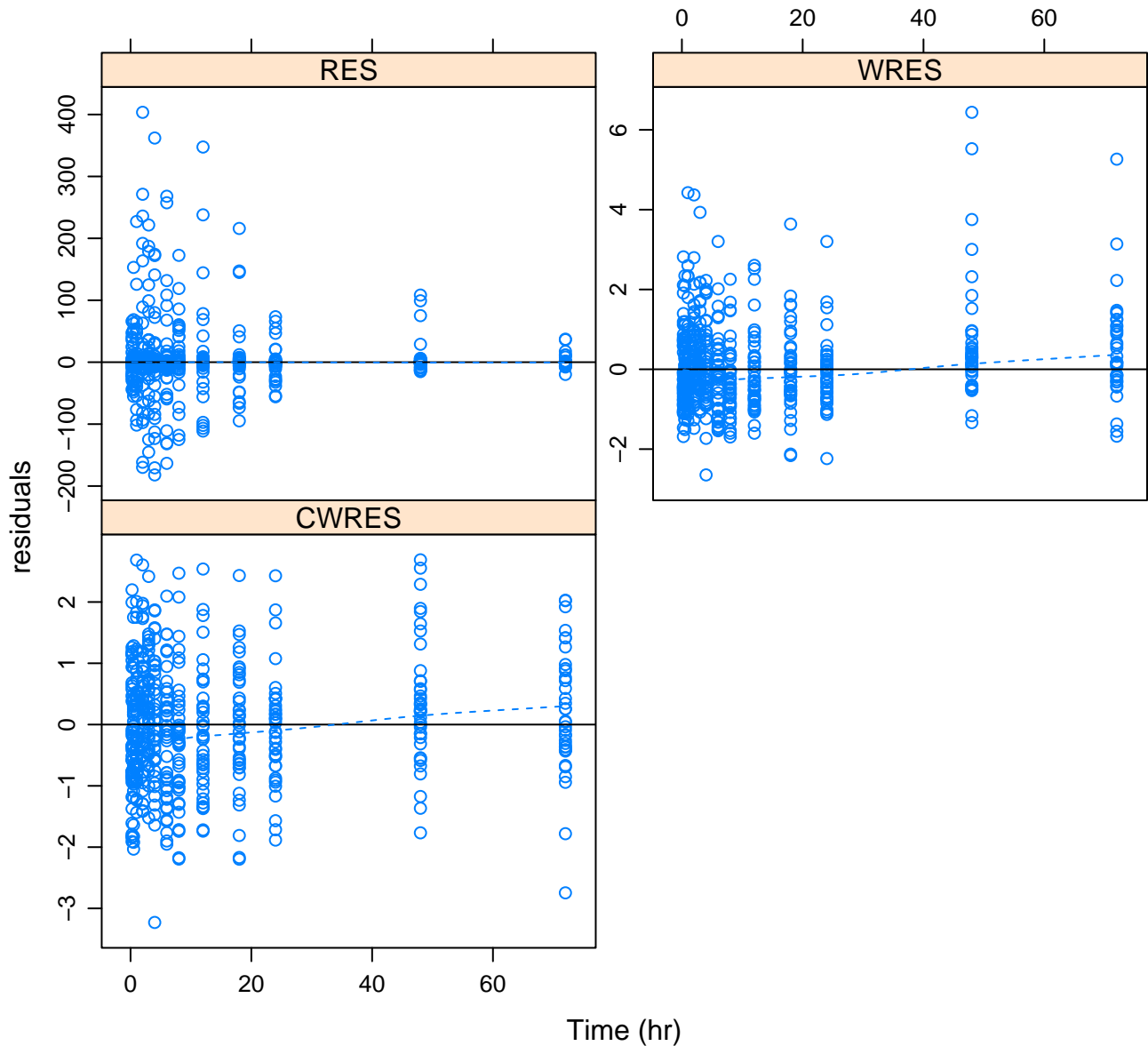
Model 1005

Residuals vs. Predicted for all data



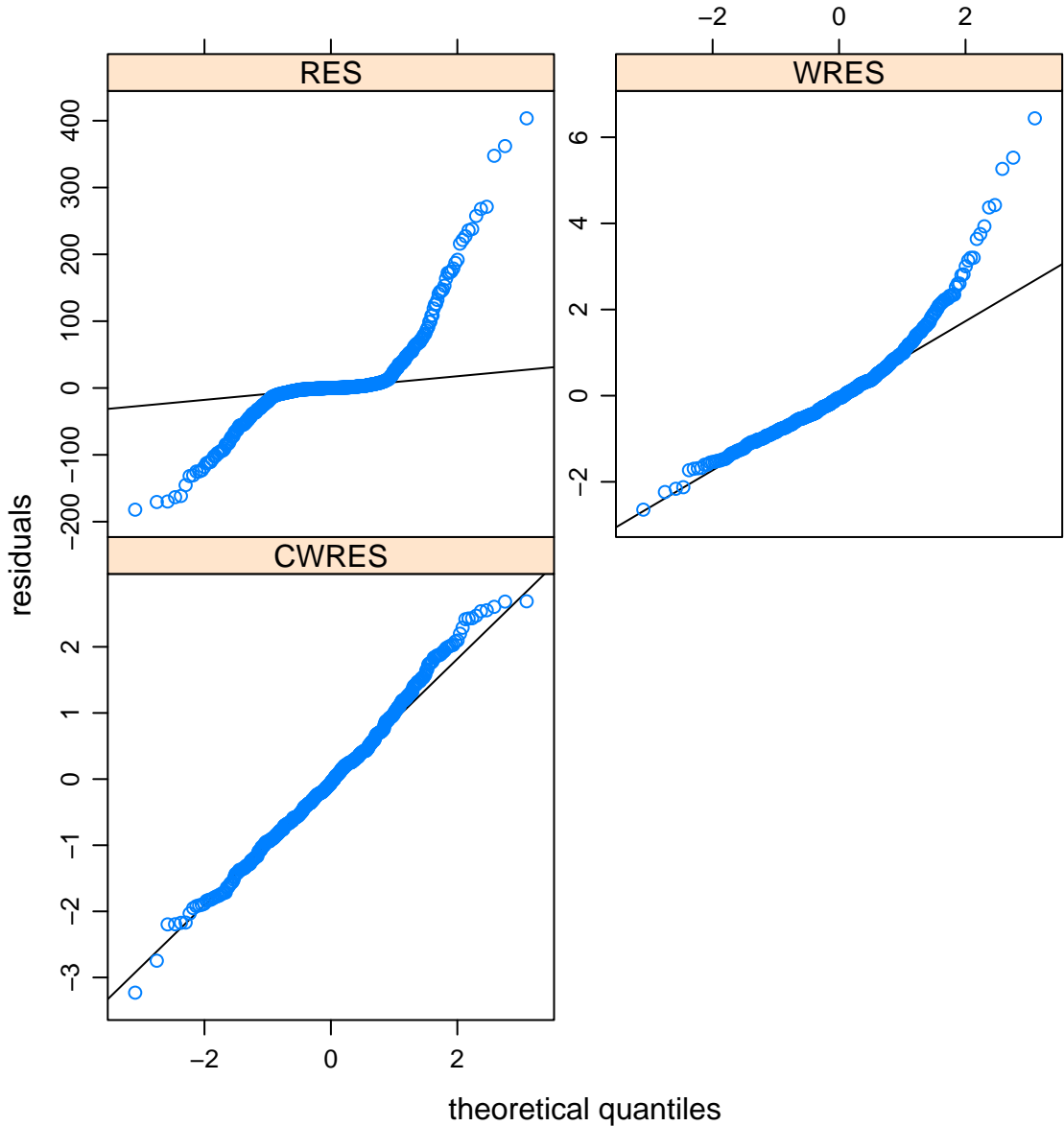
Model 1005

Residuals vs. Time for all data



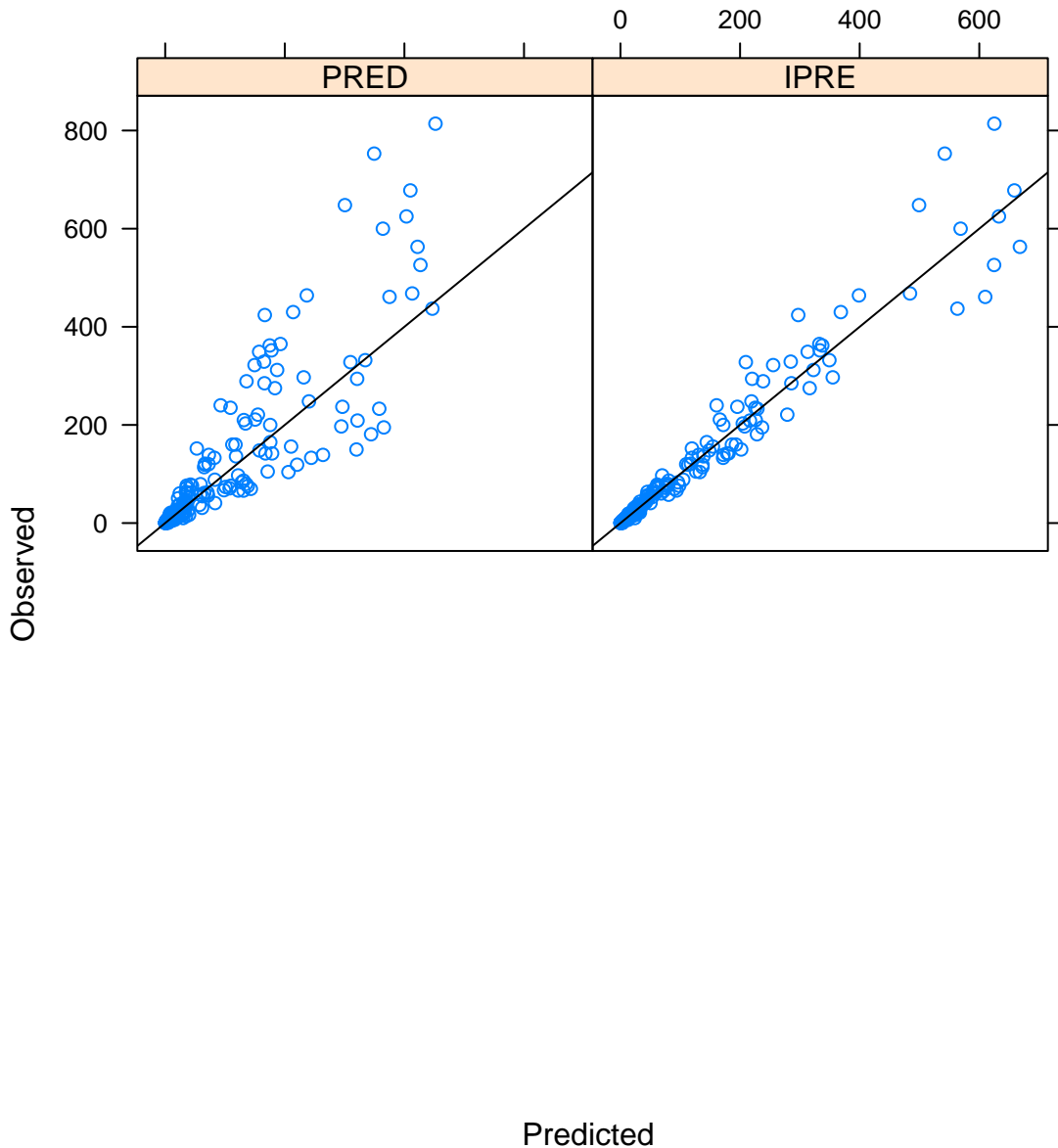
Model 1005

Normal Q-Q Plot Residuals for all data



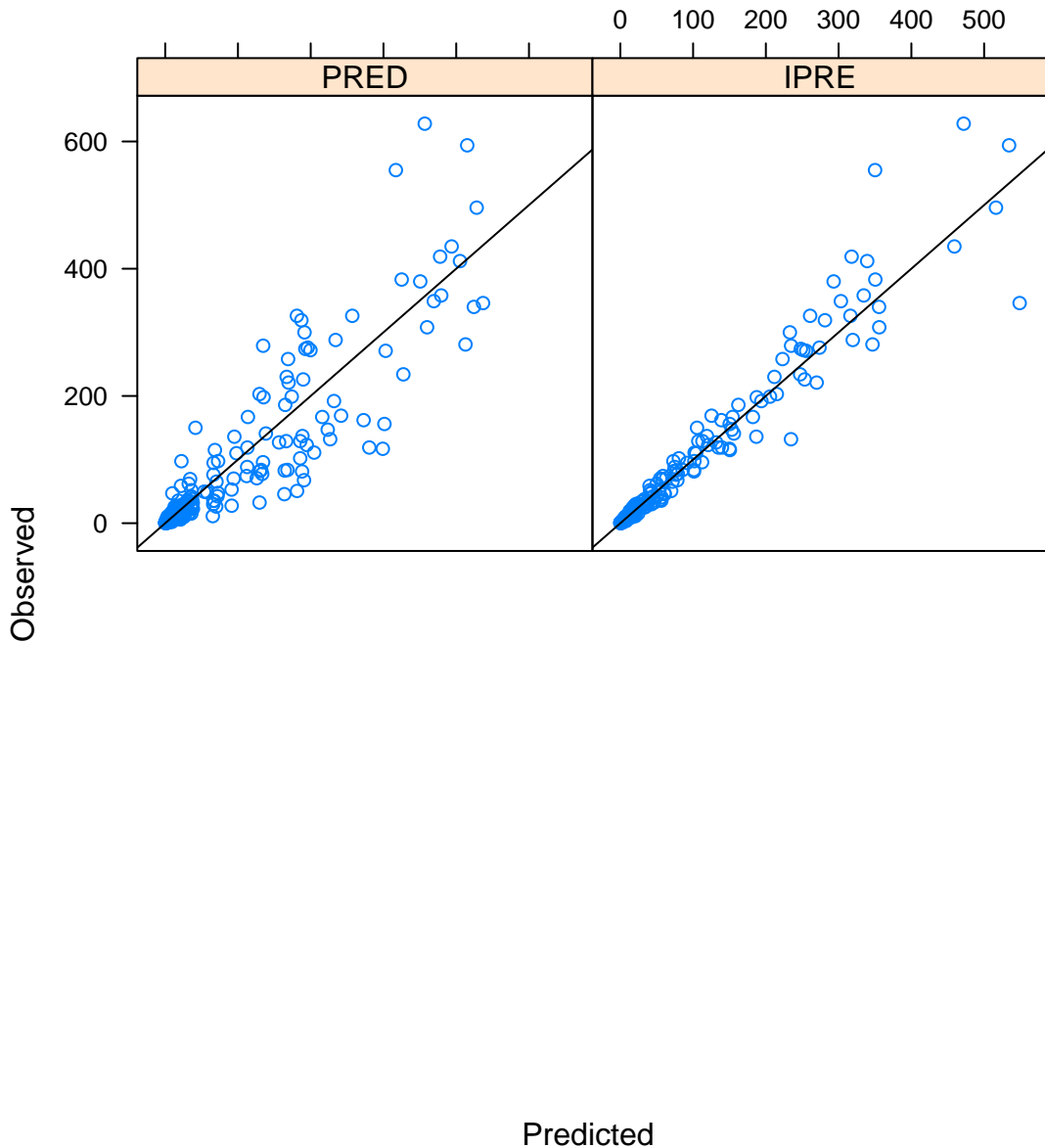
