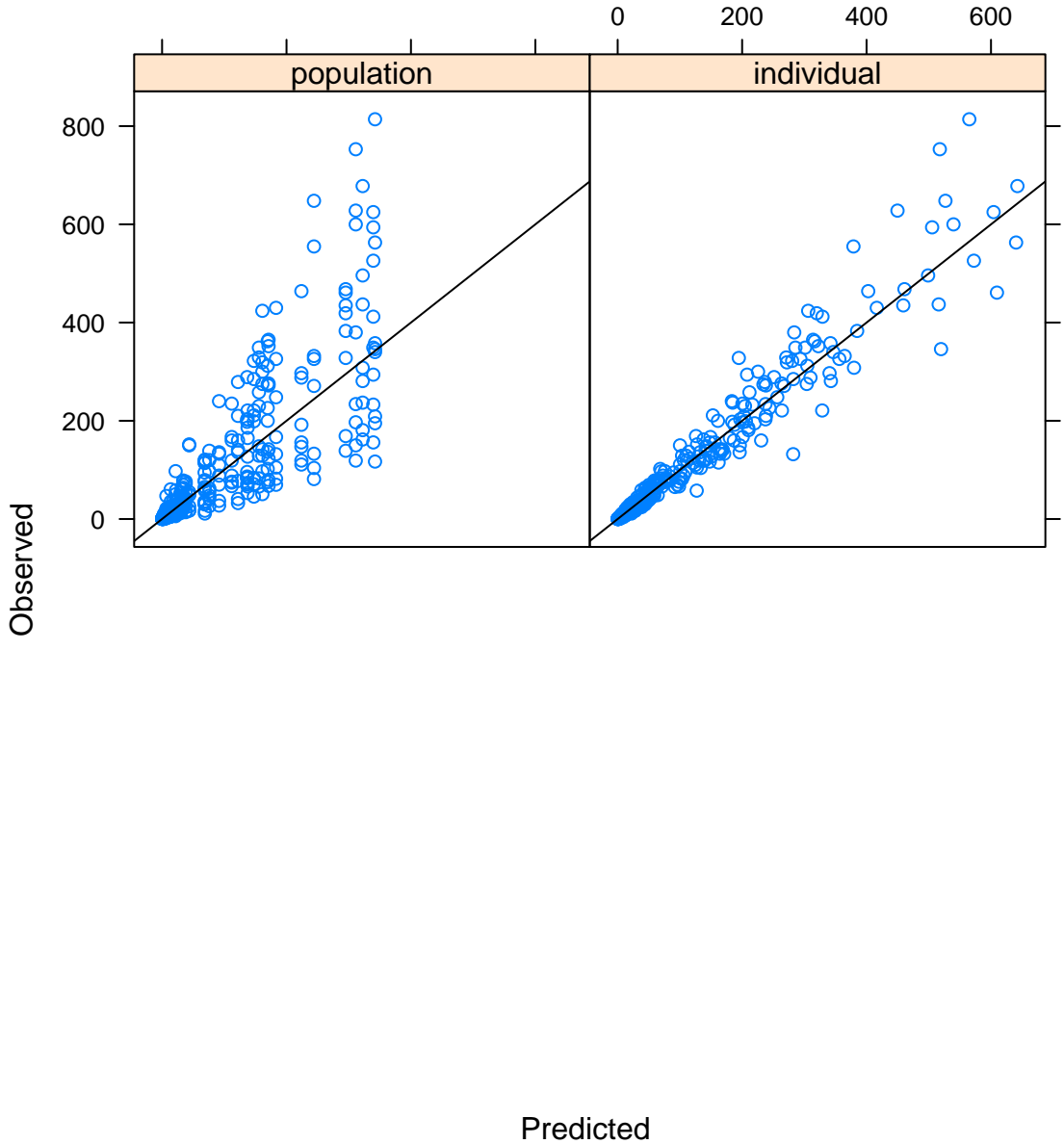


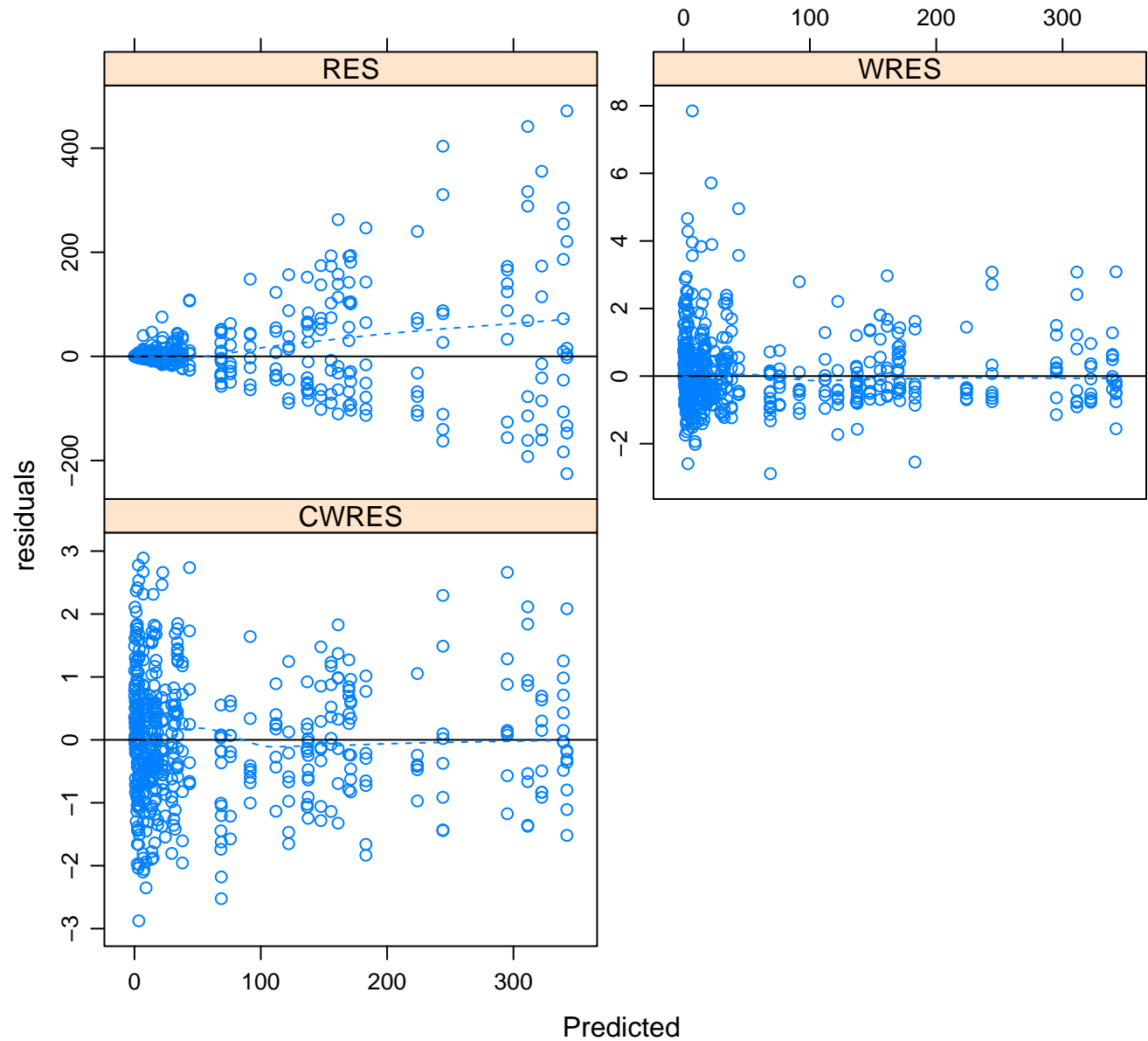
Model 1002

Observed vs. Predicted for all data



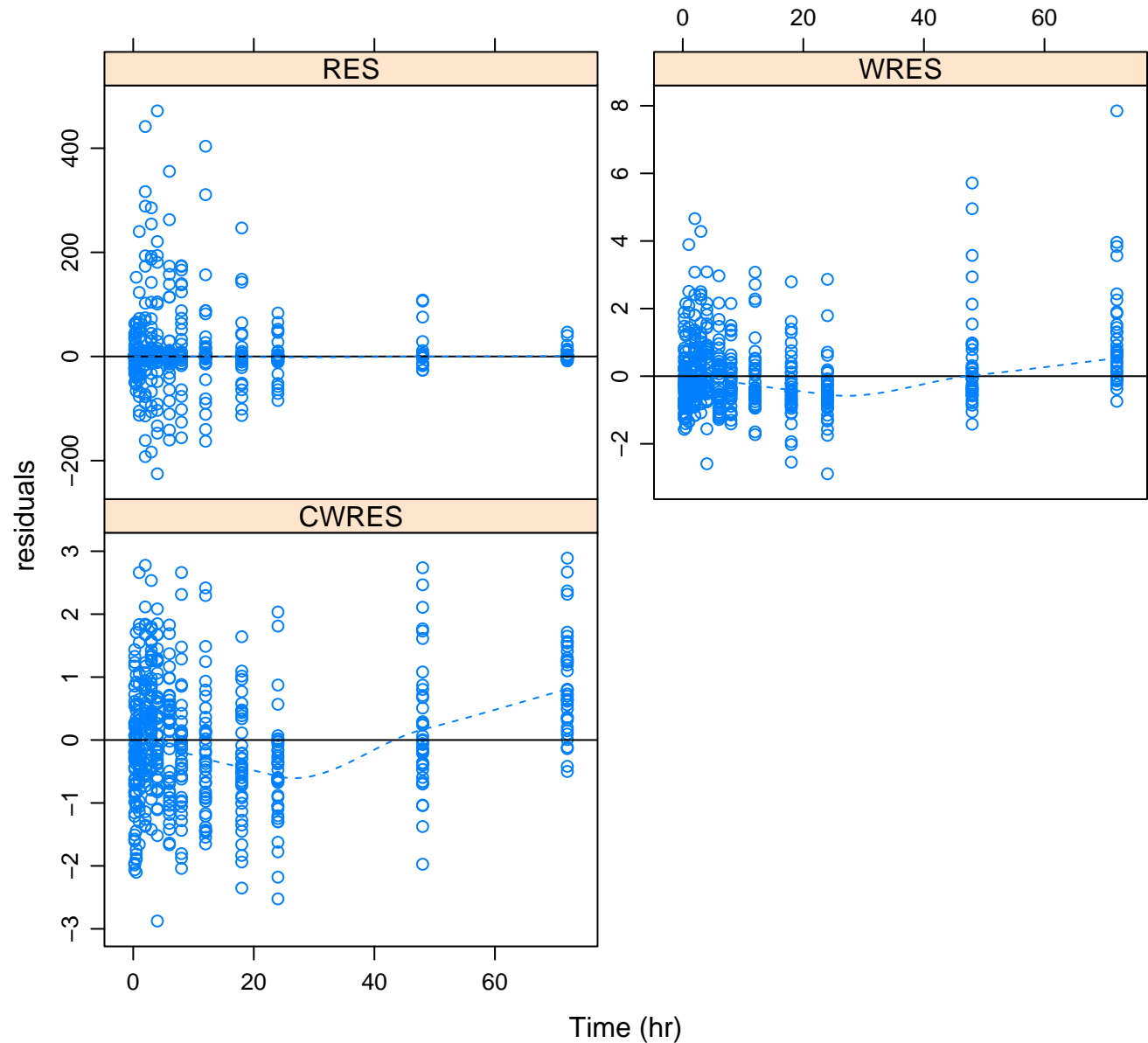
Model 1002

Residuals vs. Predicted for all data



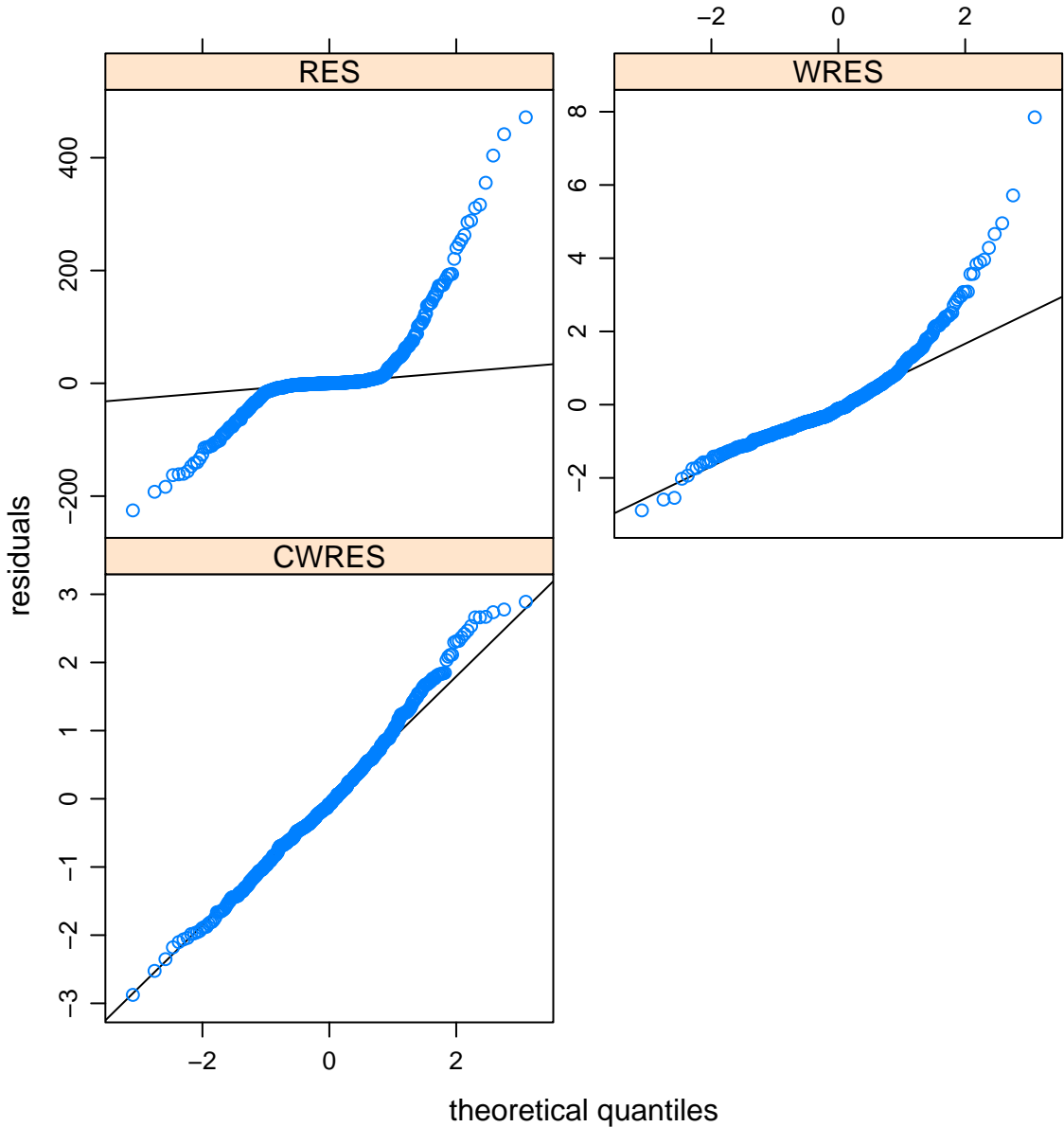
Model 1002

Residuals vs. Time for all data

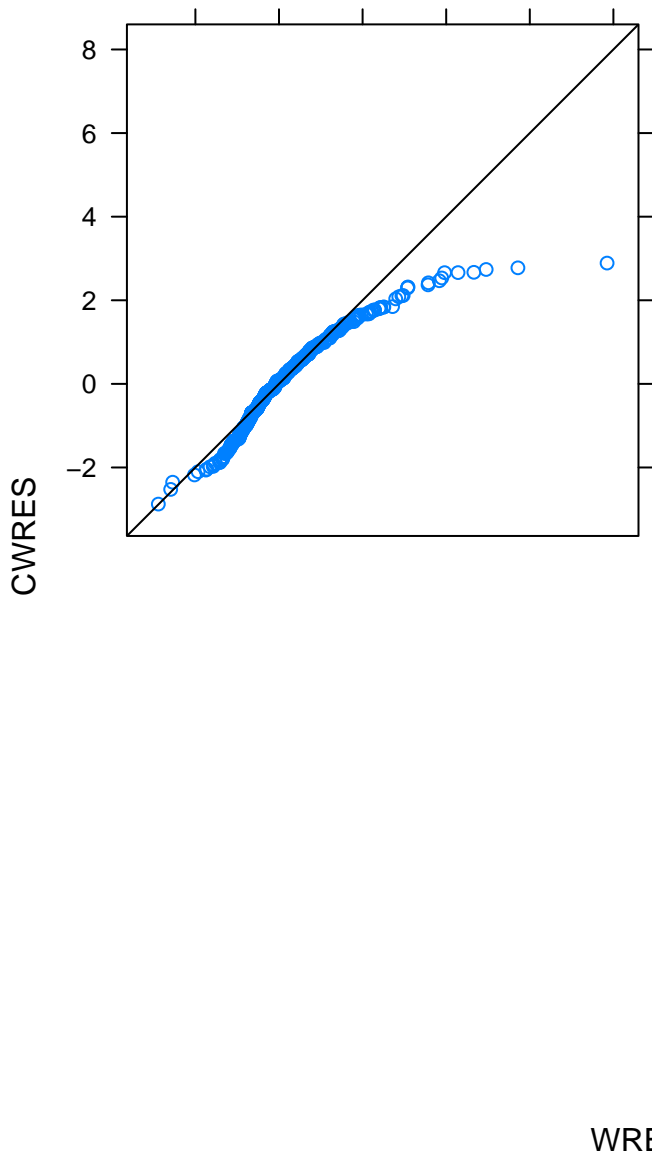


Model 1002