Model 1005

Observed vs. Predicted for female data



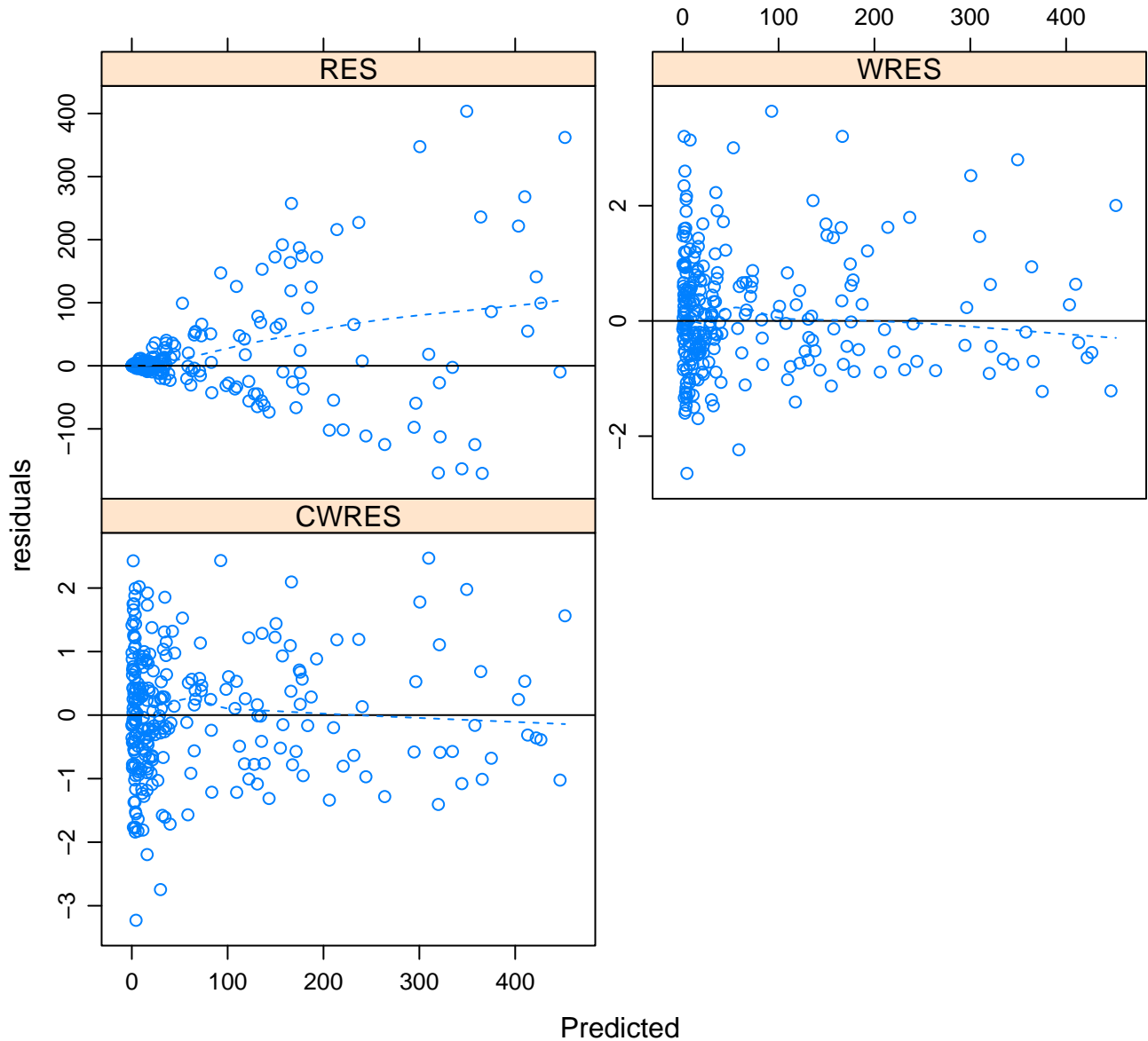
Model 1005

Observed vs. Predicted for male data



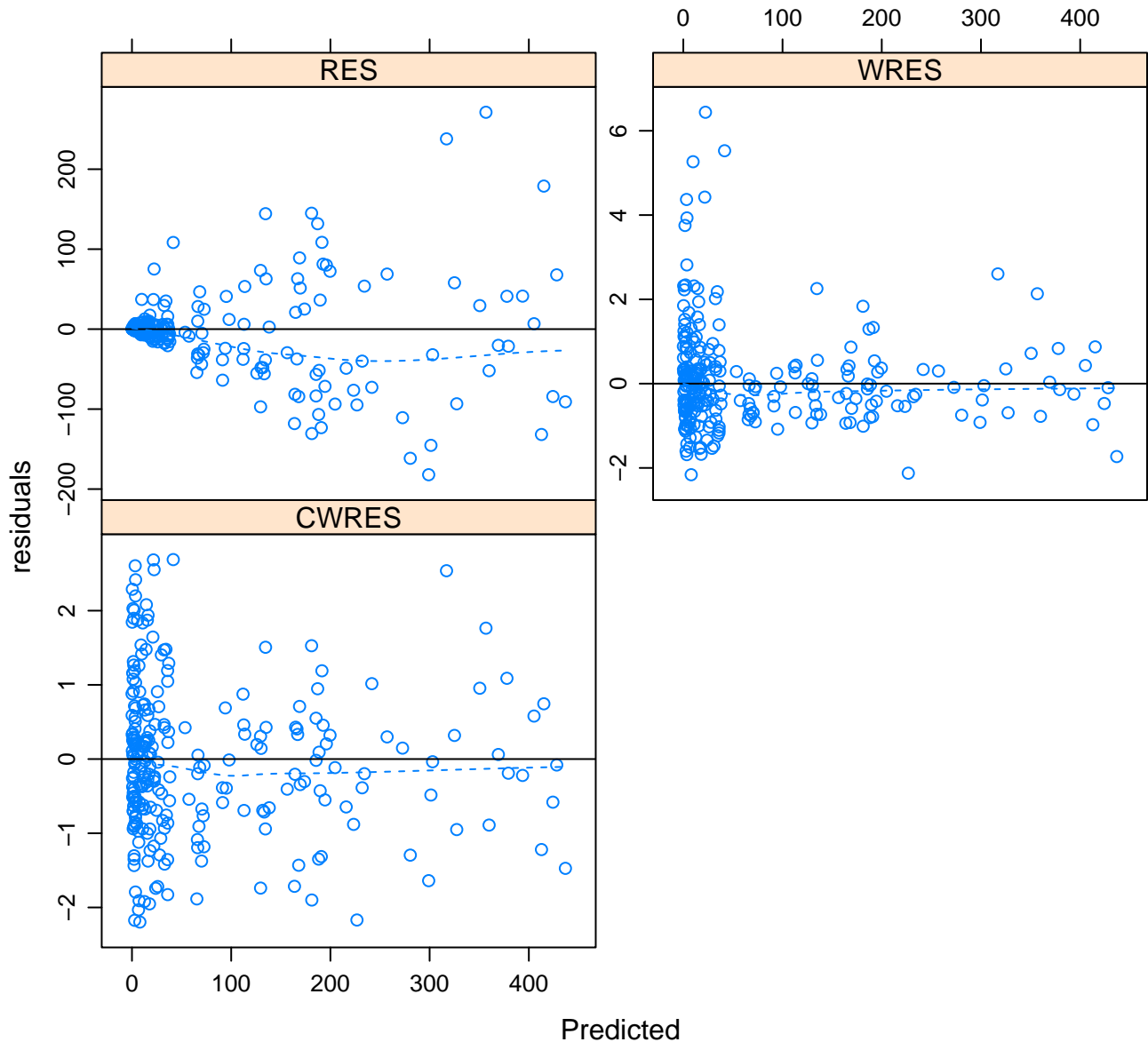
Model 1005

Residuals vs. Predicted for female data



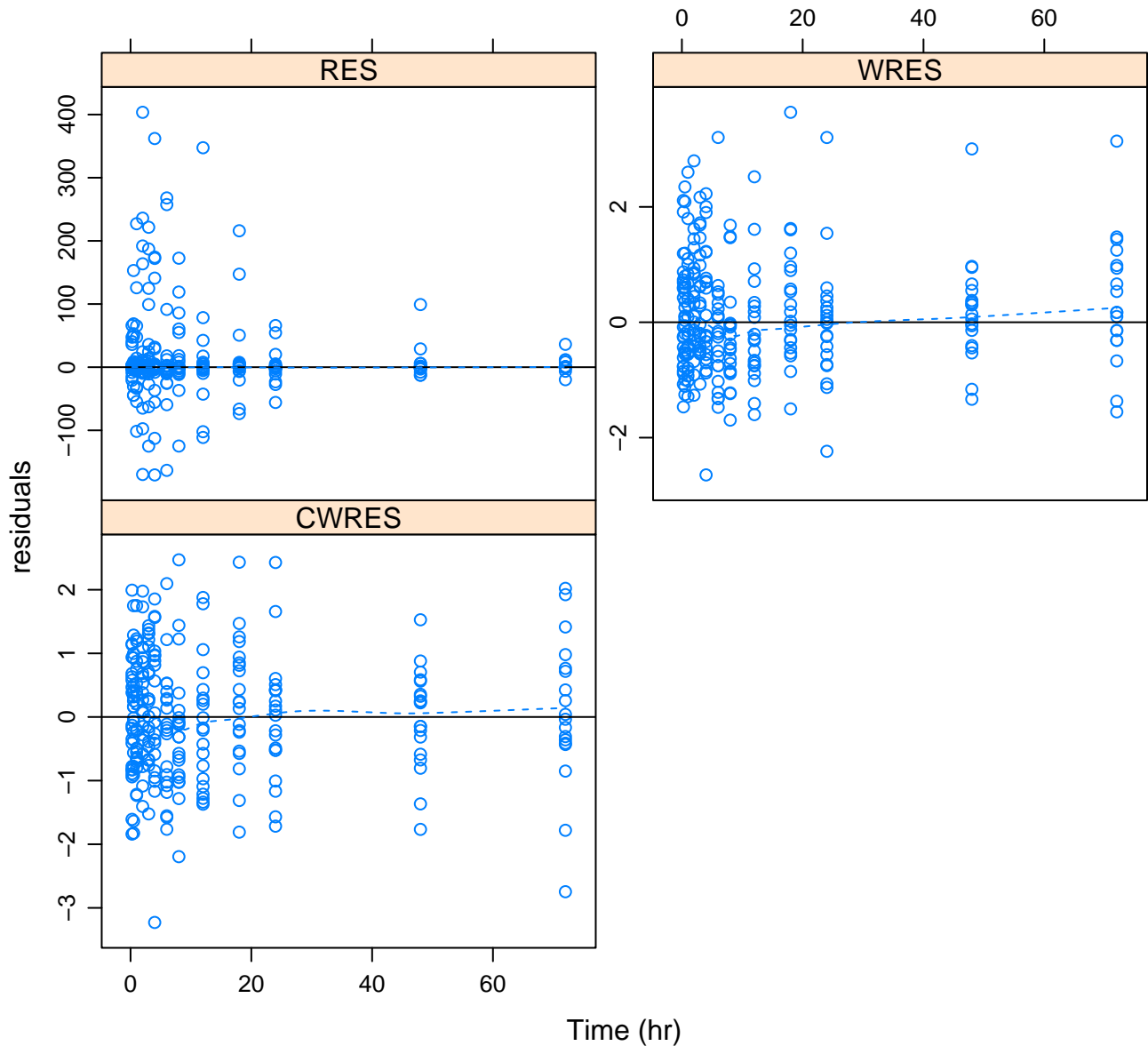
Model 1005

Residuals vs. Predicted for male data



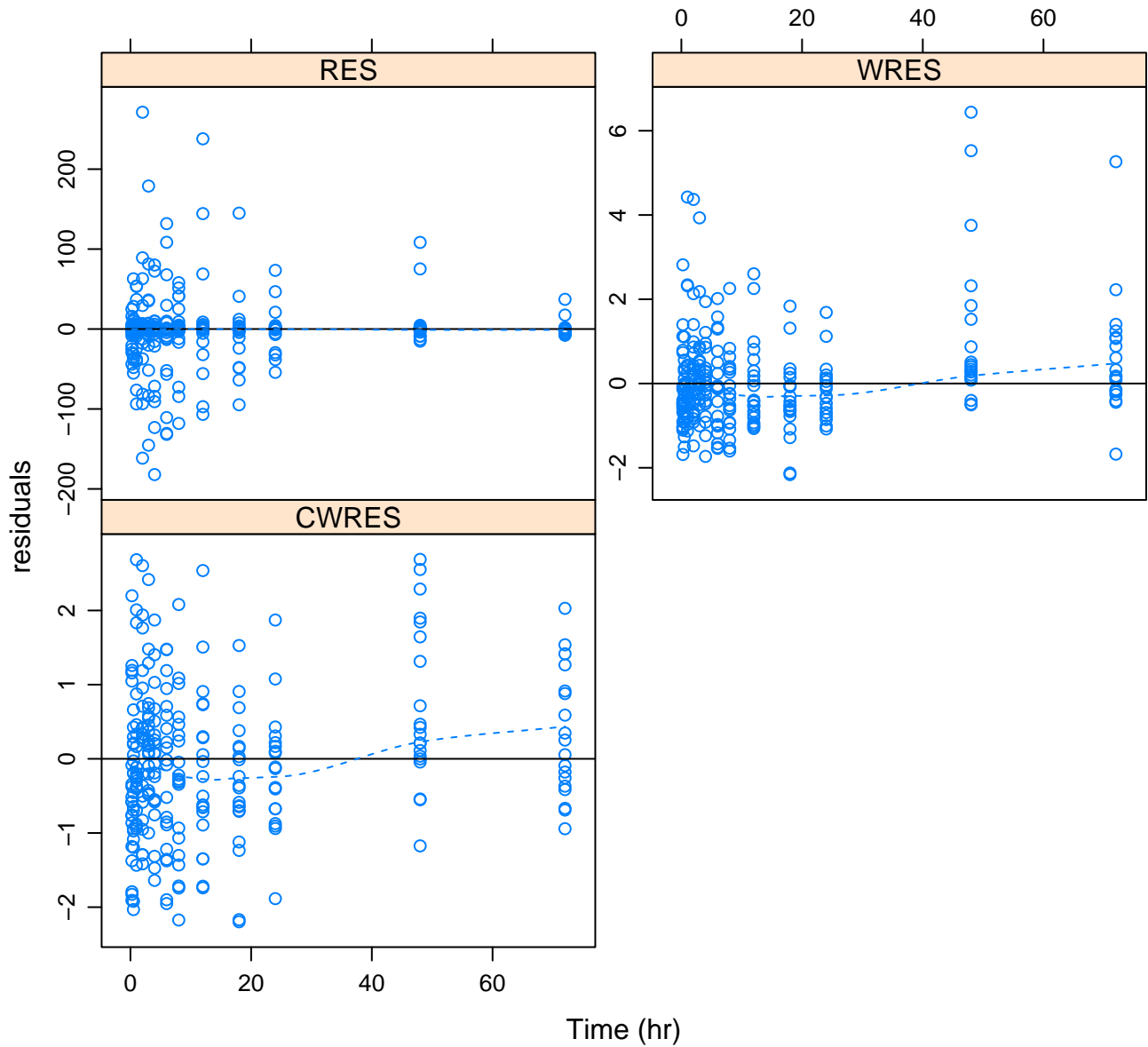
Model 1005

Residuals vs. Time for female data



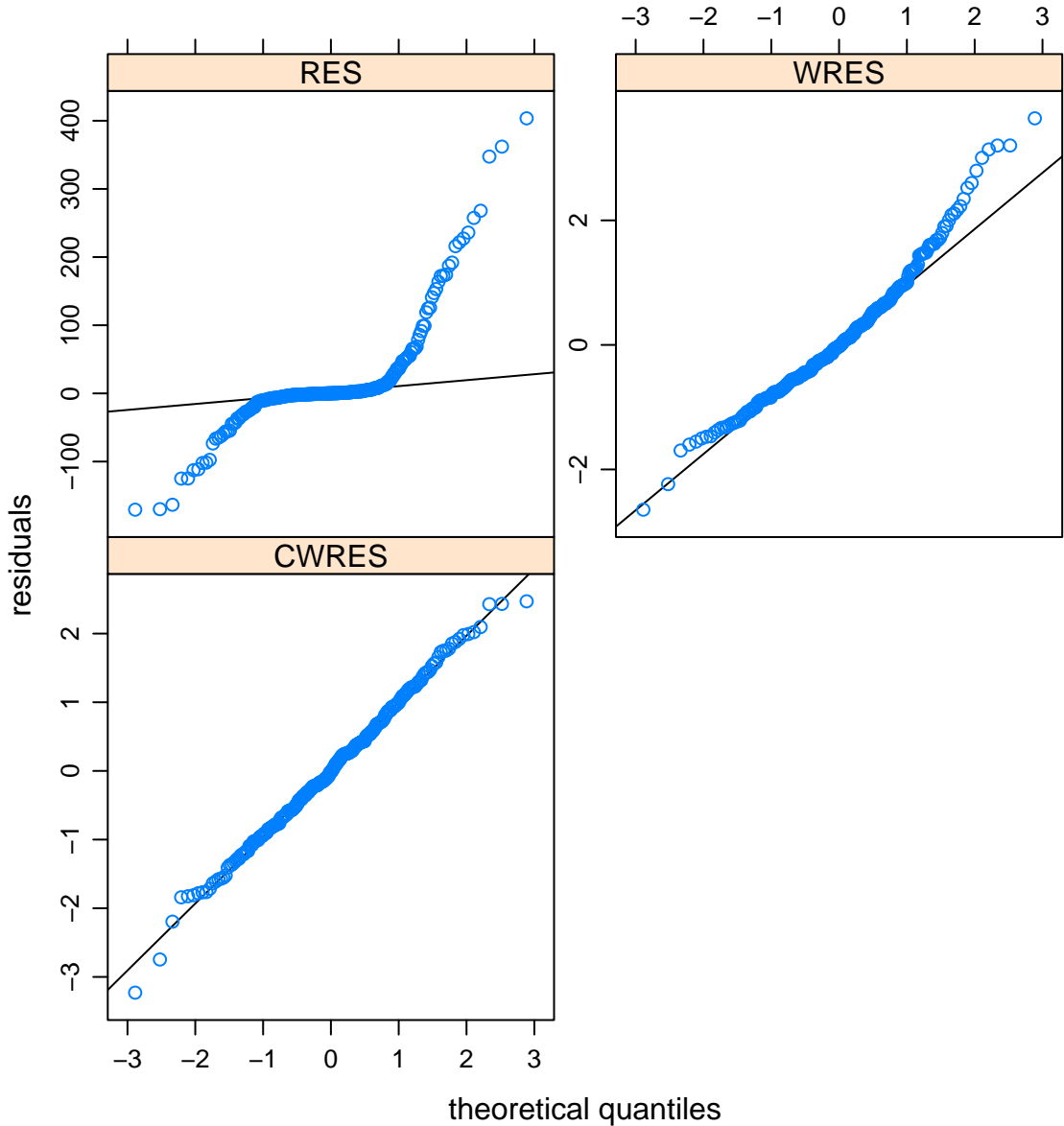
Model 1005

Residuals vs. Time for male data



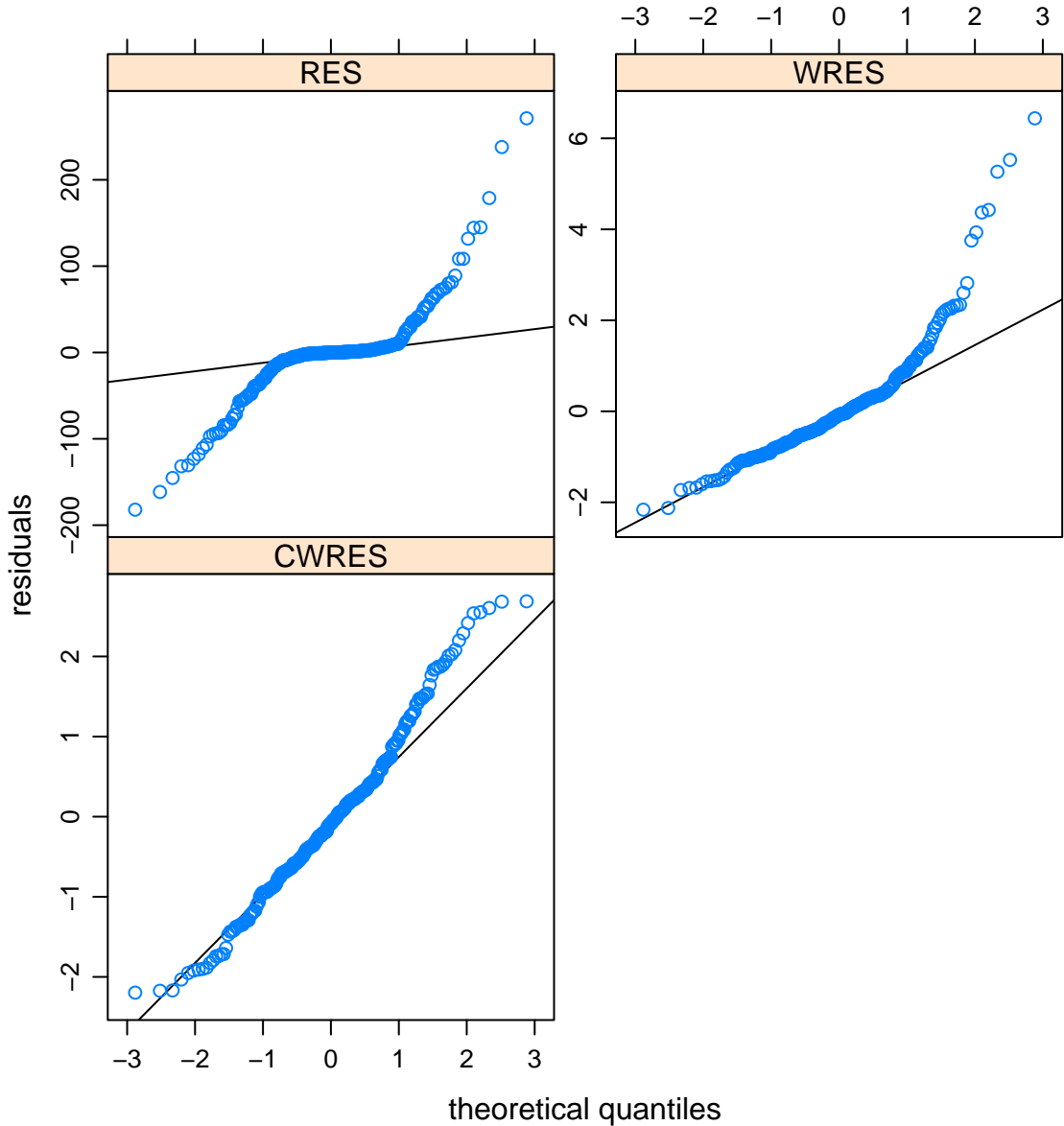
Model 1005

Normal Q-Q Plot Residuals for female data