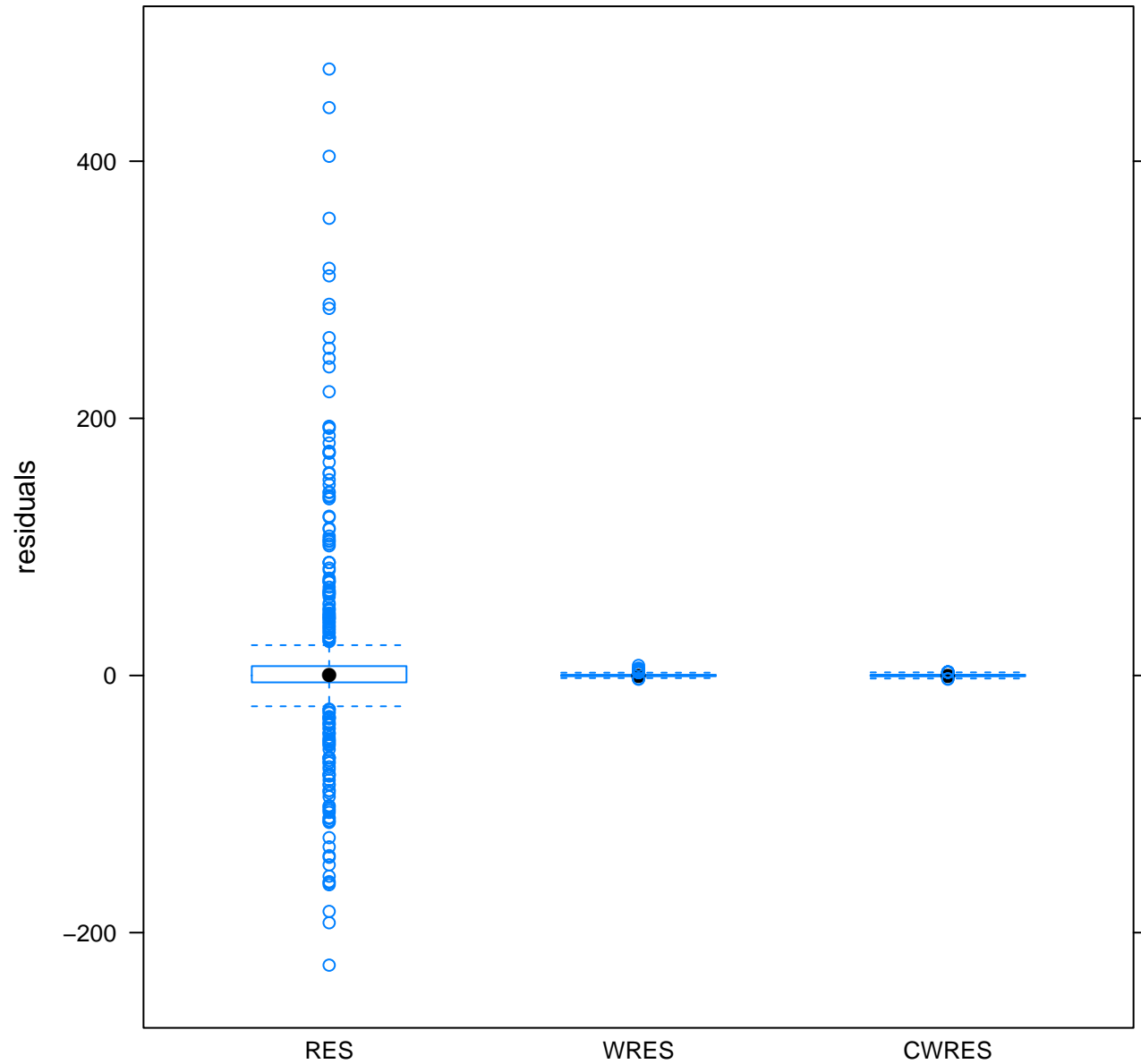
Normal Q-Q Plot Residuals for all data



Model 1002
Q-Q Plot of CWRES vs. WRES for all data

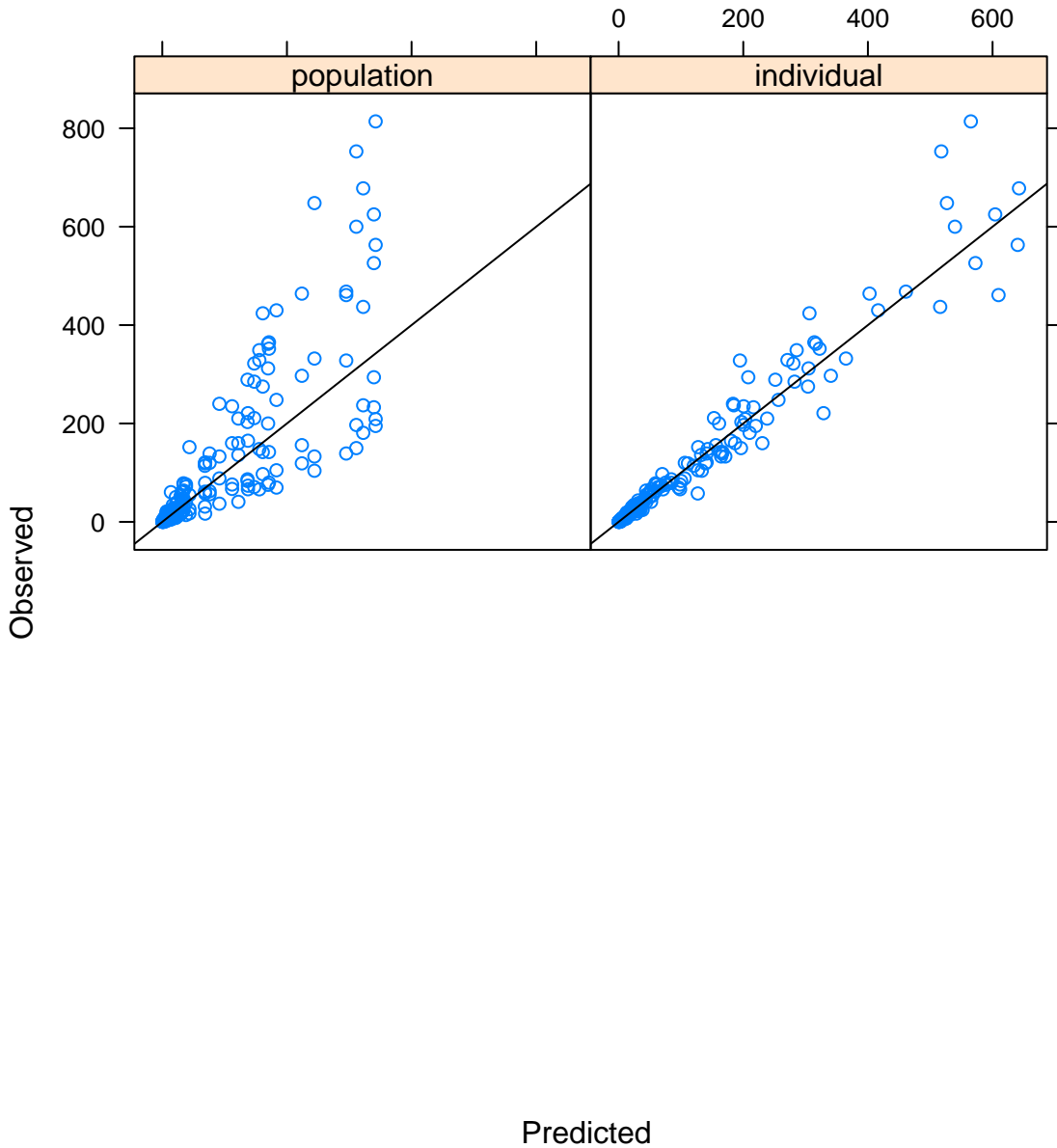


Model 1002 Boxplots of Residuals for all data



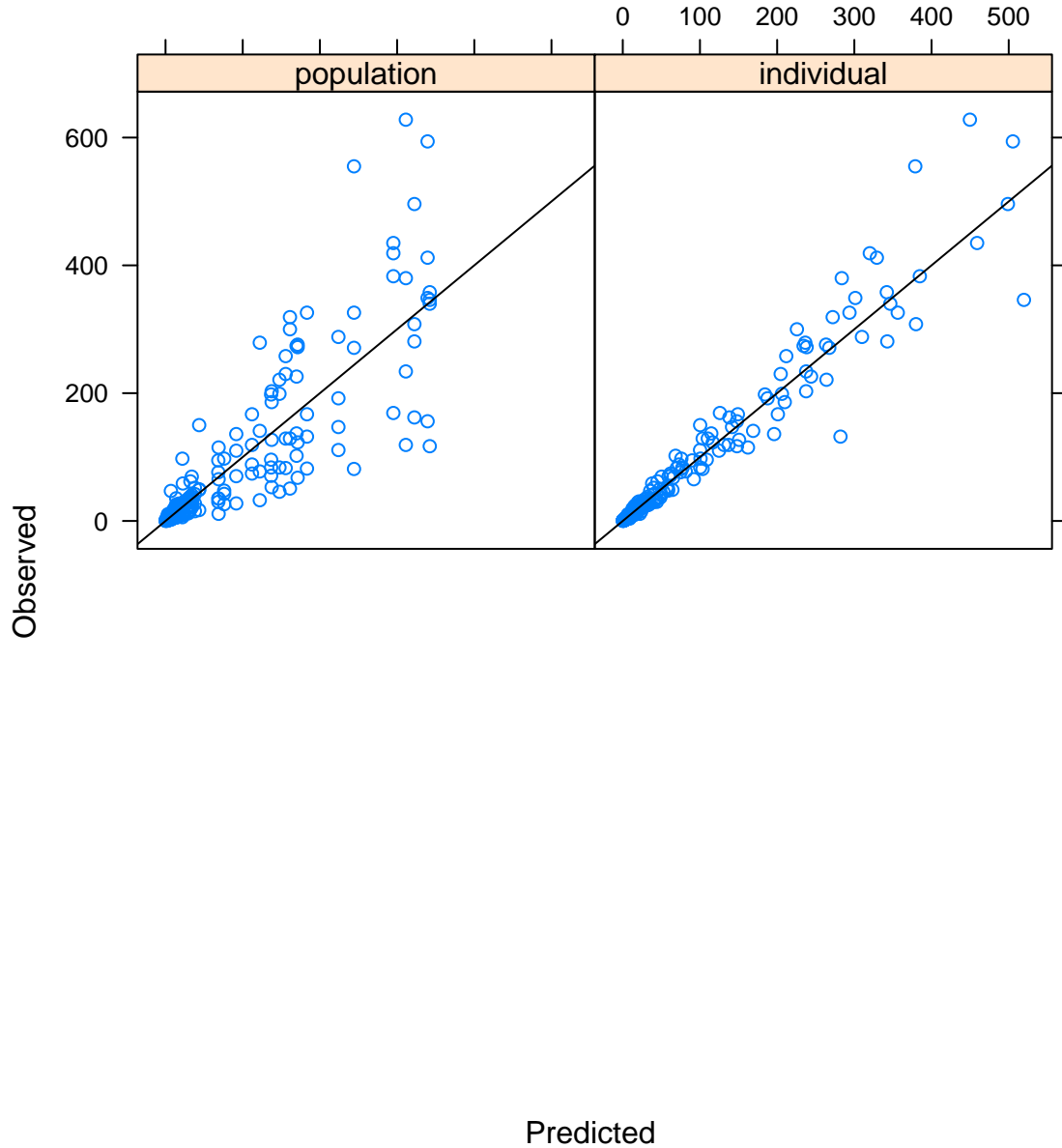
Model 1002

Observed vs. Predicted for female data



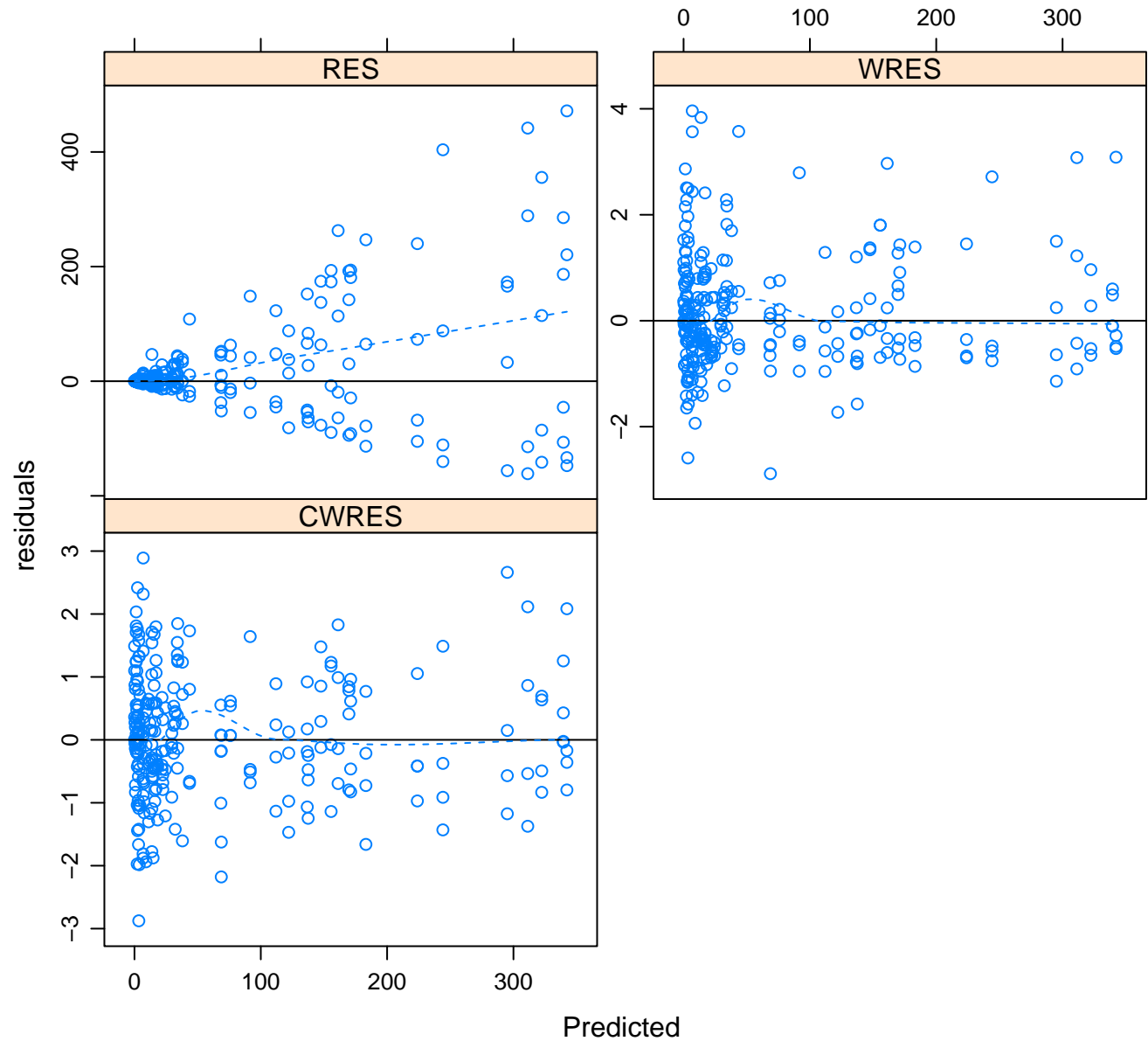
Model 1002