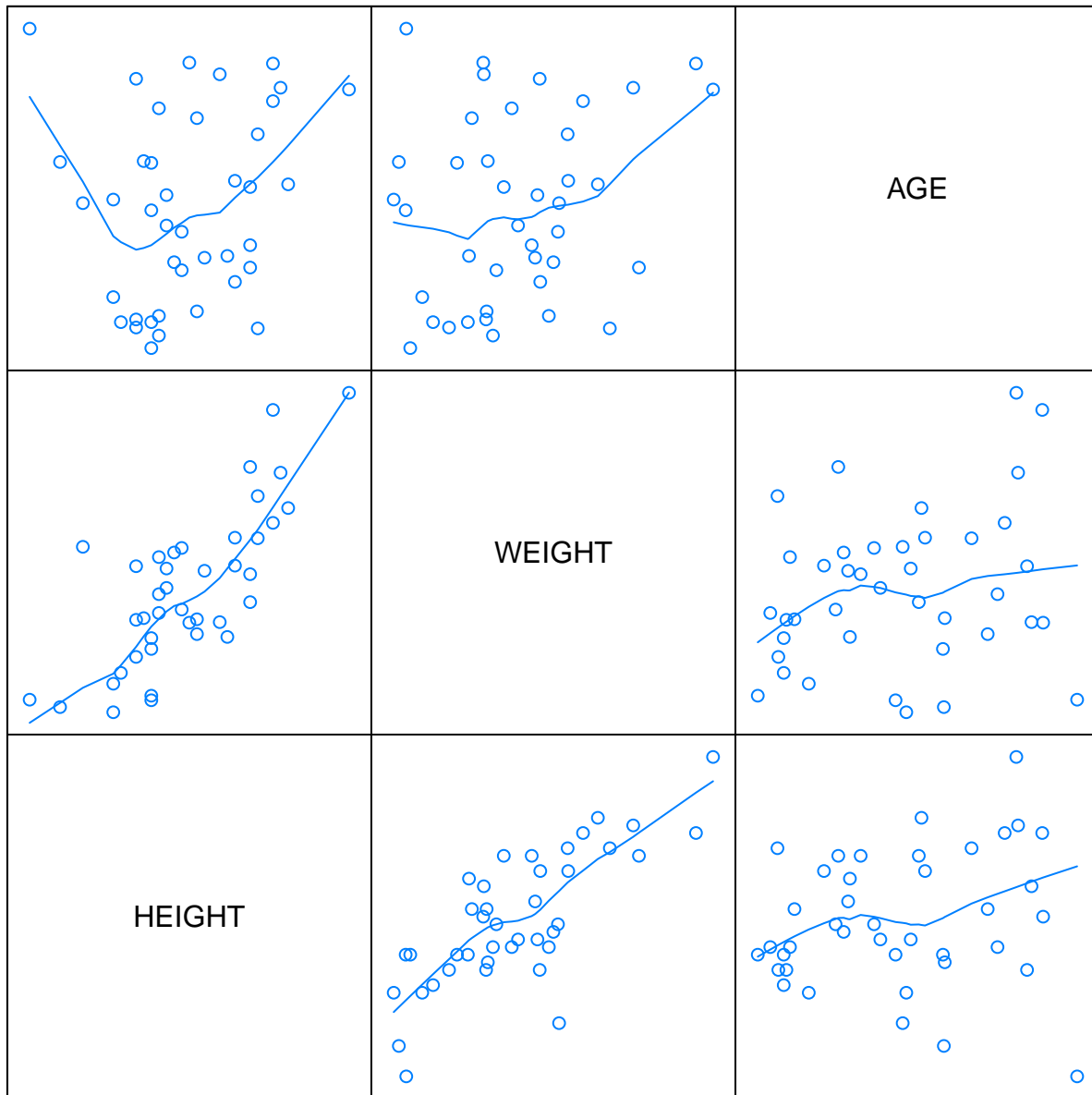


Model 1005

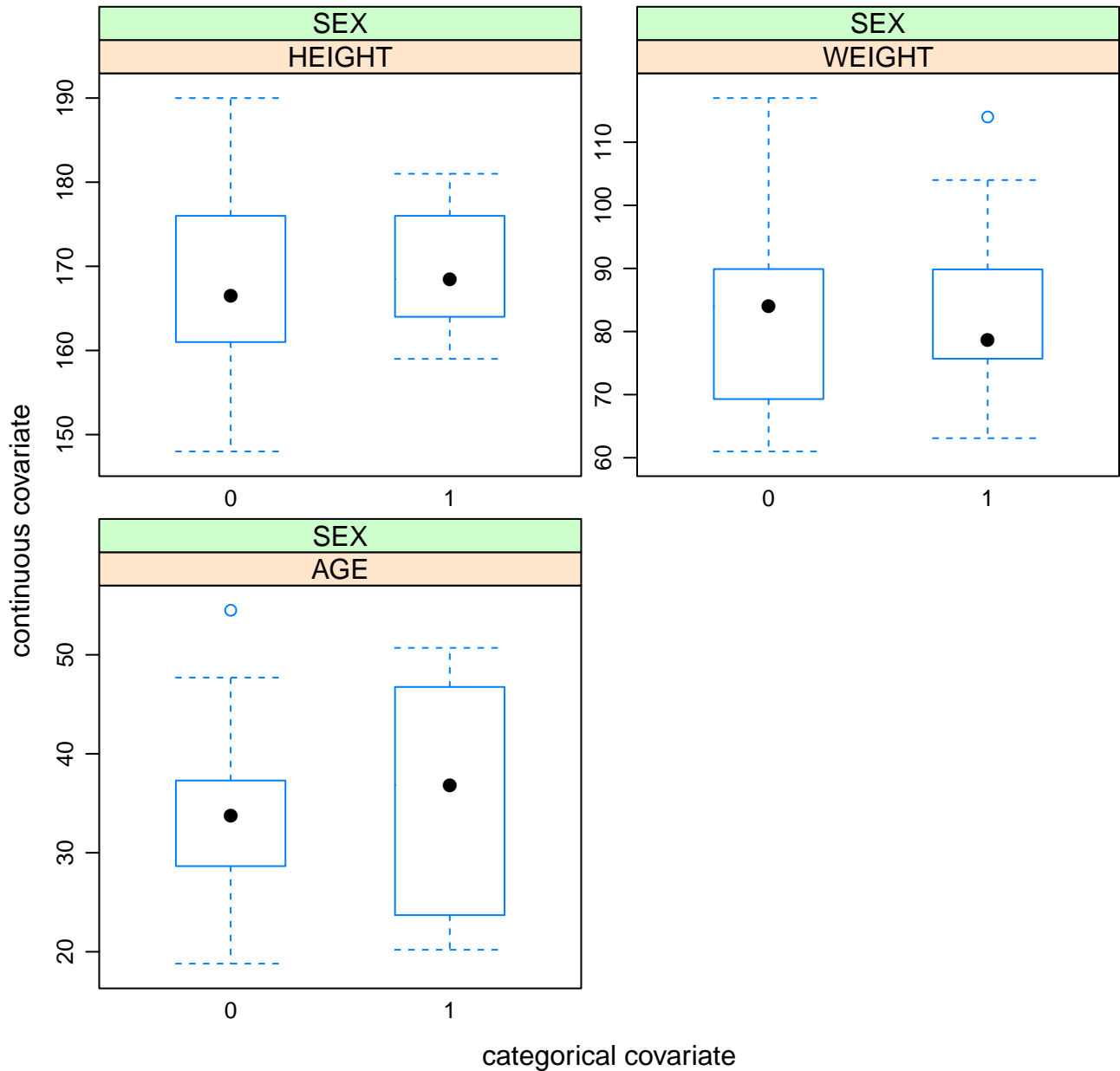
Normal Q-Q Plot Residuals for male data



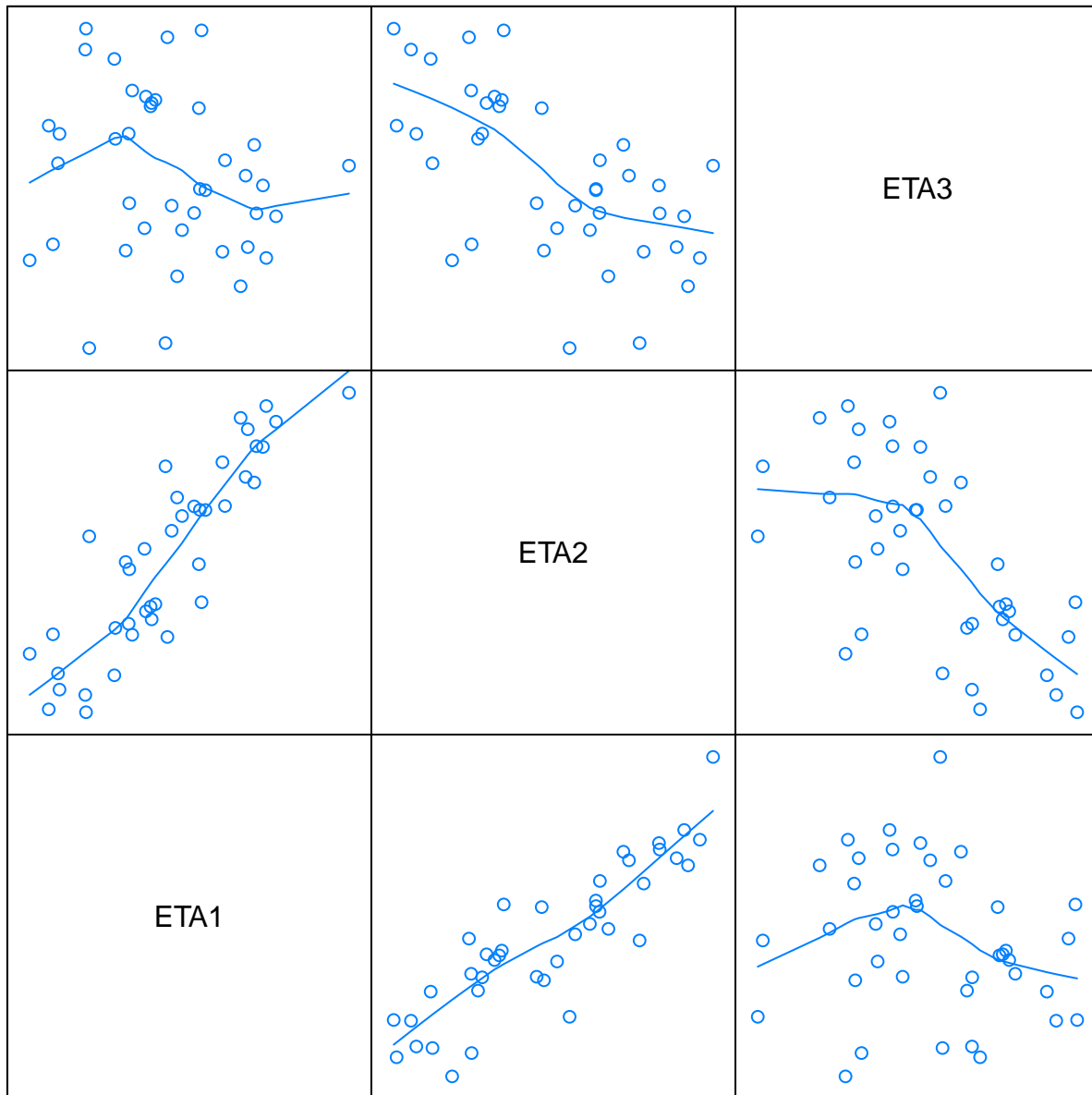
Covariate Scatterplots



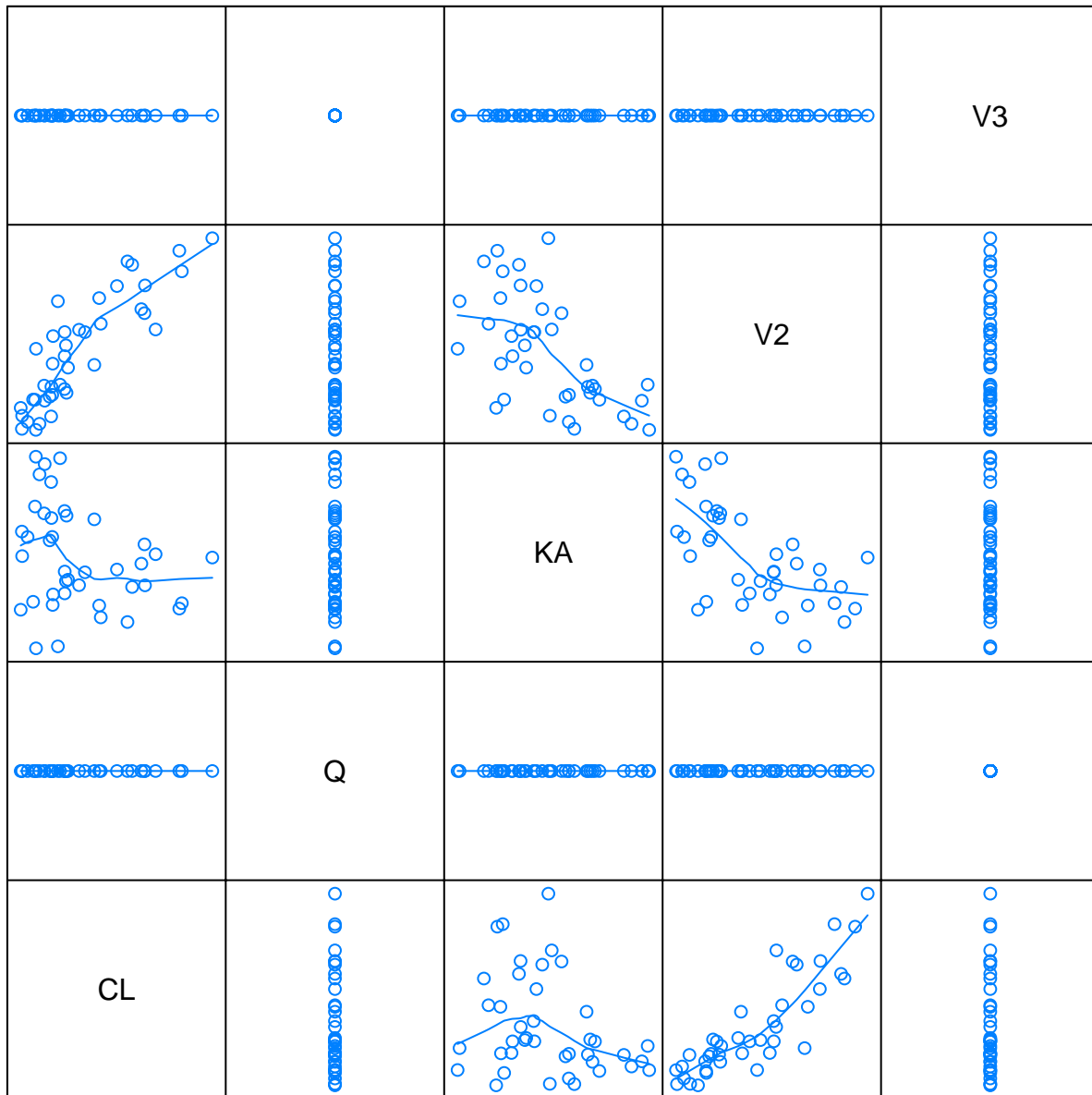
Continuous Covariates vs. Categorical Covariates