Observed vs. Predicted for male data

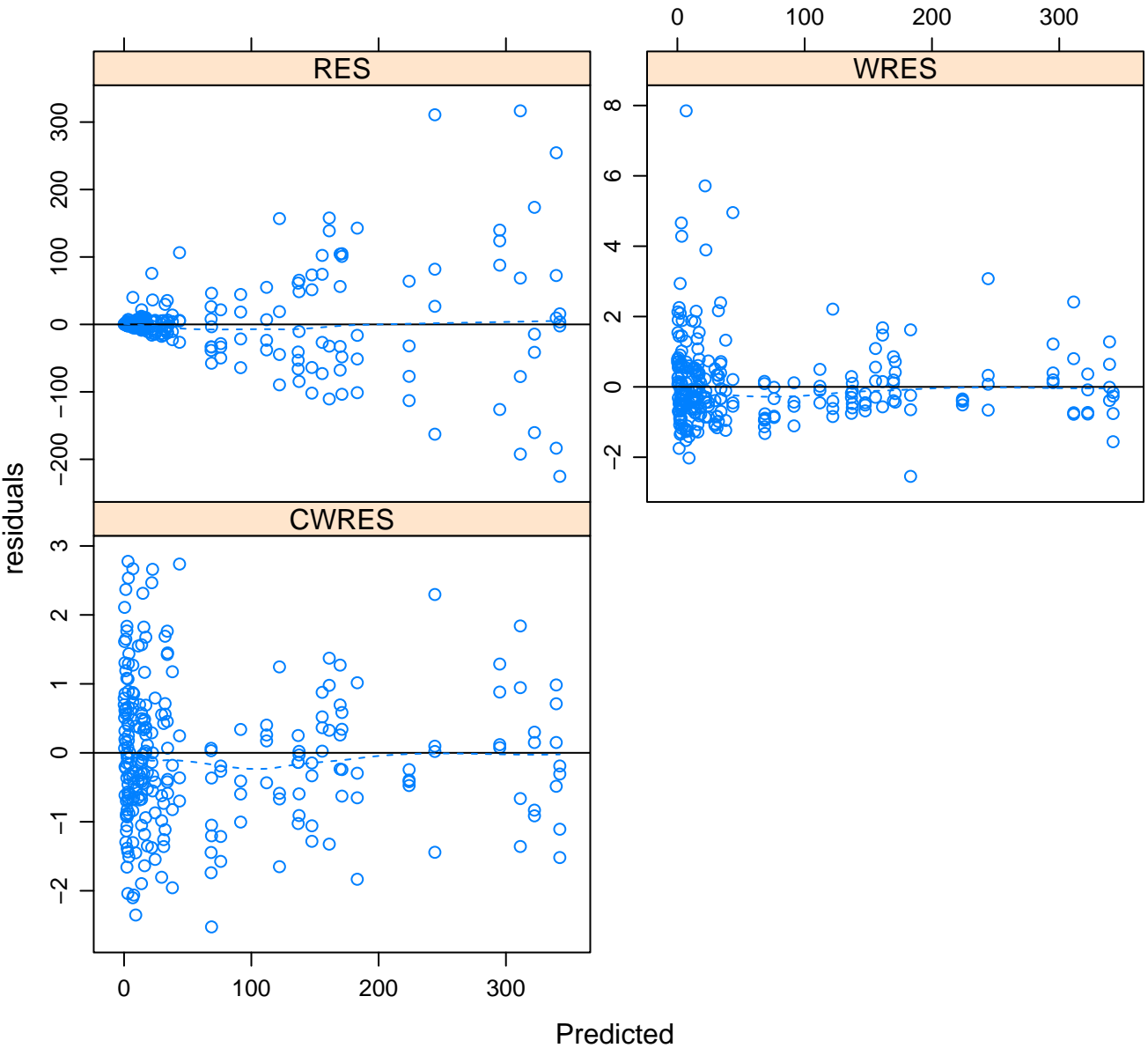


Model 1002

Residuals vs. Predicted for female data

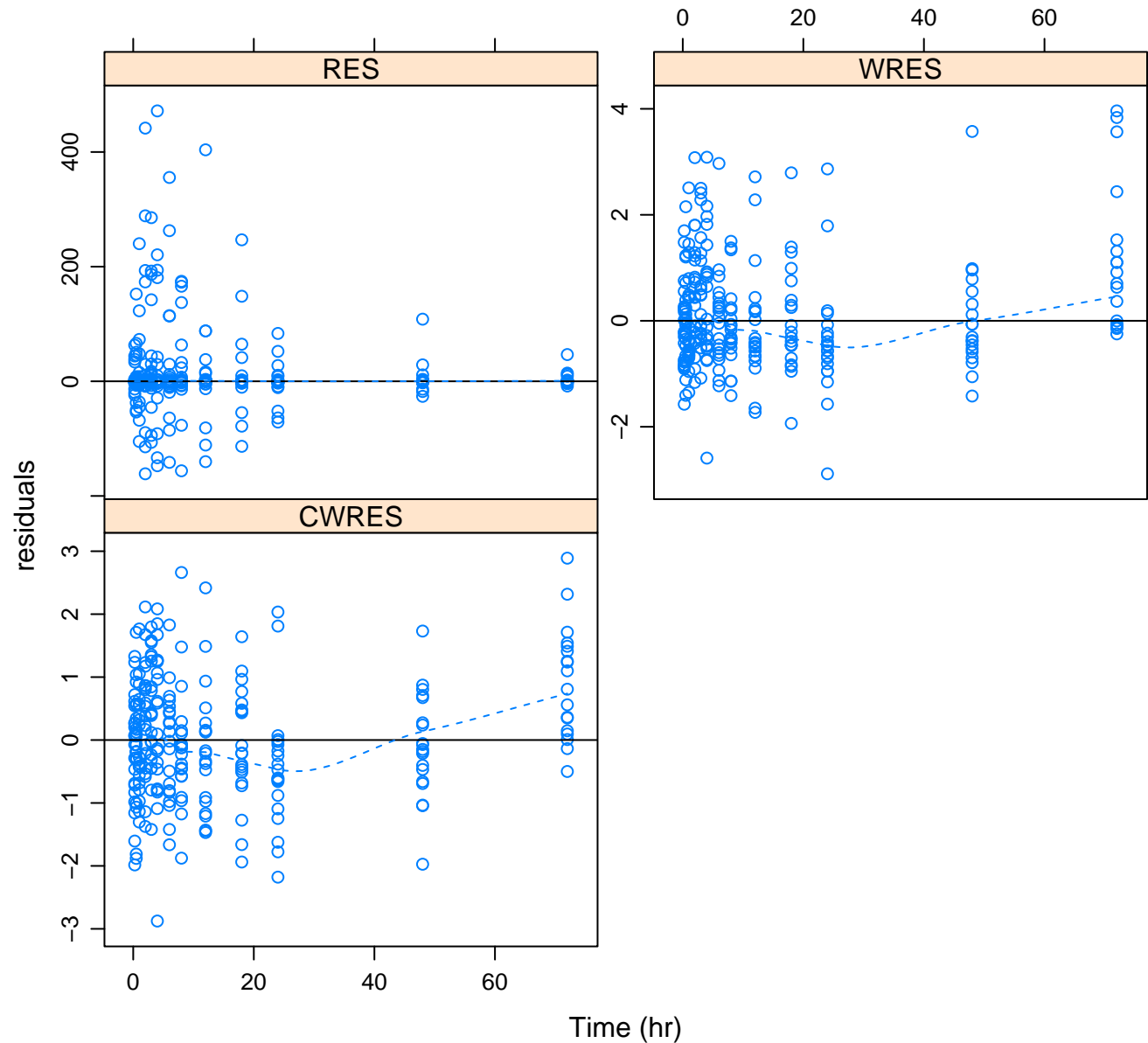


Model 1002
Residuals vs. Predicted for male data



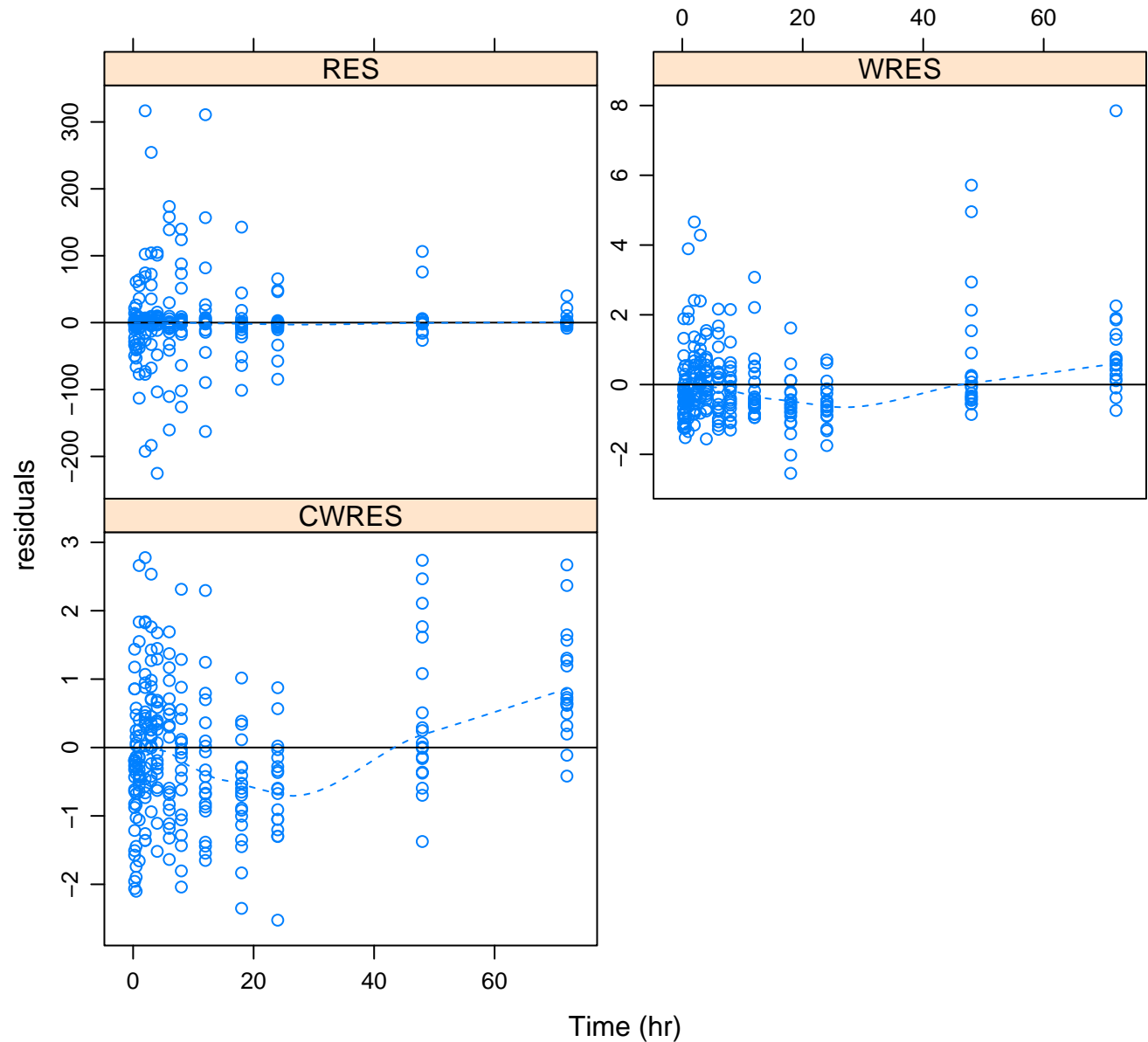
Model 1002

Residuals vs. Time for female data



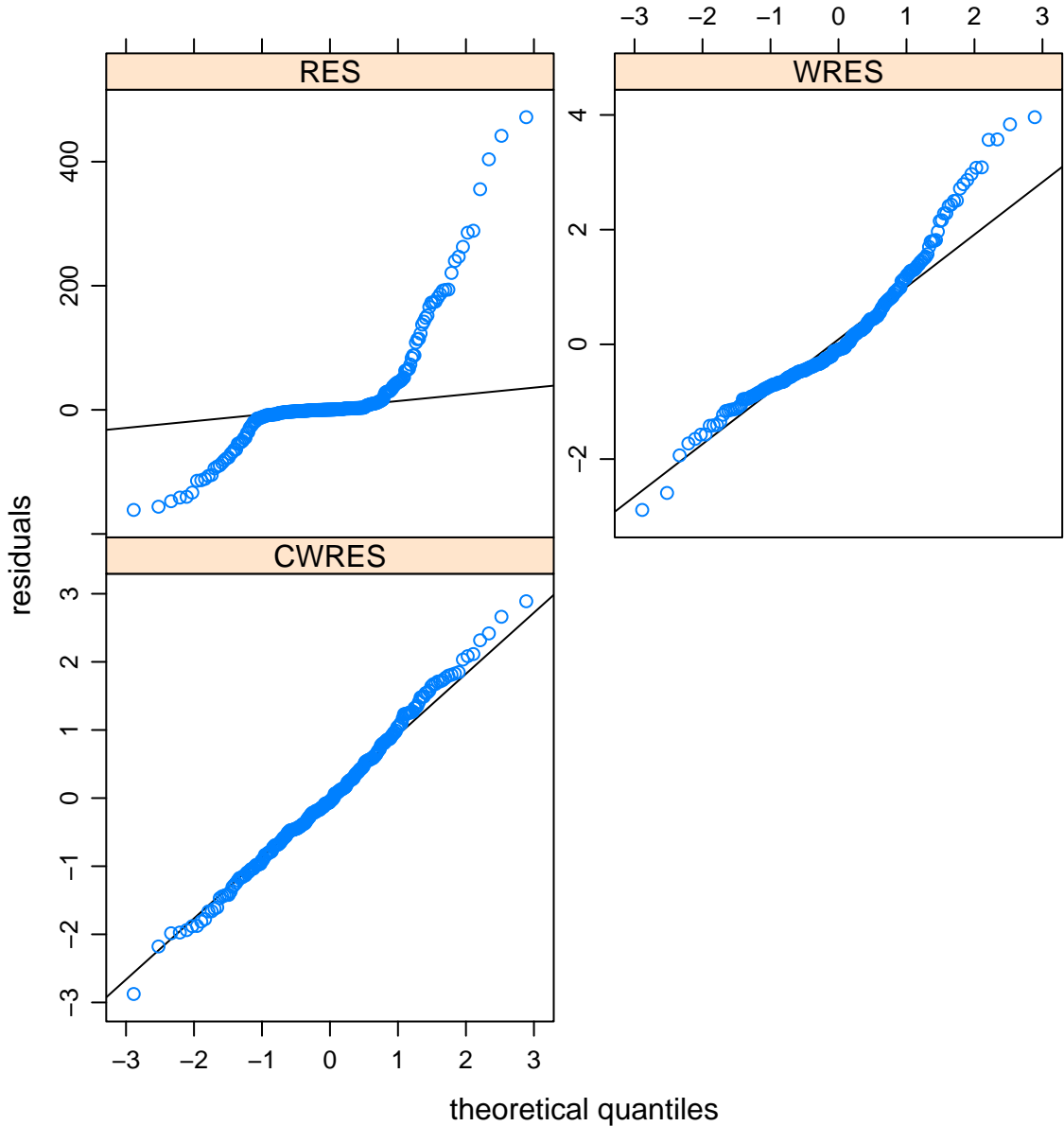
Model 1002

Residuals vs. Time for male data



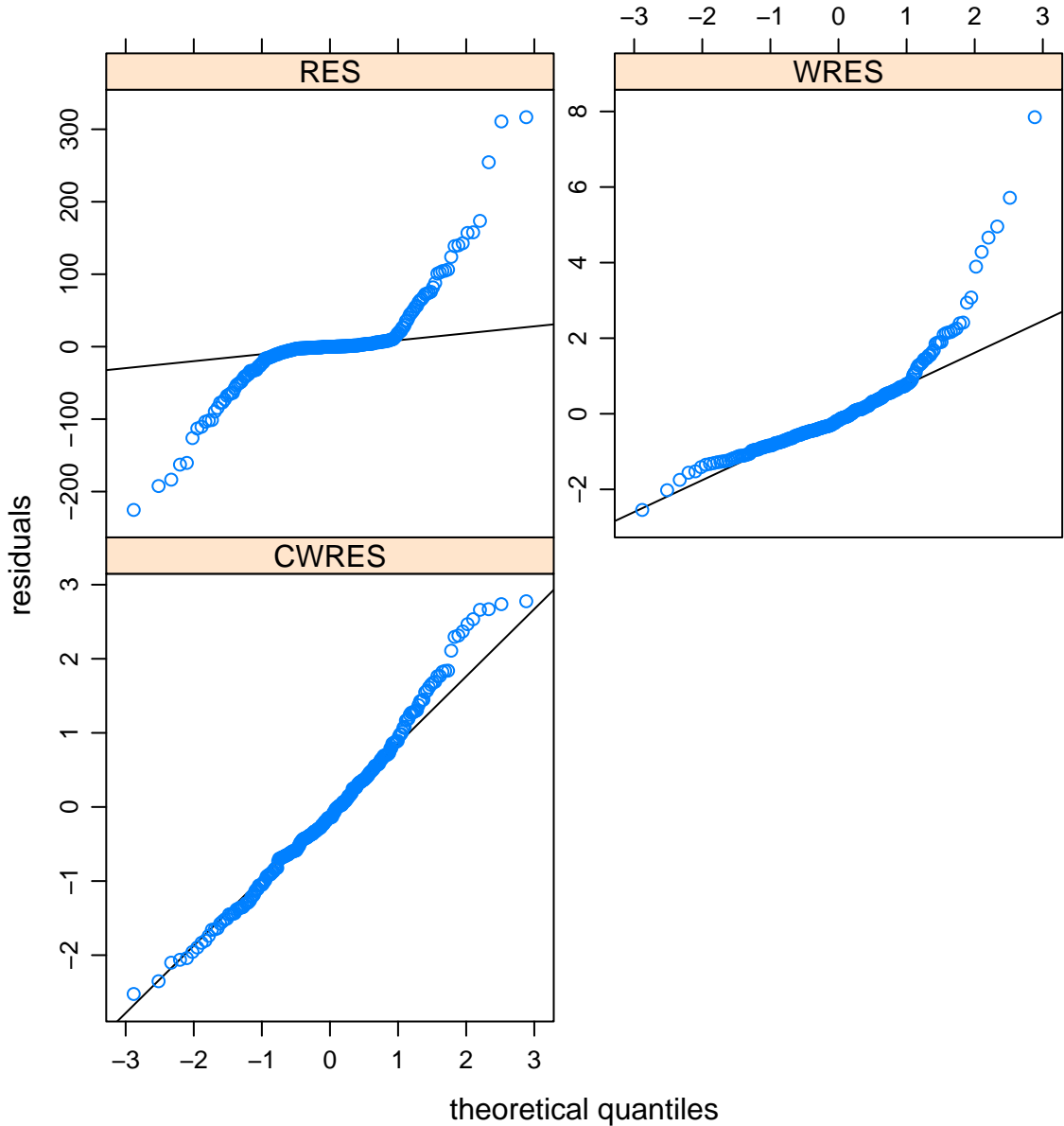
Model 1002

Normal Q-Q Plot Residuals for female data

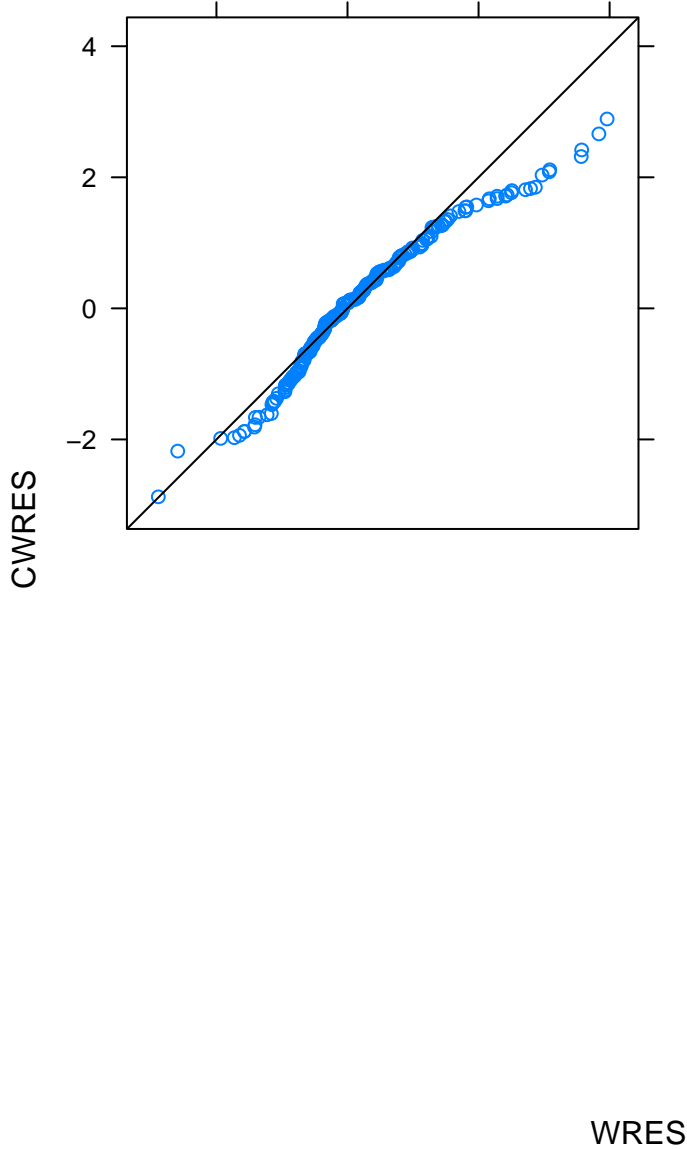


Model 1002

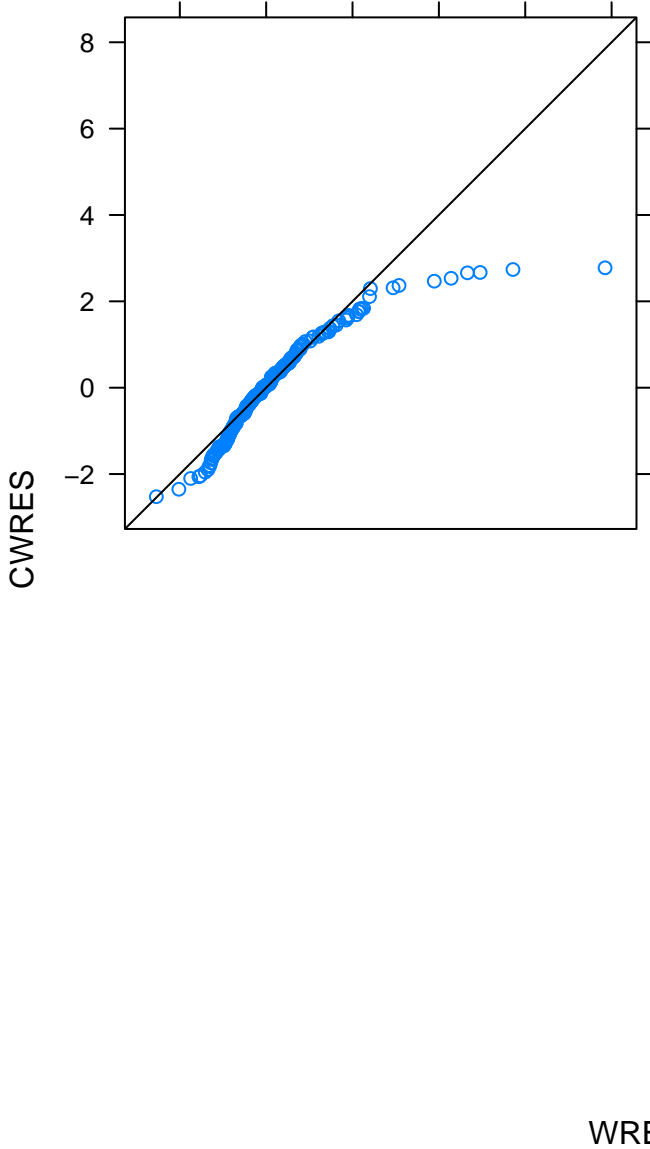
Normal Q-Q Plot Residuals for male data



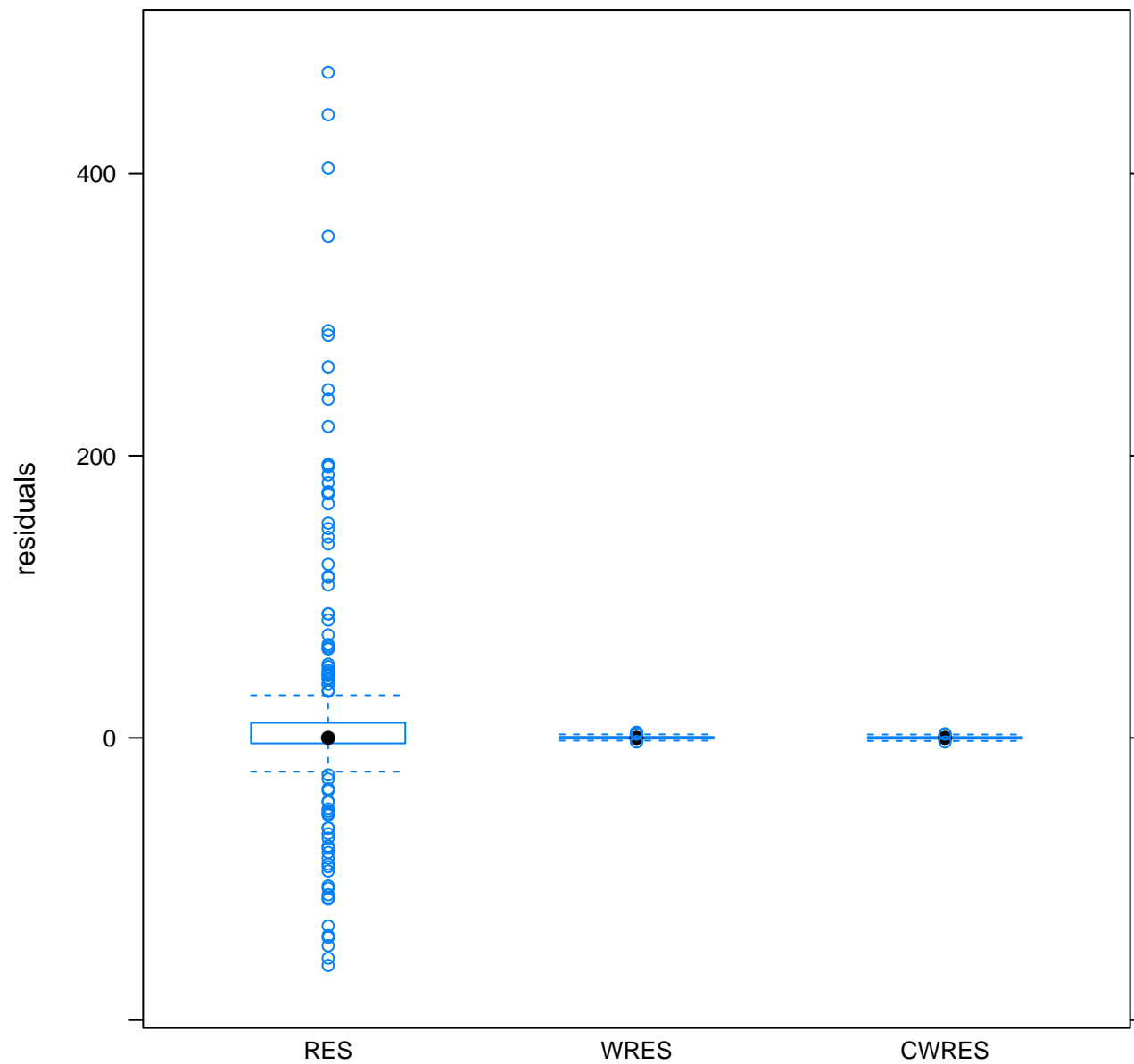
Model 1002
Q-Q Plot of CWRES vs. WRES for female data