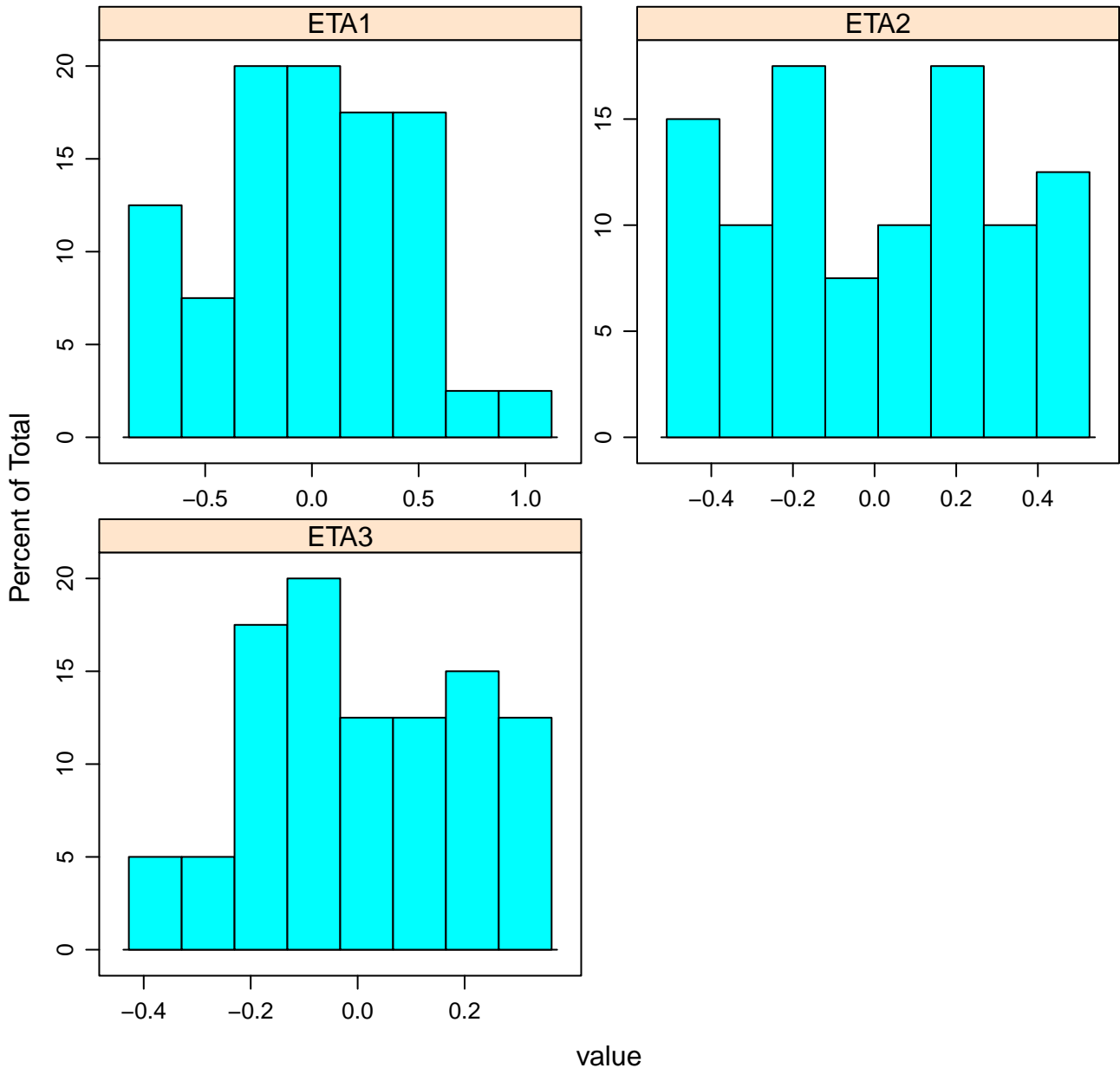
ETA Scatterplots



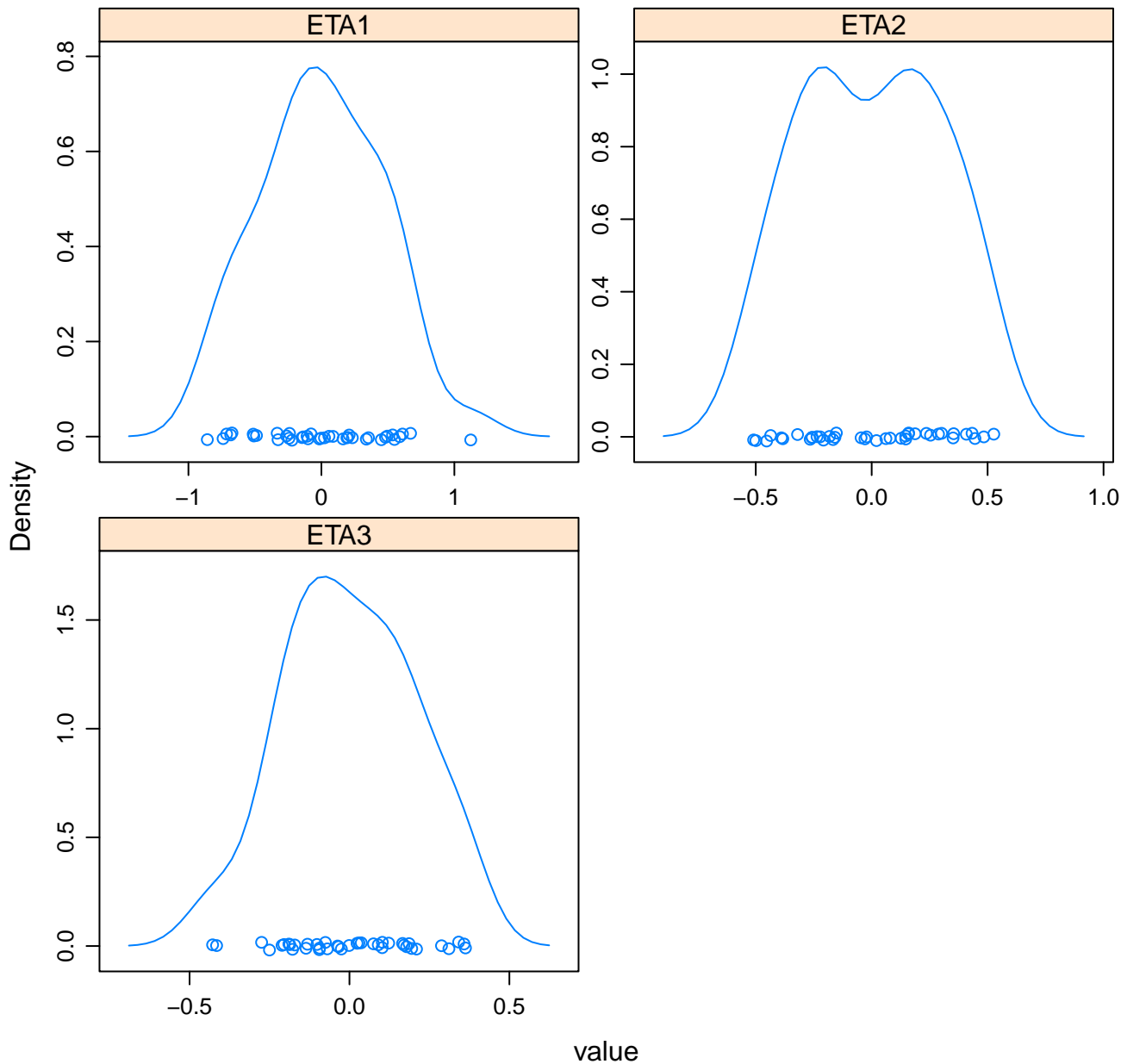
Parameter Scatterplots



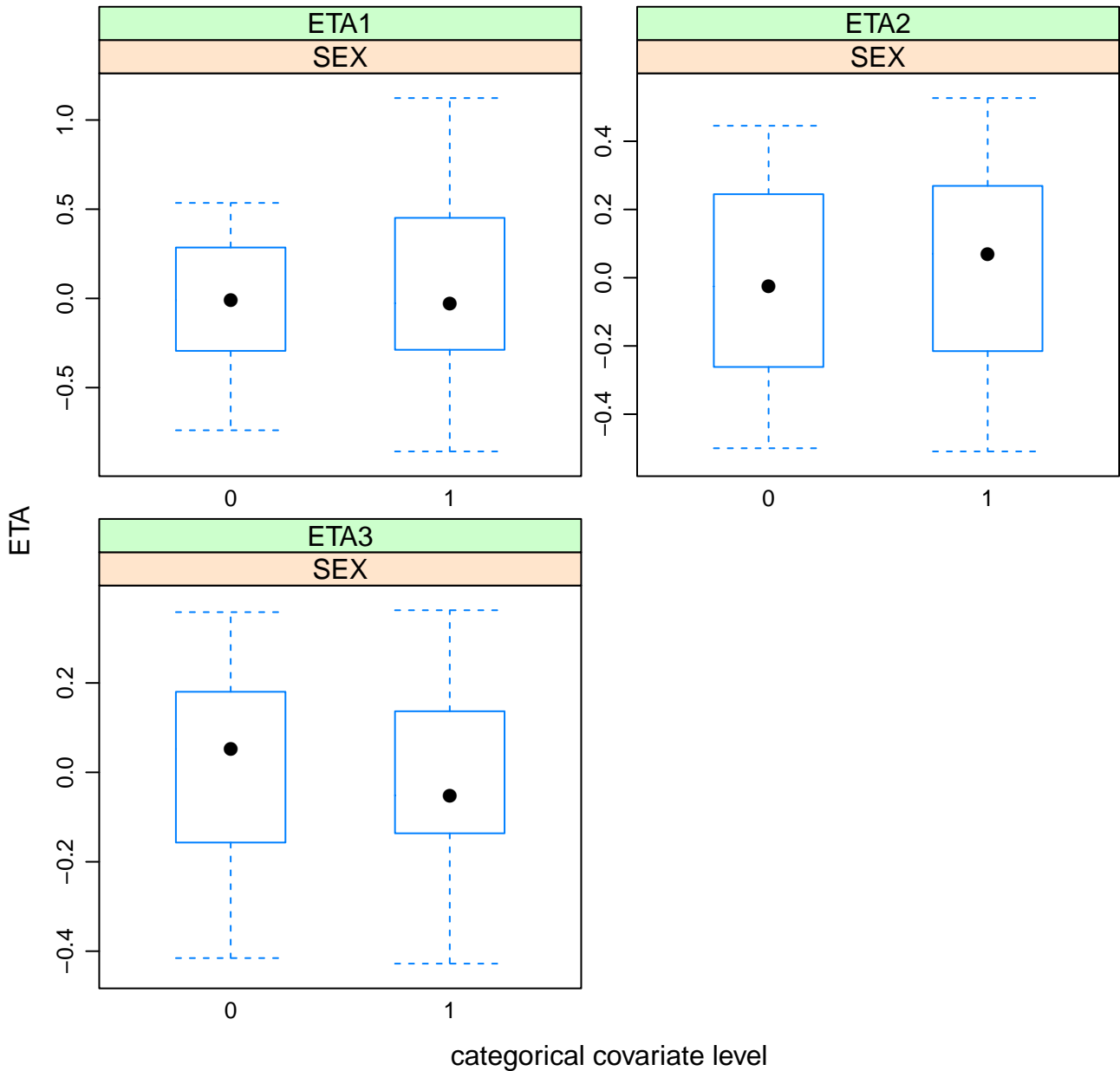
Histograms of Etas



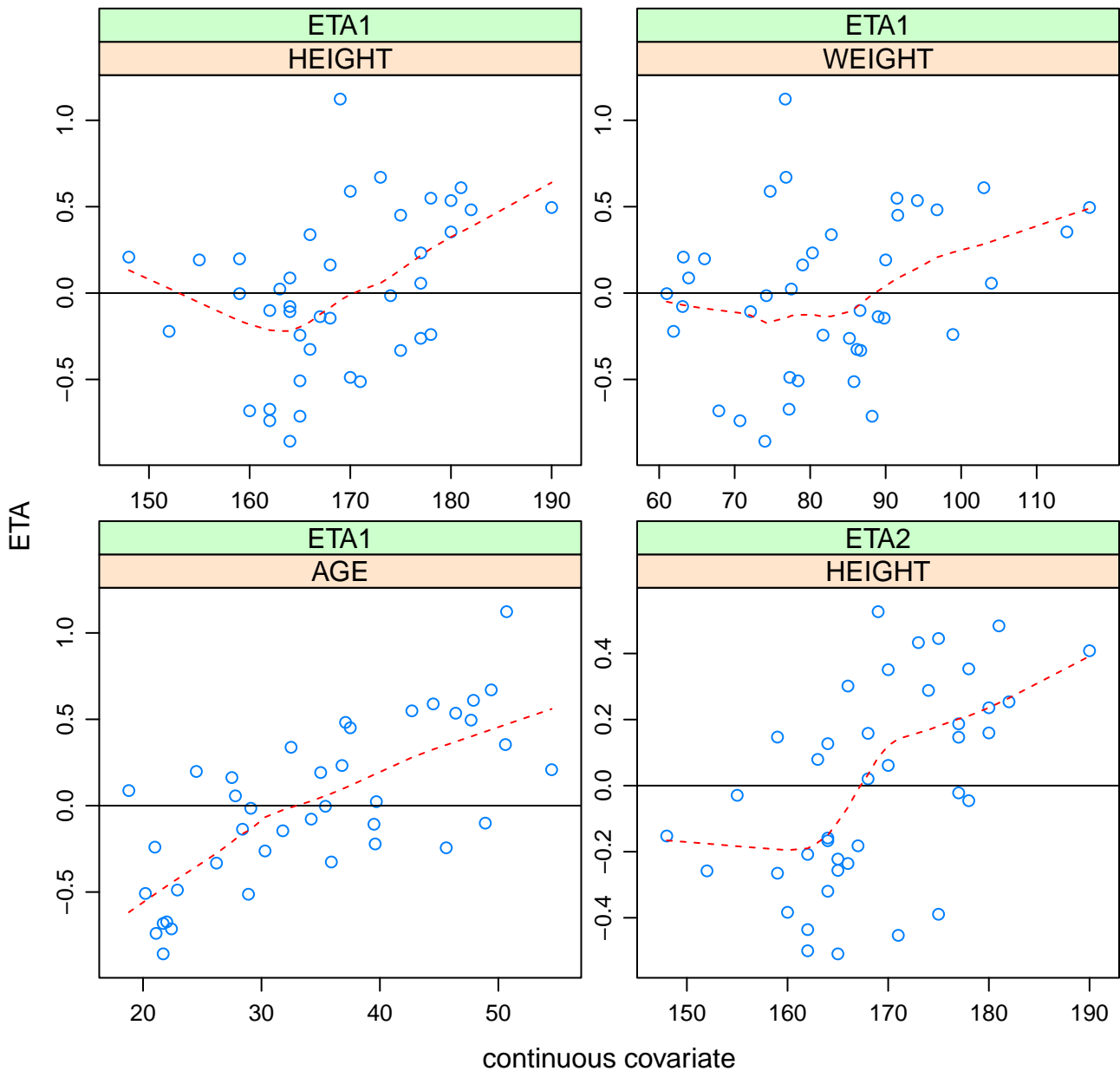