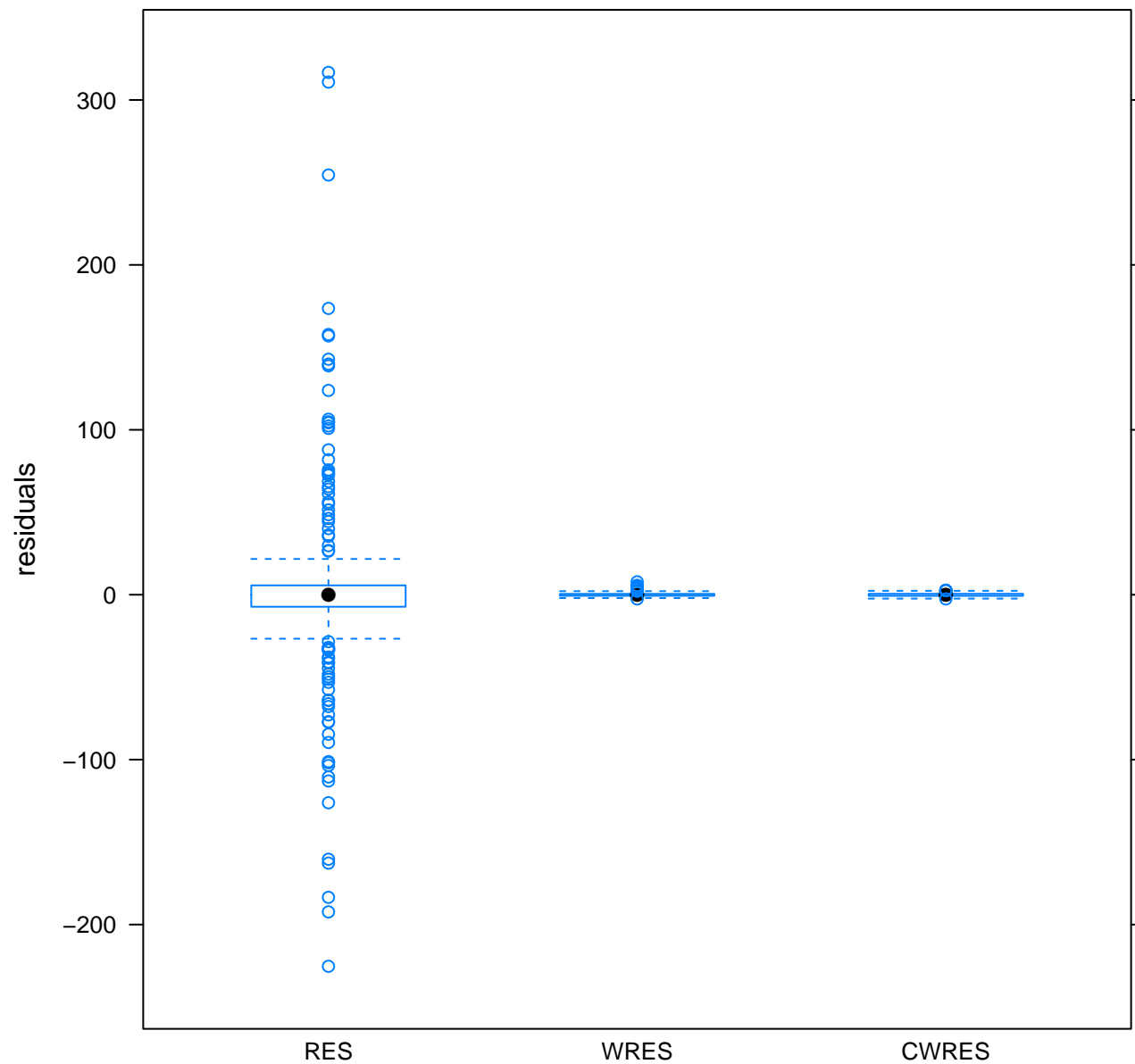
Model 1002
Q-Q Plot of CWRES vs. WRES for male data



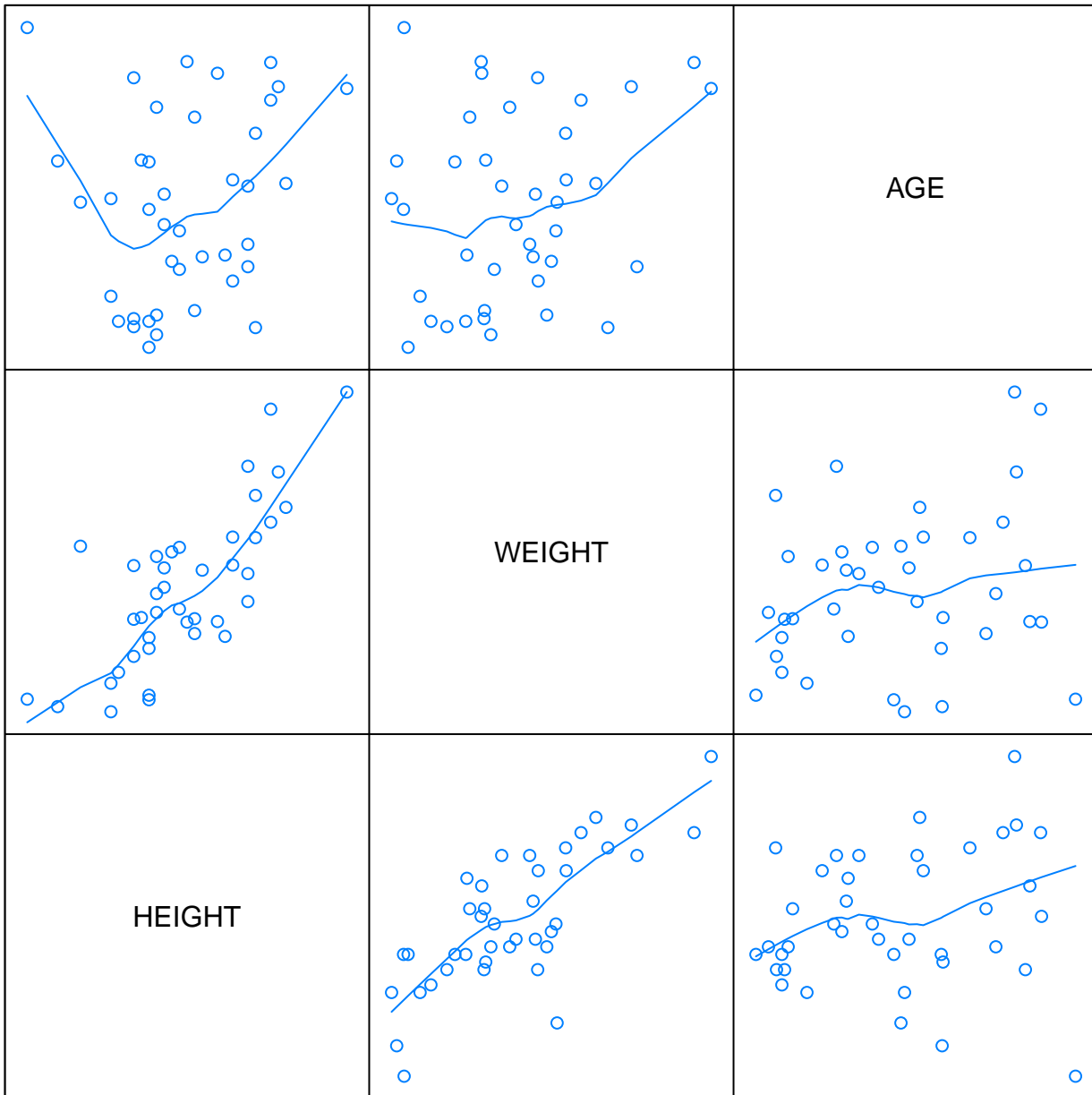
Model 1002 Boxplots of Residuals for female data



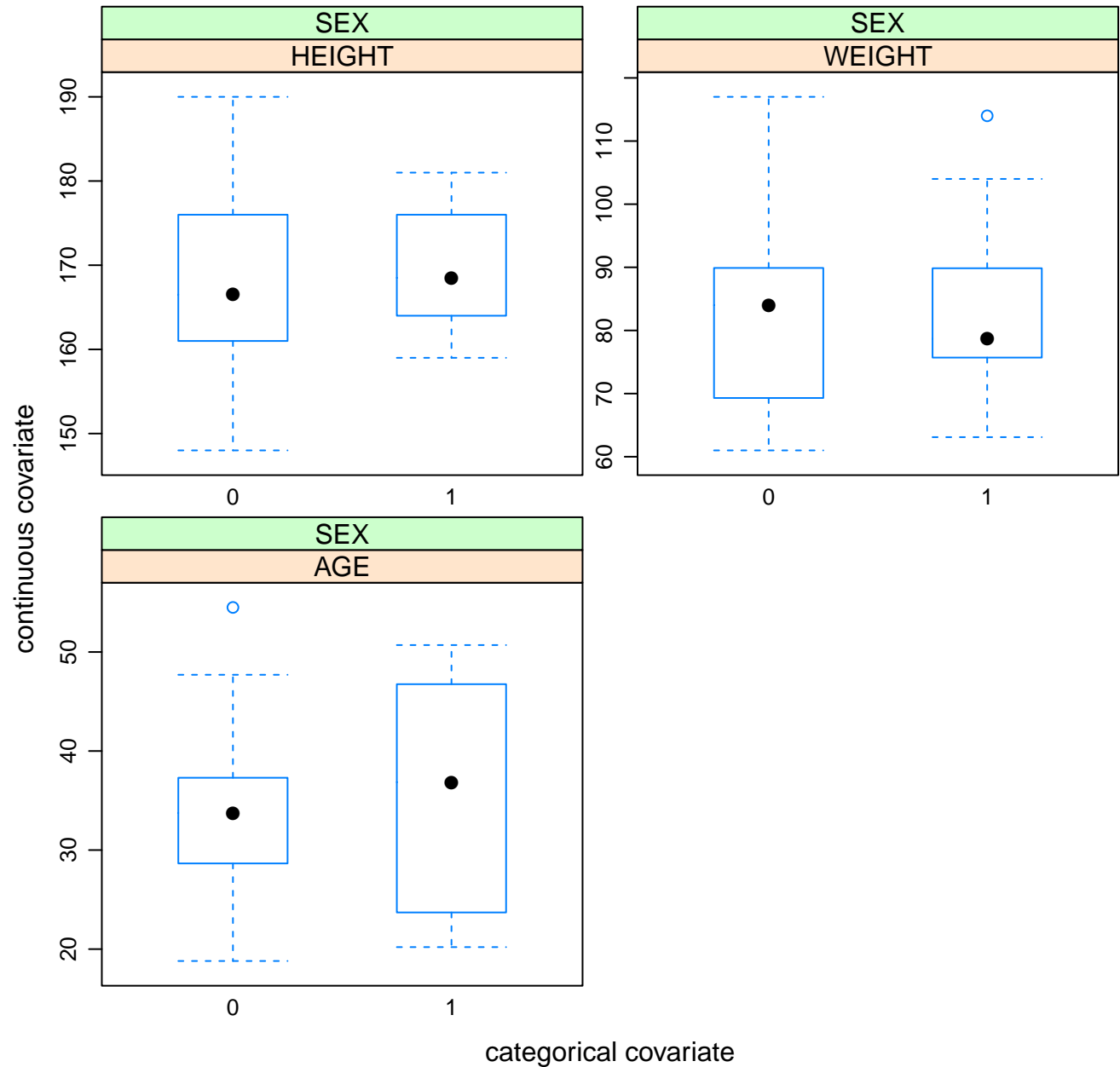
Model 1002 Boxplots of Residuals for male data



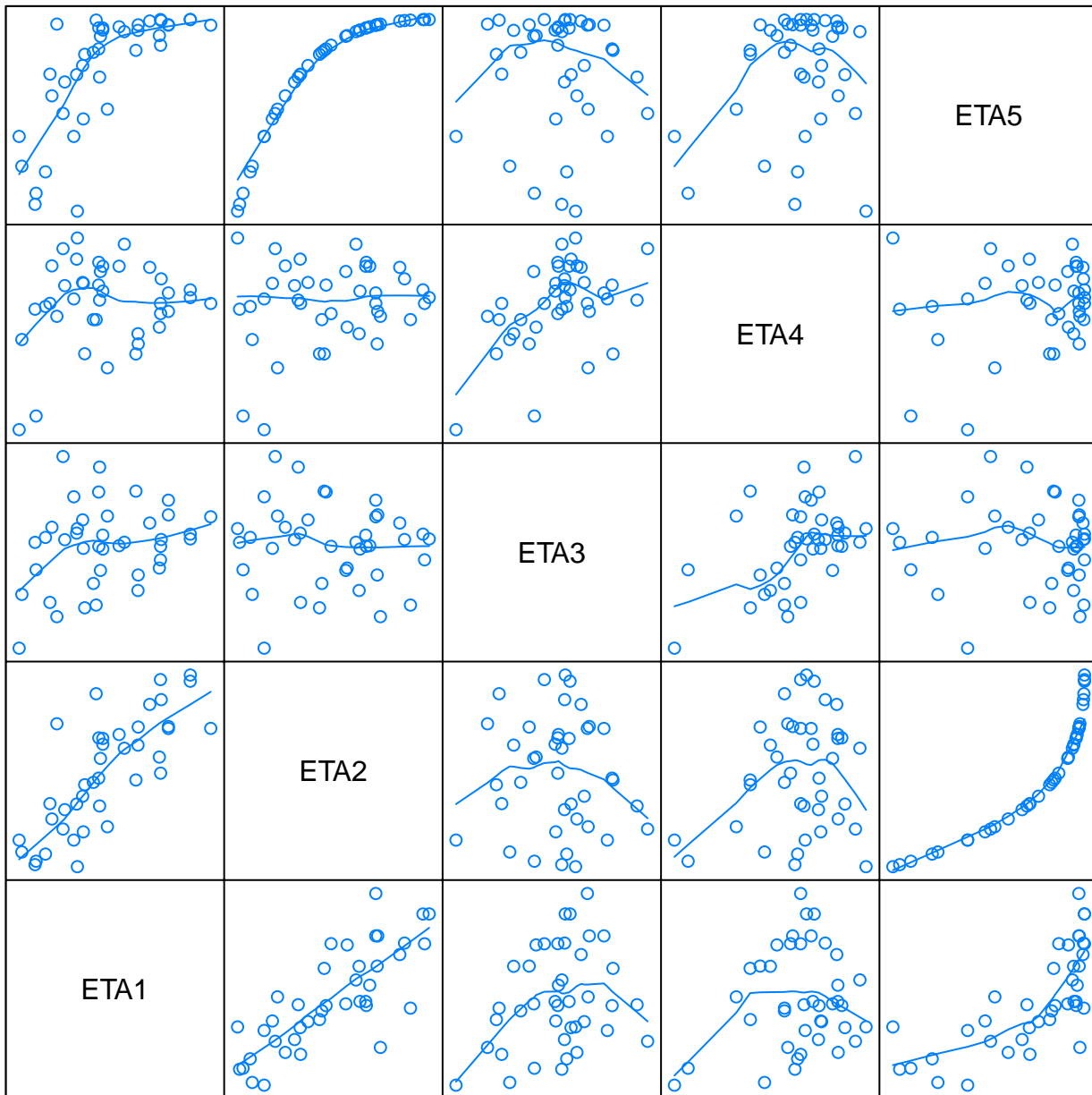
Covariate Scatterplots



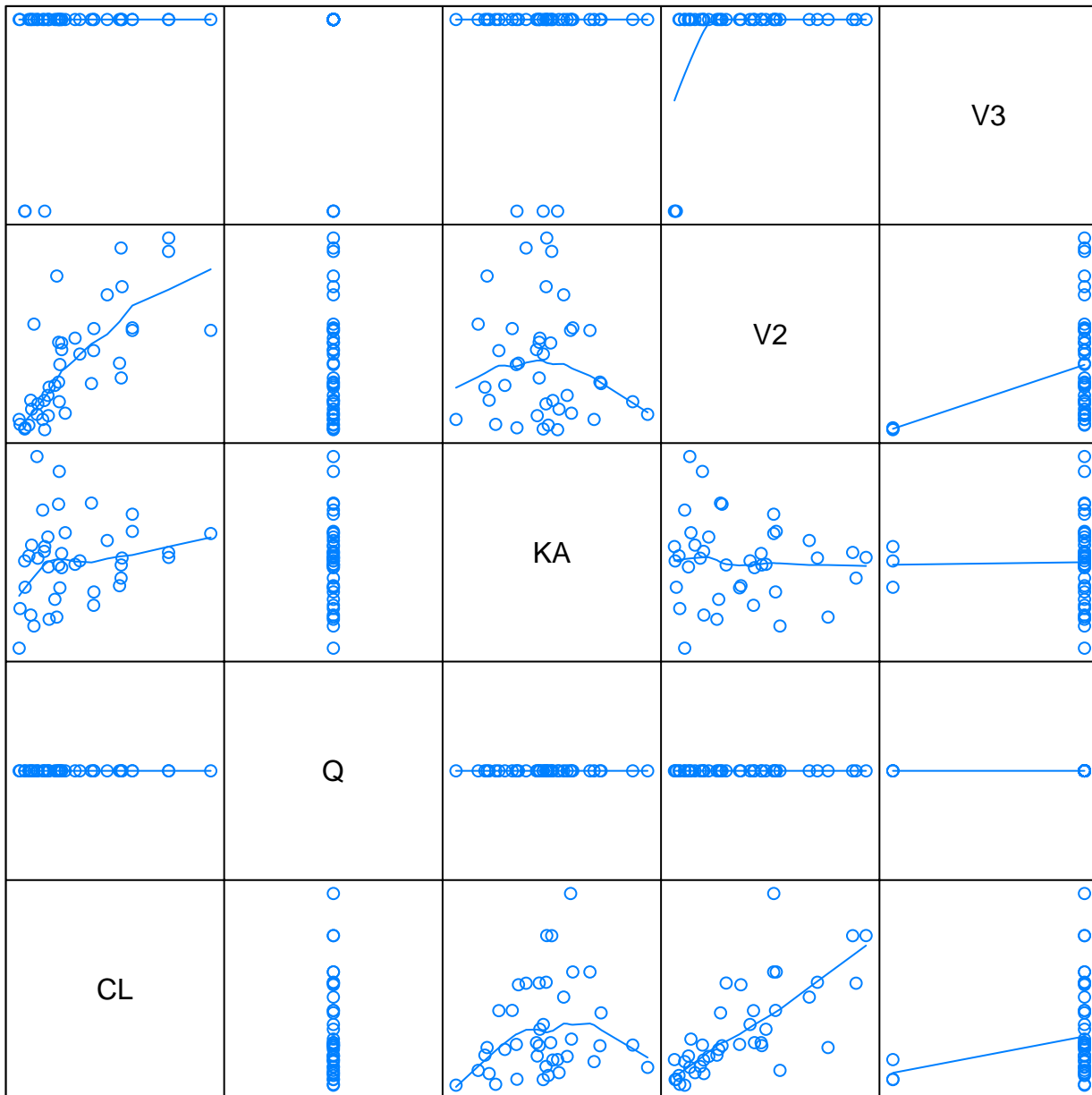
Continuous Covariates vs. Categorical Covariates



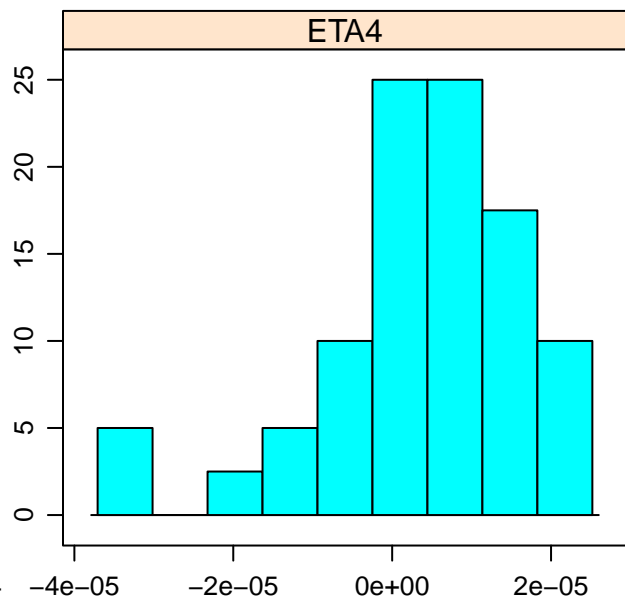
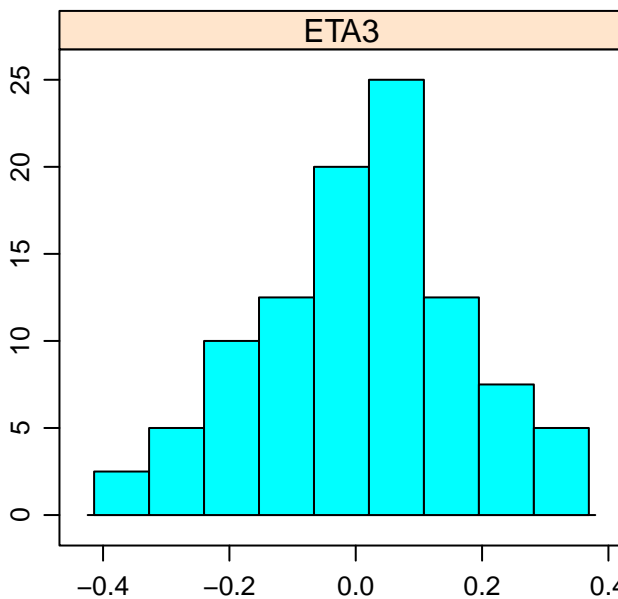
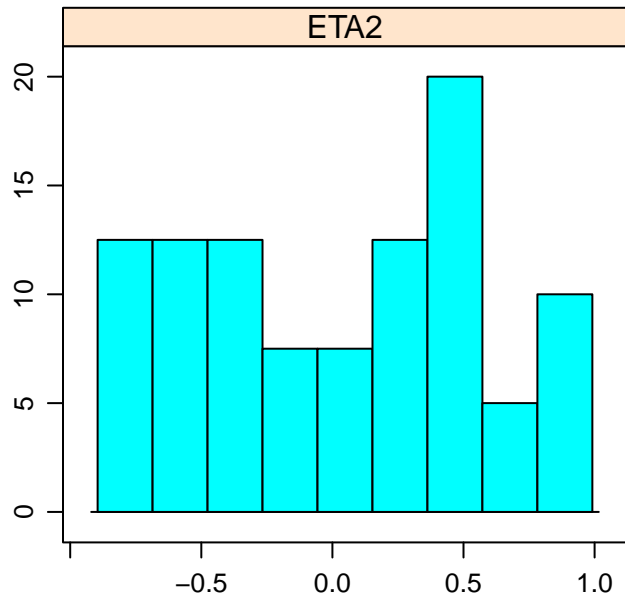
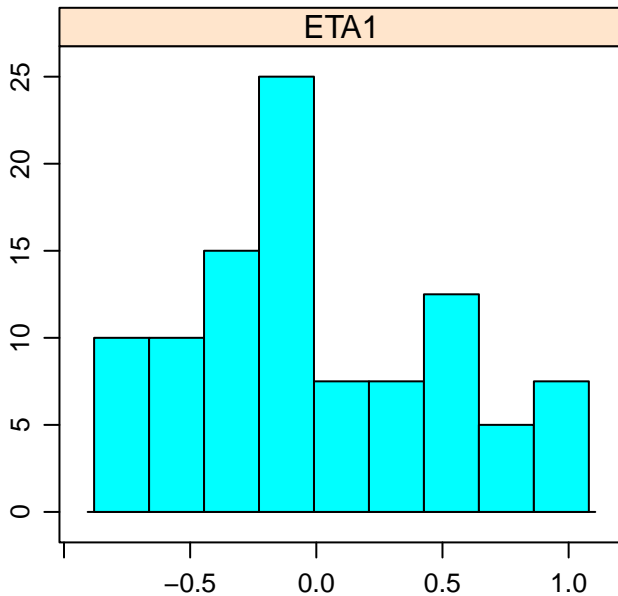
ETA Scatterplots