Density of Etas



Boxplots of Etas by Categorical Covariate

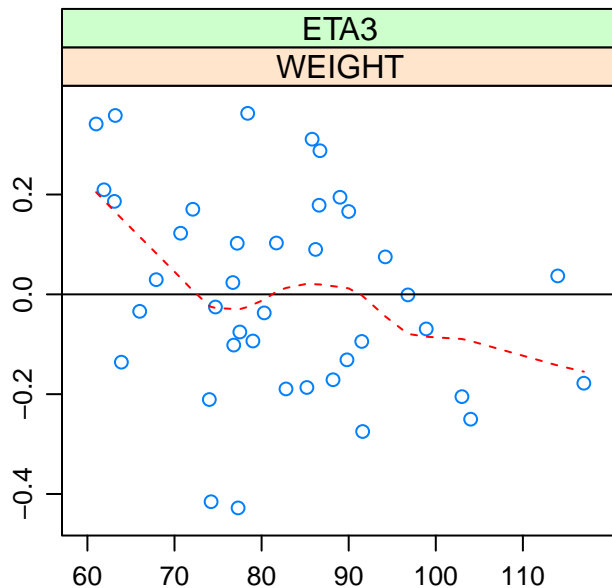
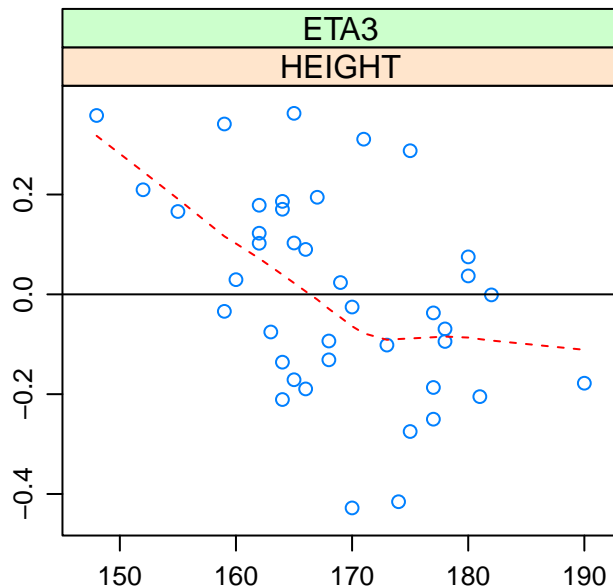
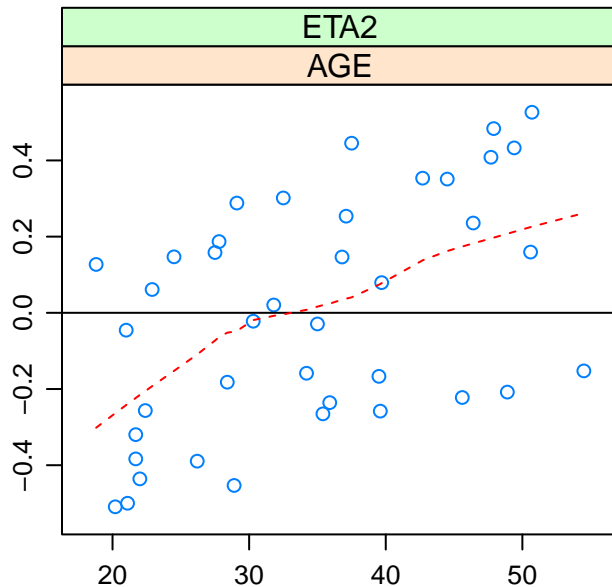
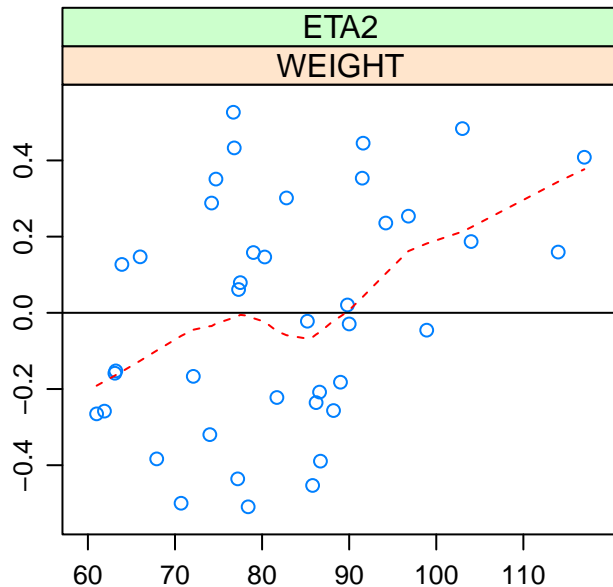