Parameter Scatterplots

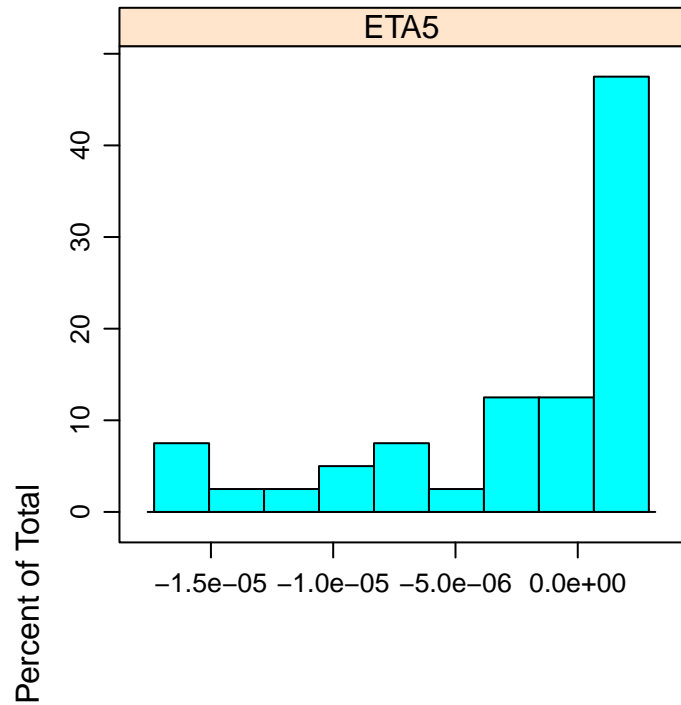


Histograms of Etas

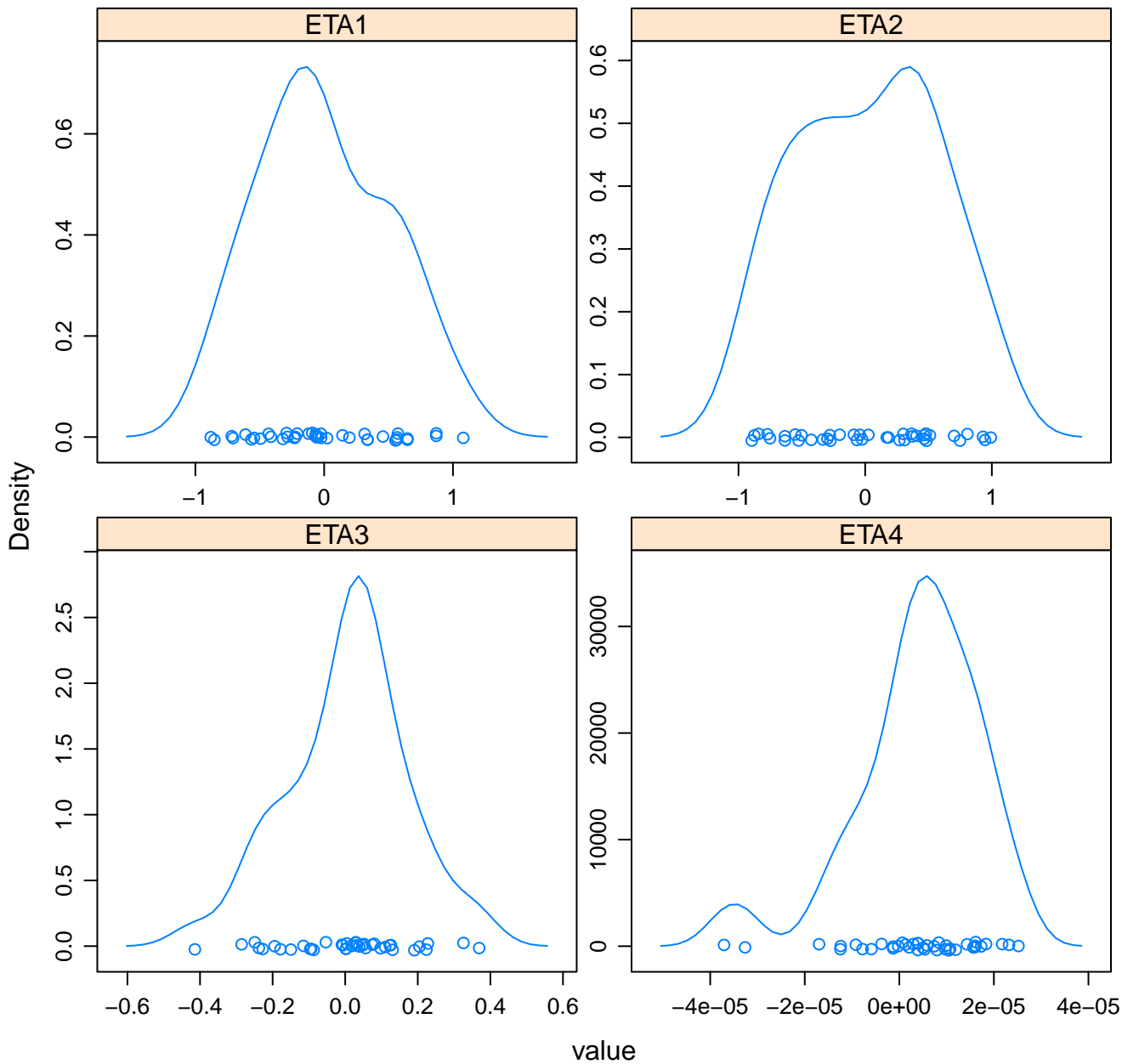


value

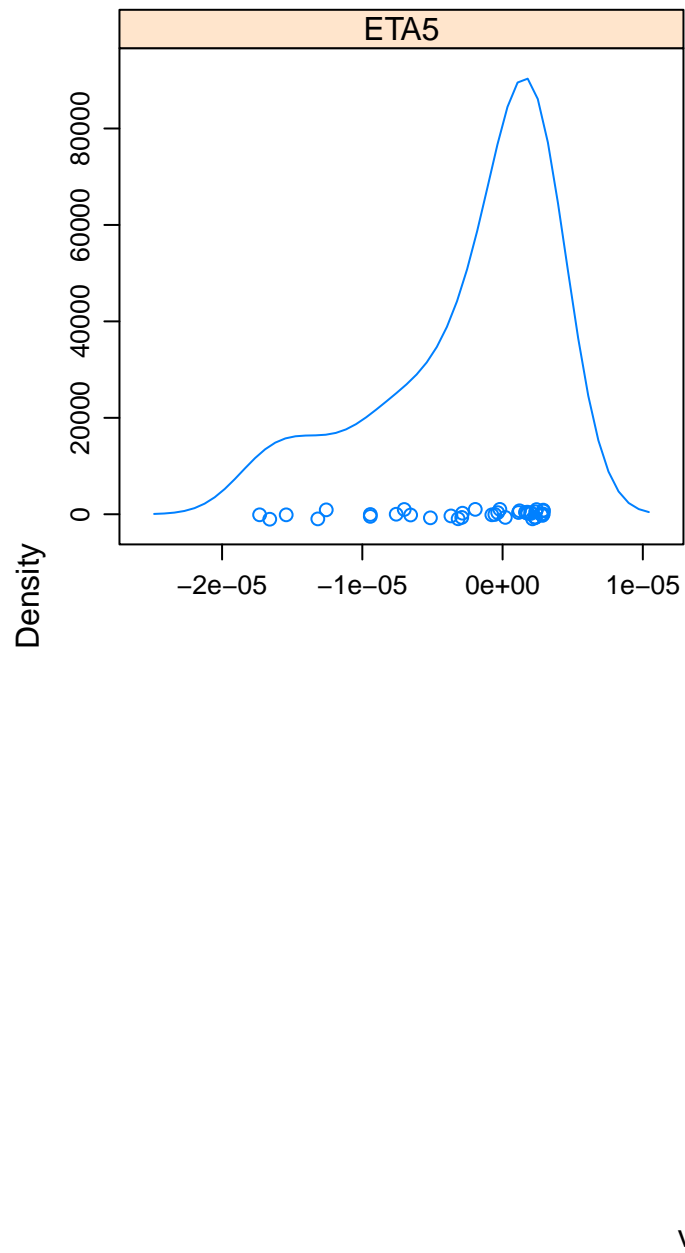
Histograms of Etas



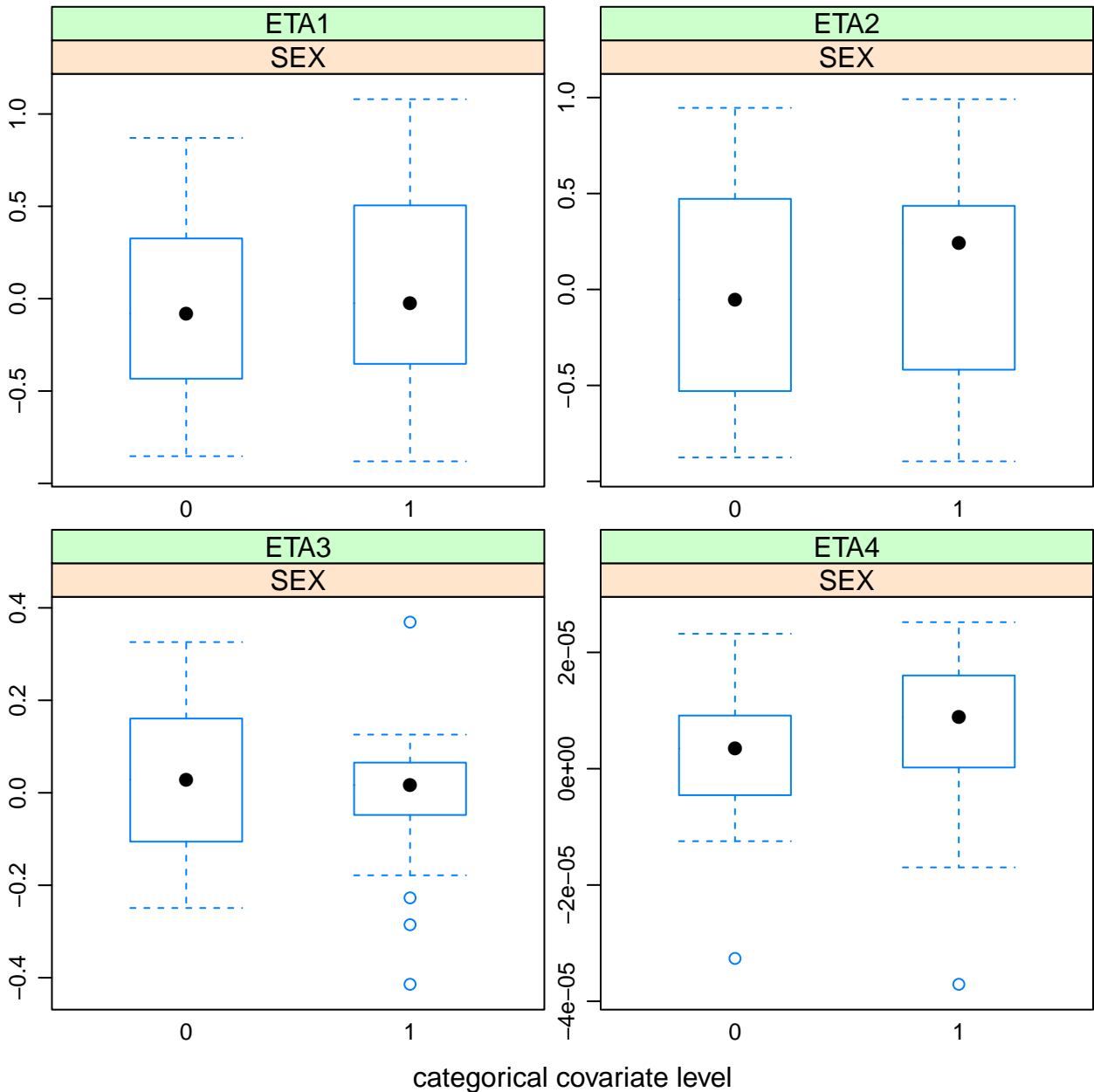
Density of Etas



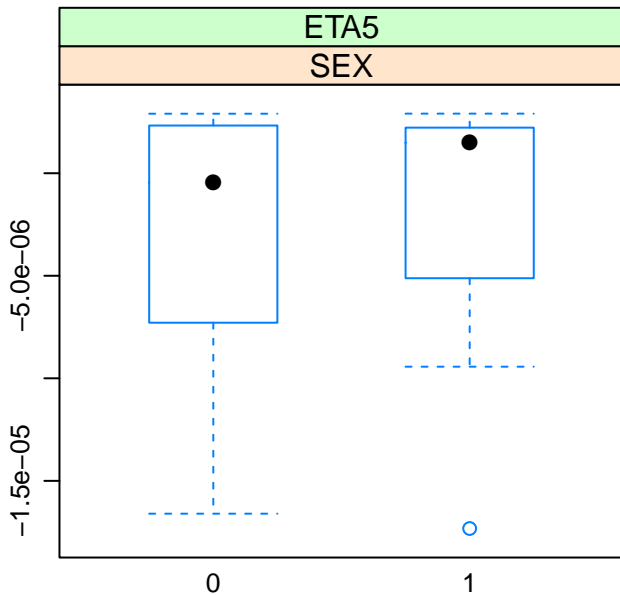
Density of Etas



Boxplots of Etas by Categorical Covariate

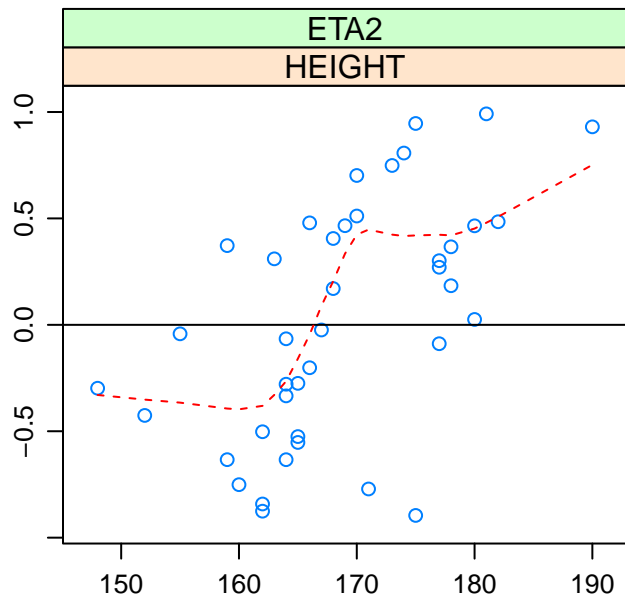
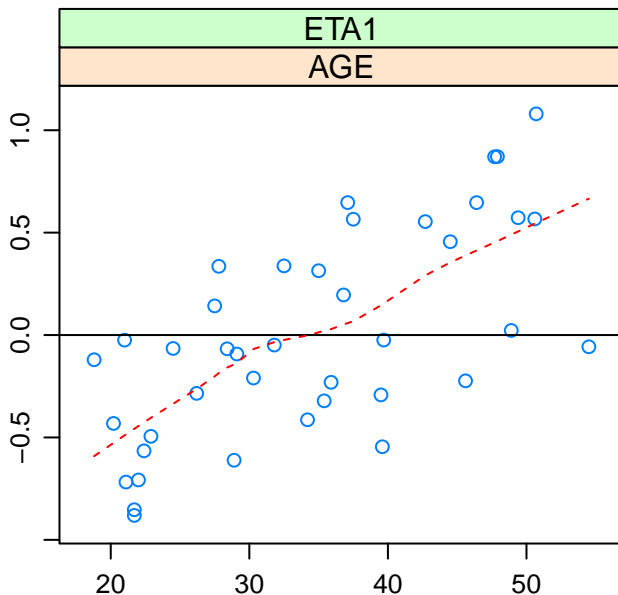
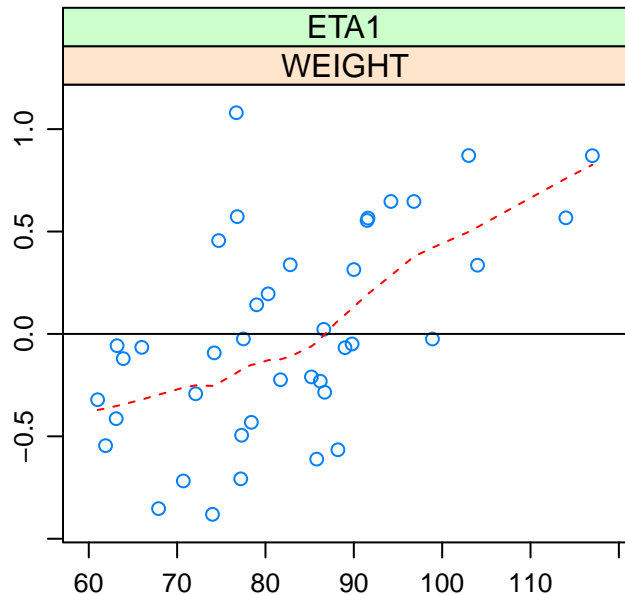
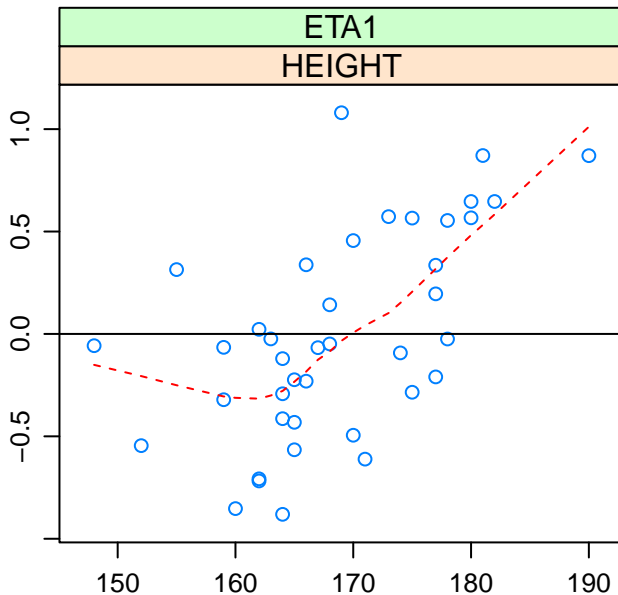