Etas vs. Continuous Covariates



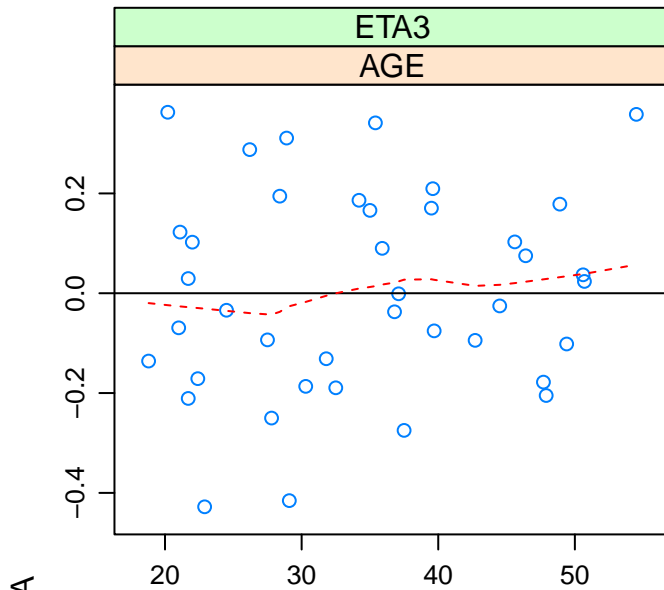
Etas vs. Continuous Covariates

ETA



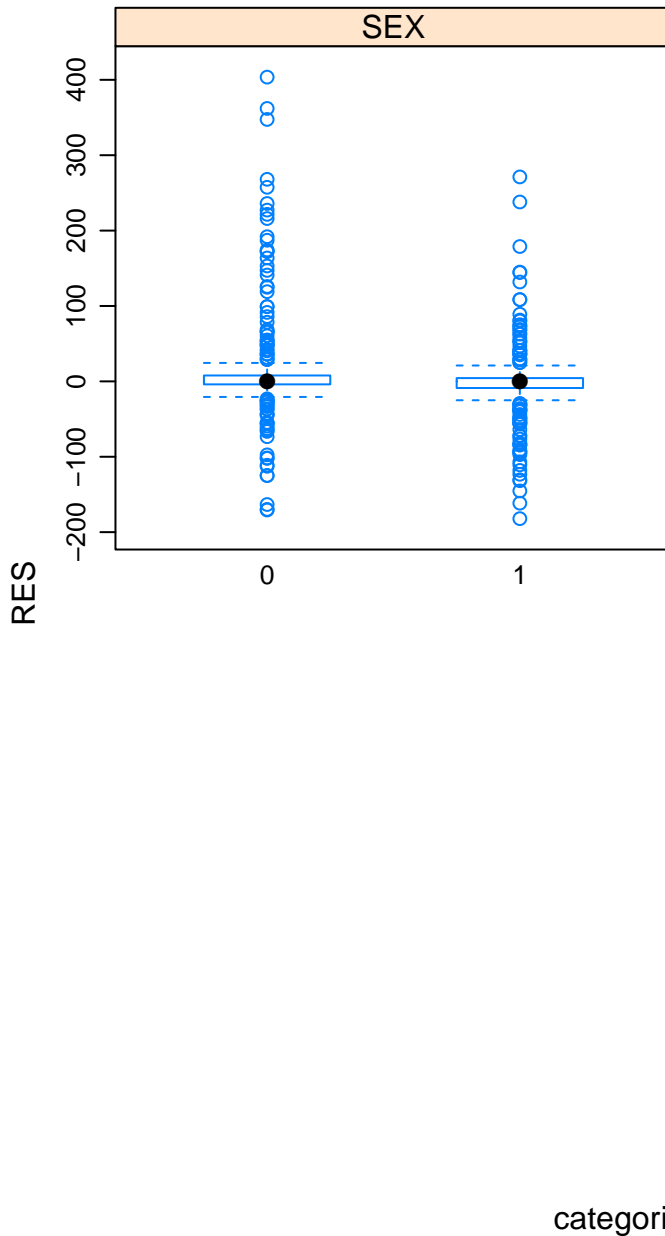
continuous covariate

Etas vs. Continuous Covariates

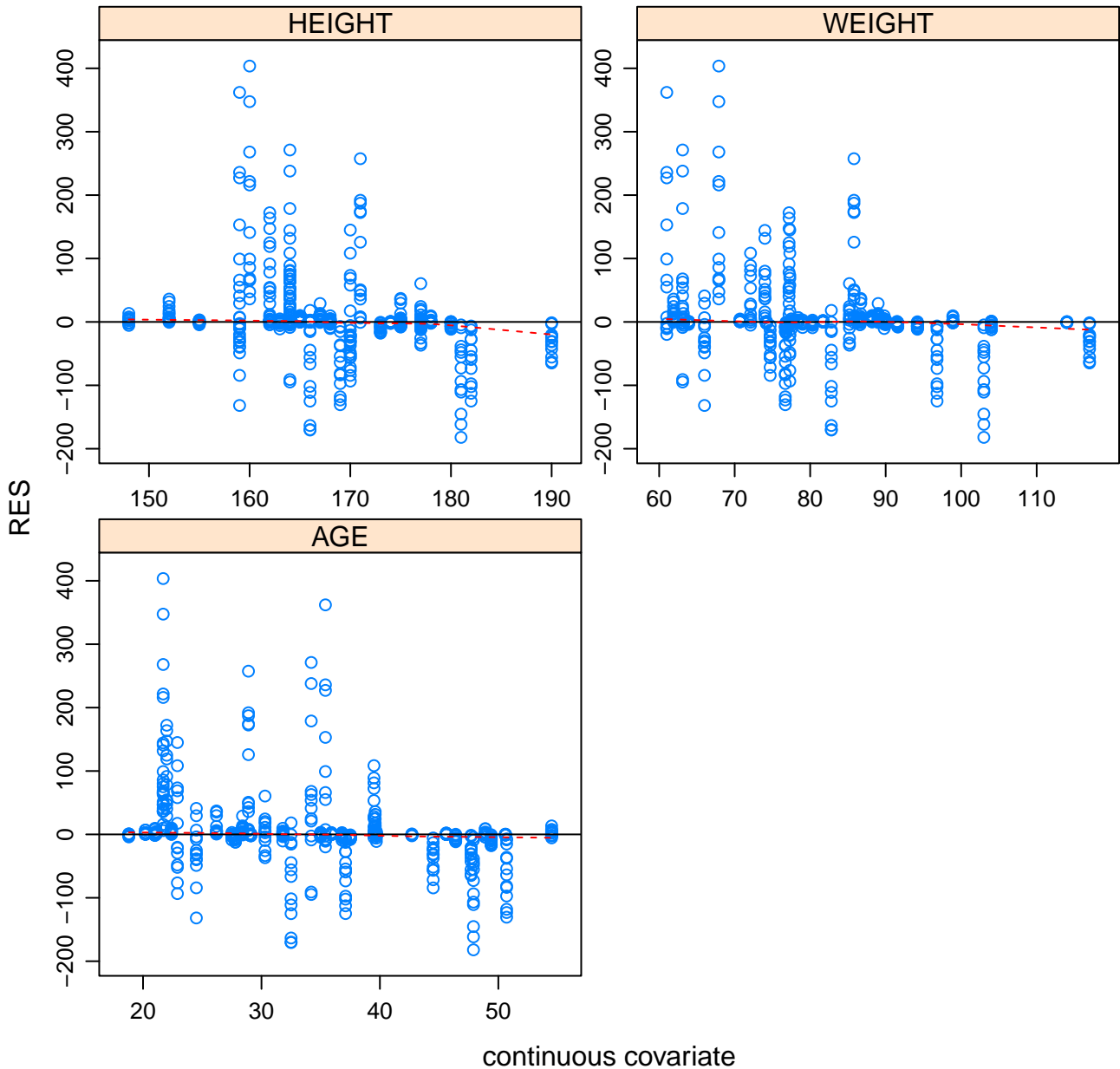


continuous covariate

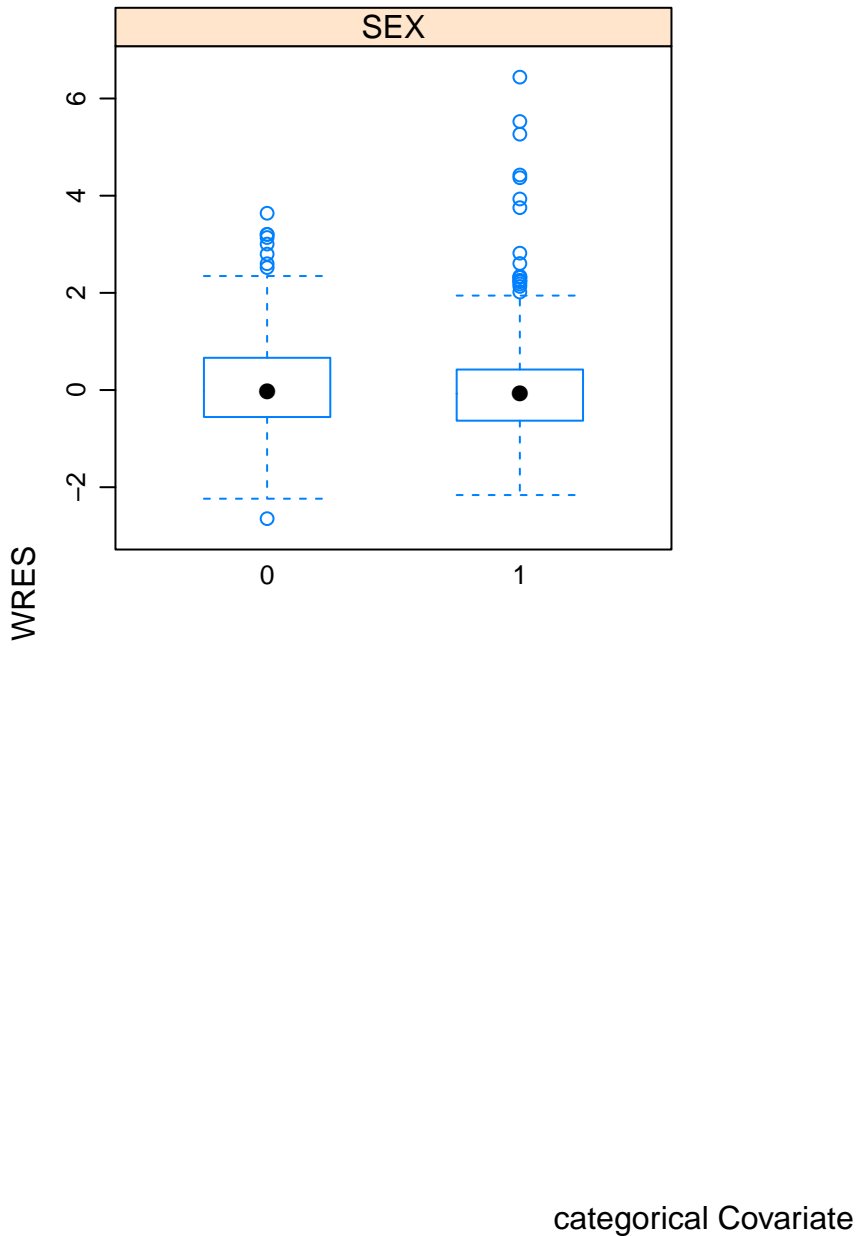
RES vs. Categorical Covariates



RES vs. Continuous Covariates

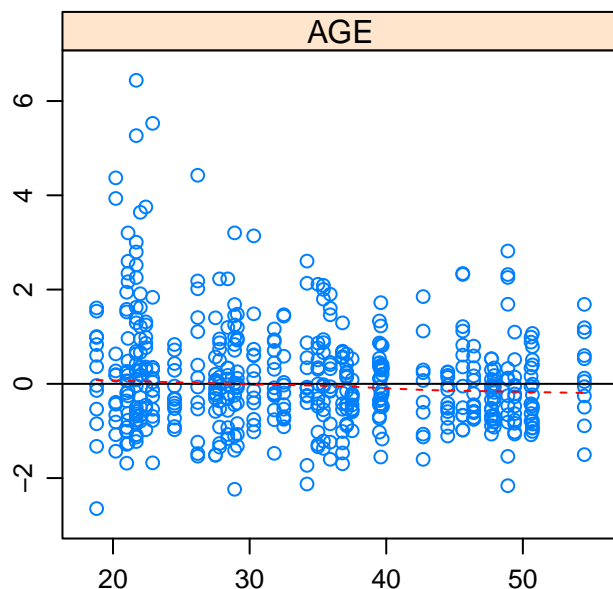
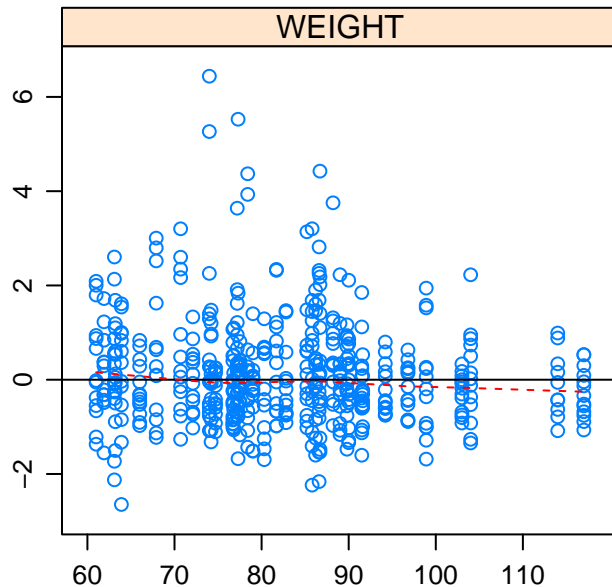
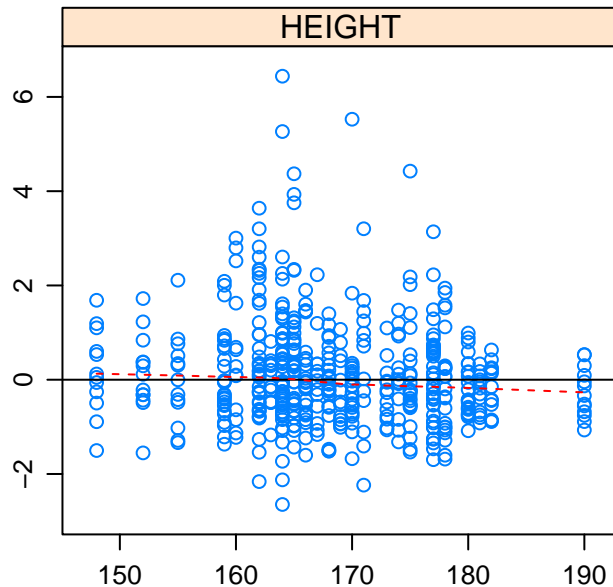


WRES vs. Categorical Covariates



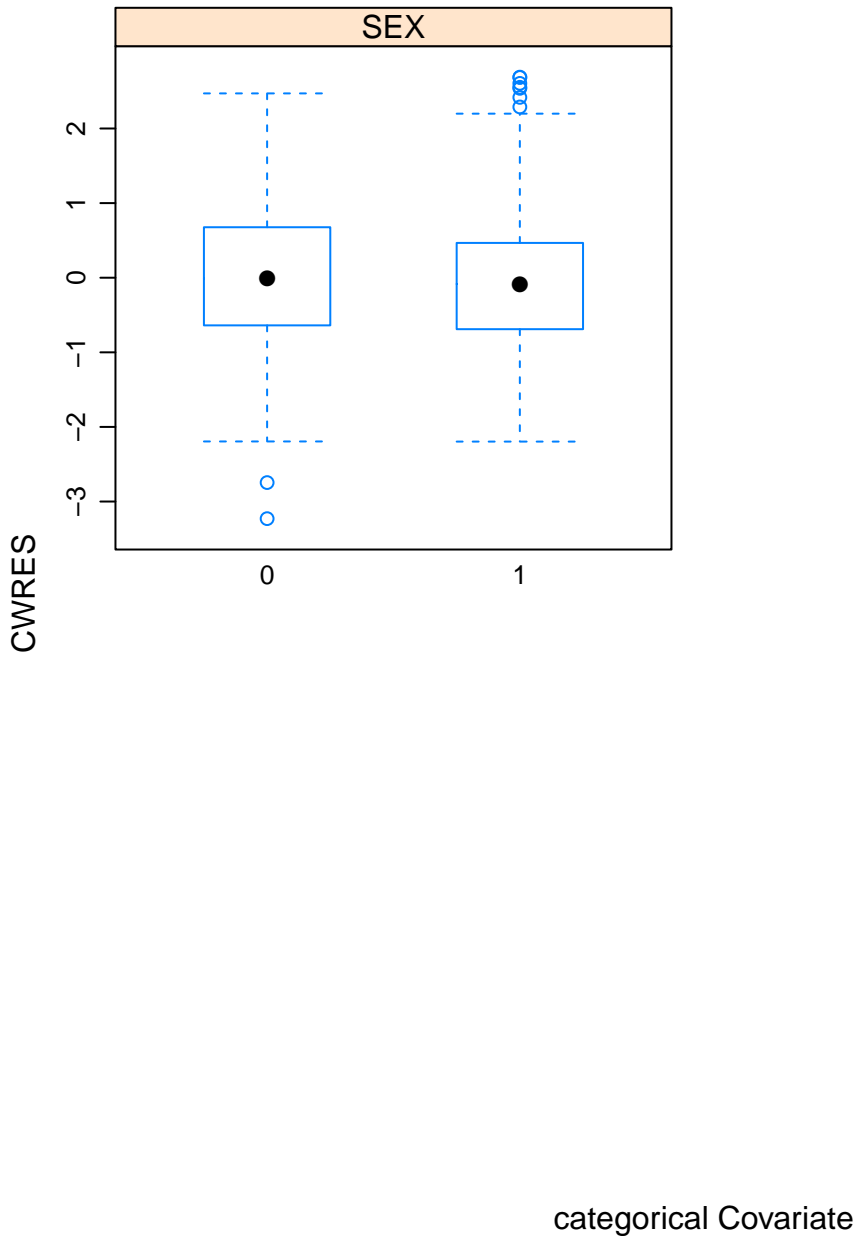
WRES vs. Continuous Covariates

WRES

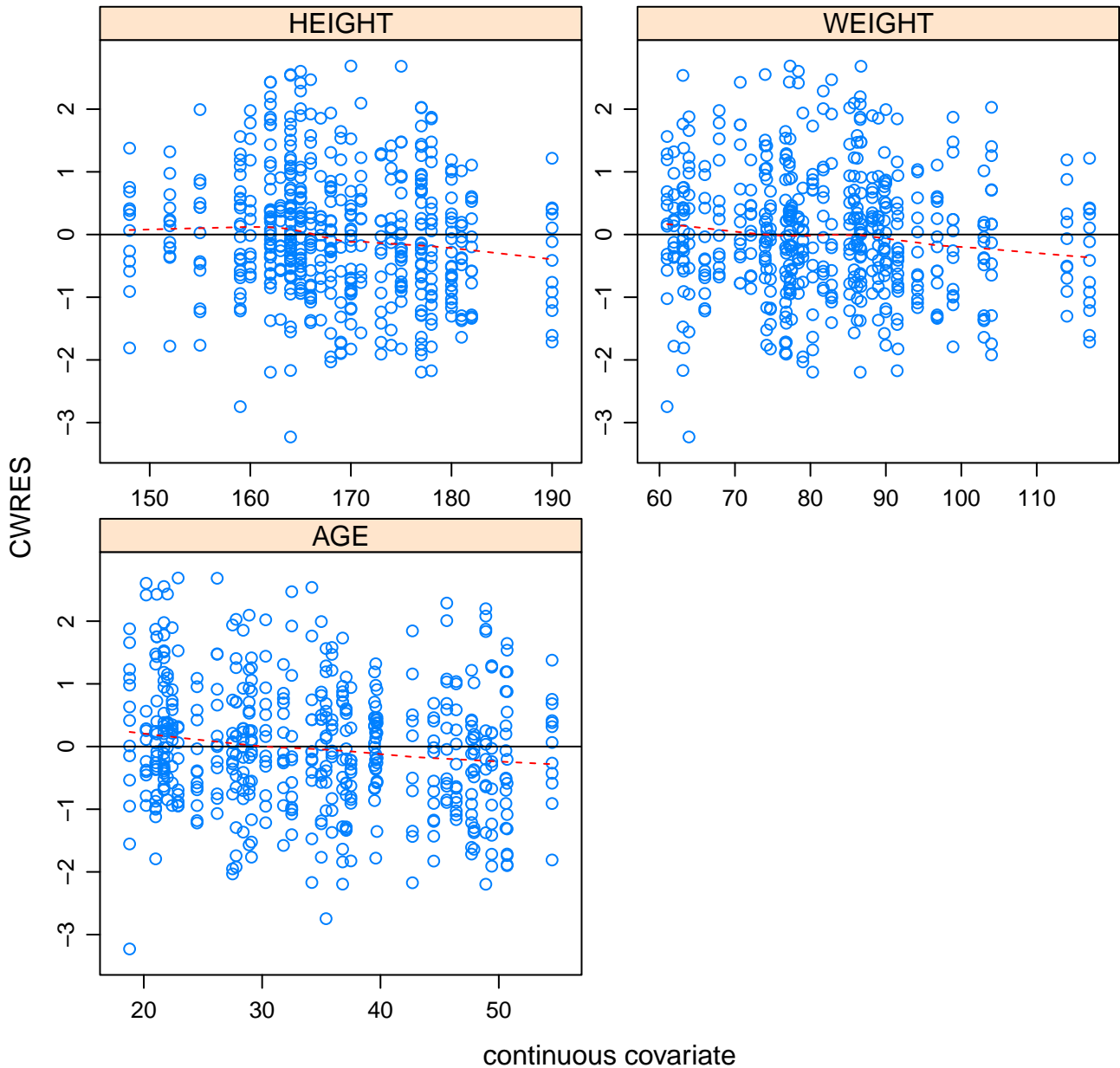


continuous covariate

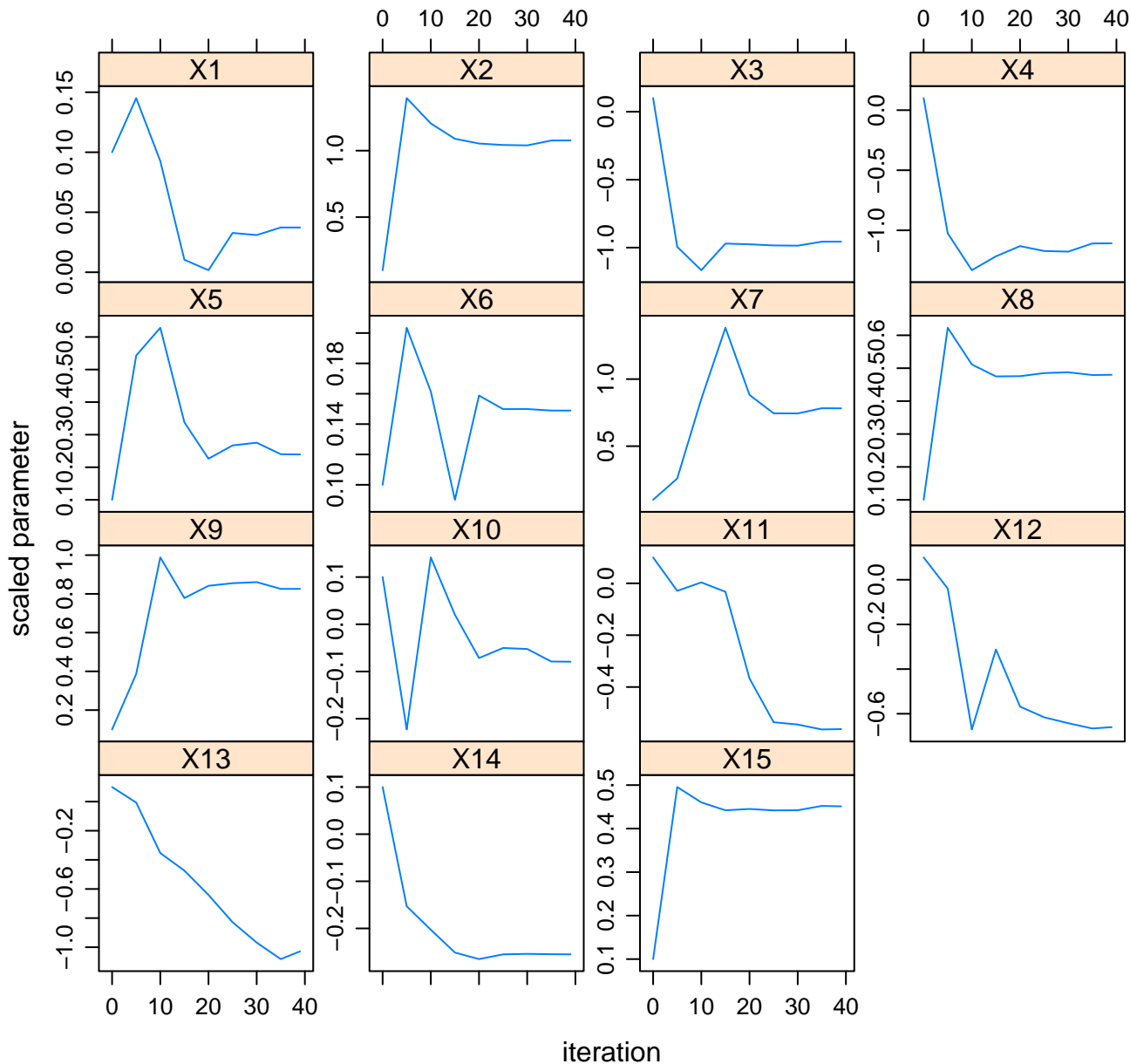
CWRES vs. Categorical Covariates



CWRES vs. Continuous Covariates



Model 1005 parameter search



Model 1005 gradient search