Boxplots of Etas by Categorical Covariate



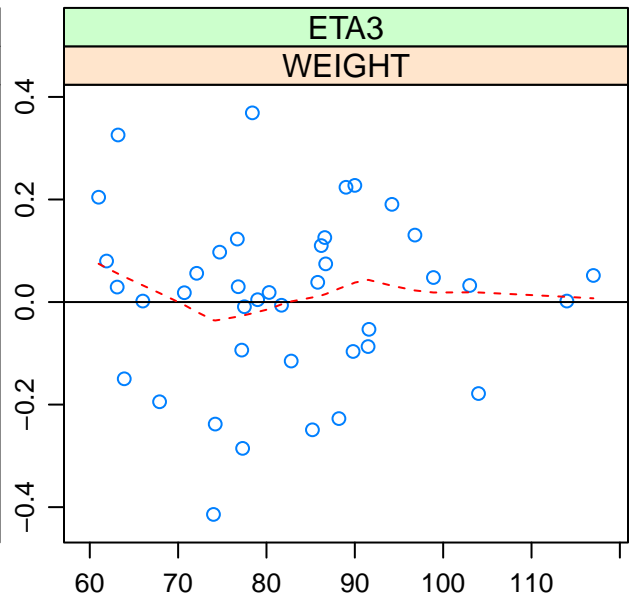
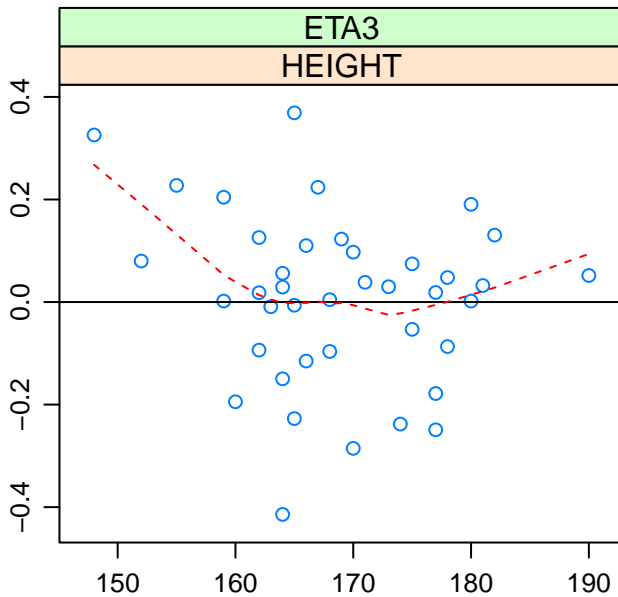
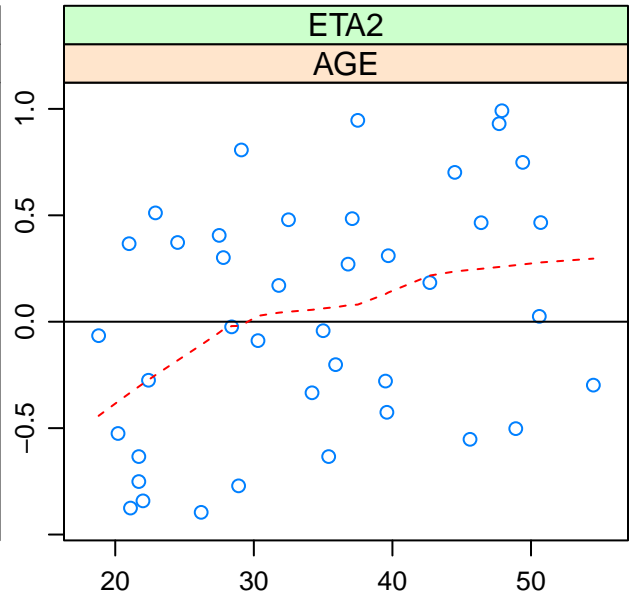
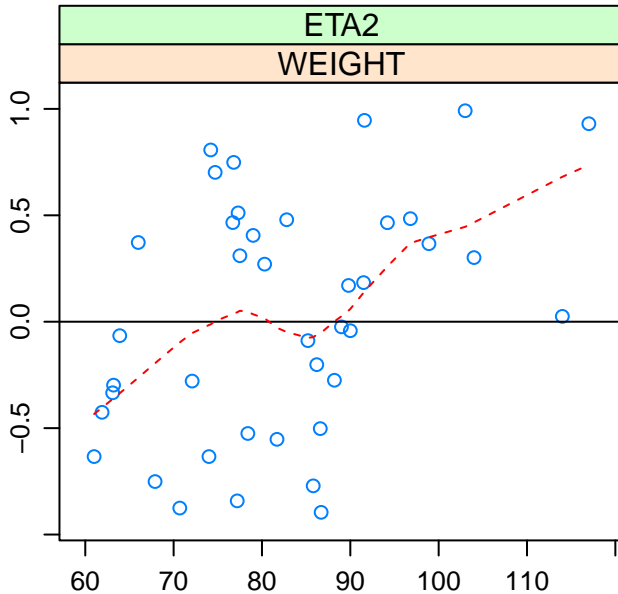
categorical covariate level

Etas vs. Continuous Covariates



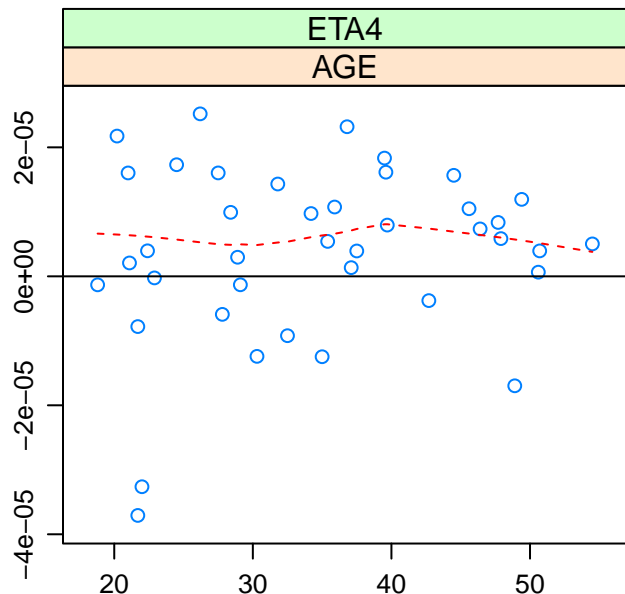
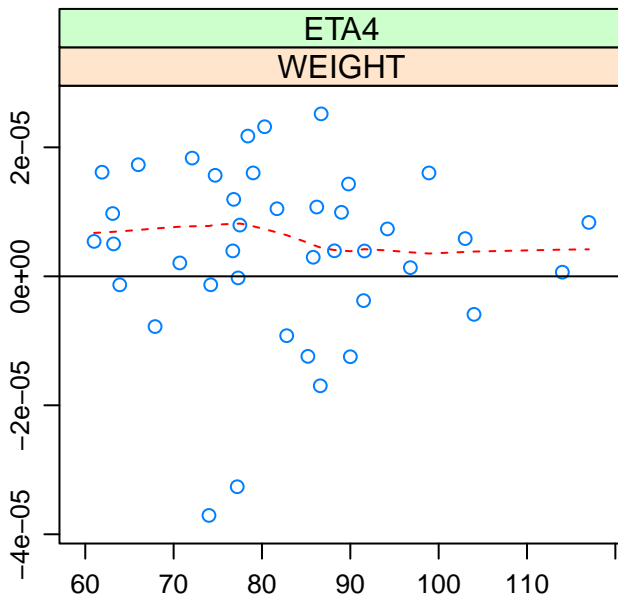
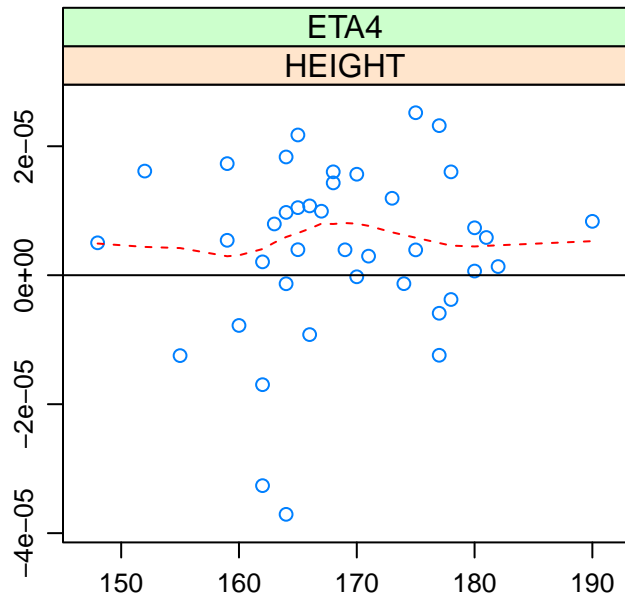
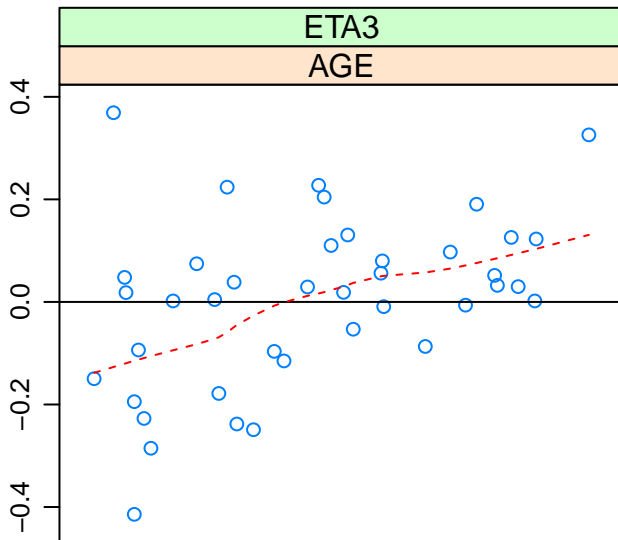
continuous covariate

Etas vs. Continuous Covariates



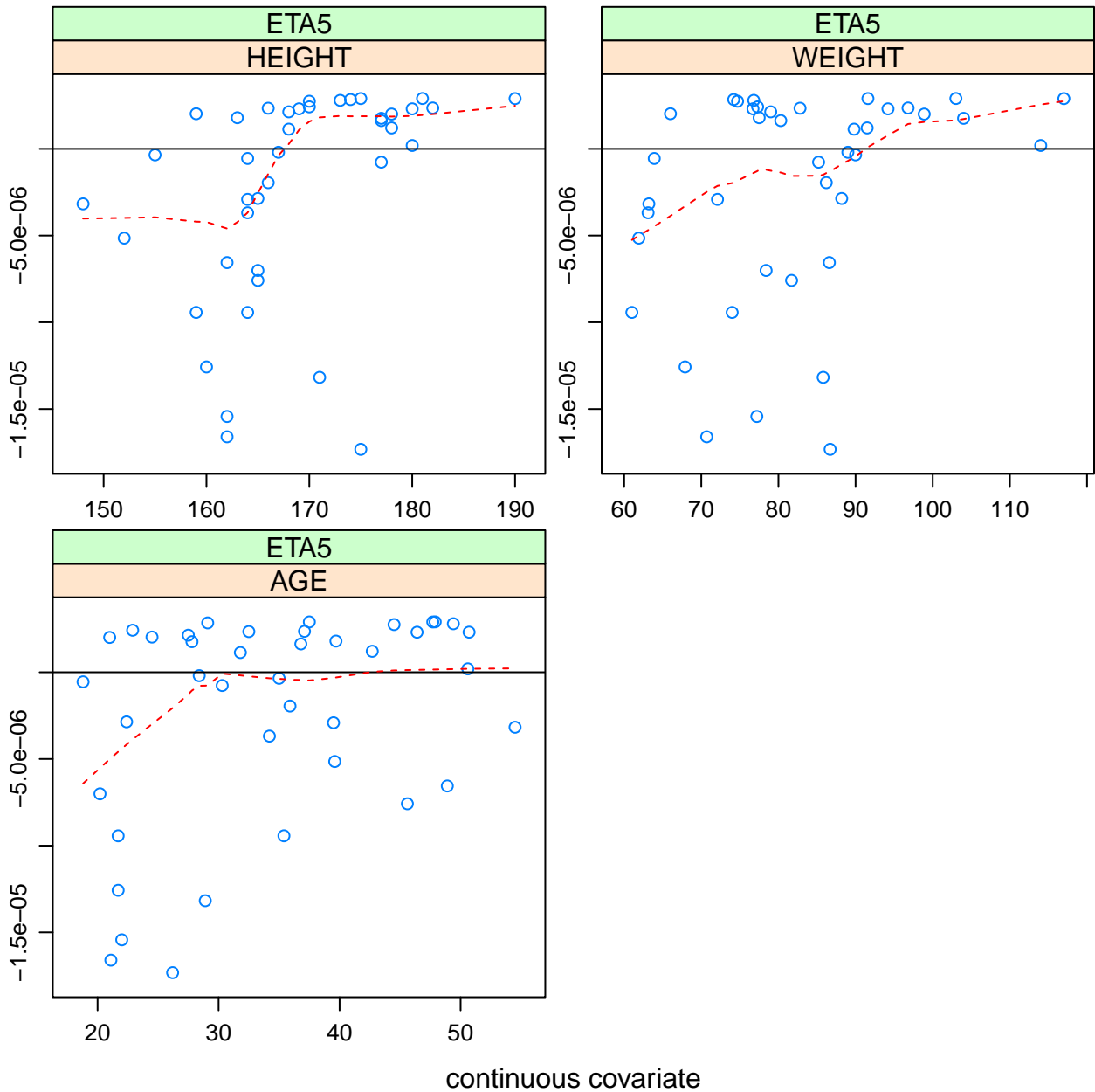
continuous covariate

Etas vs. Continuous Covariates

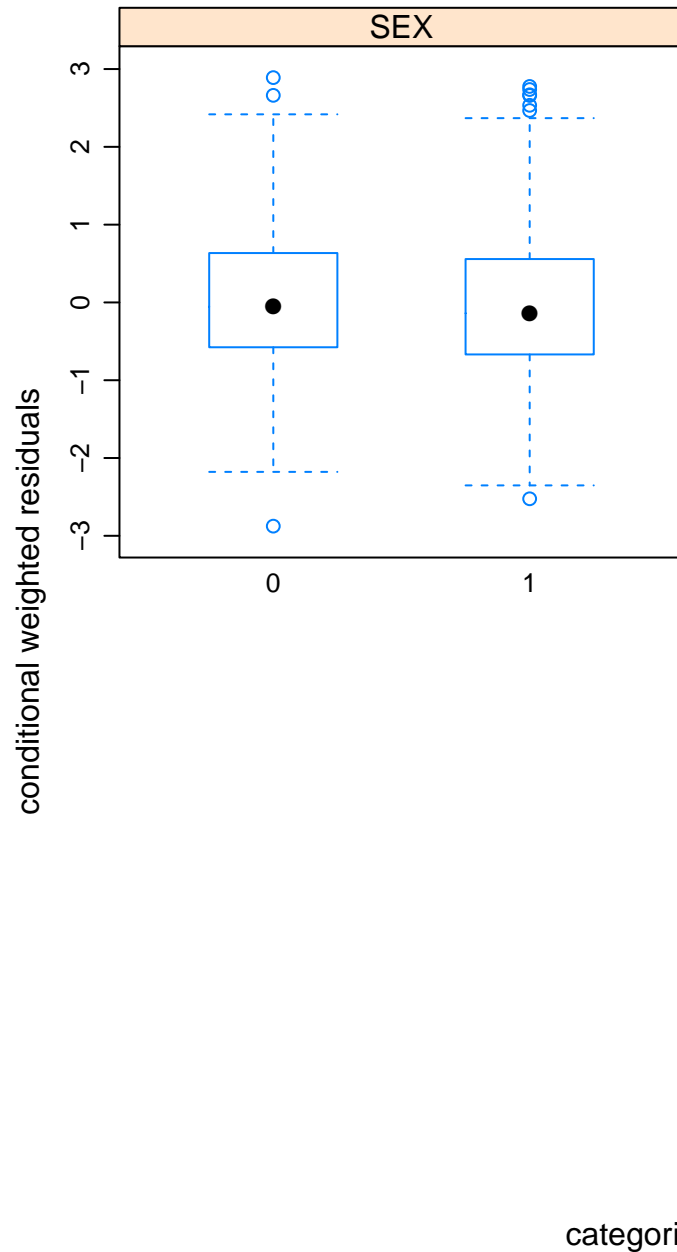


continuous covariate

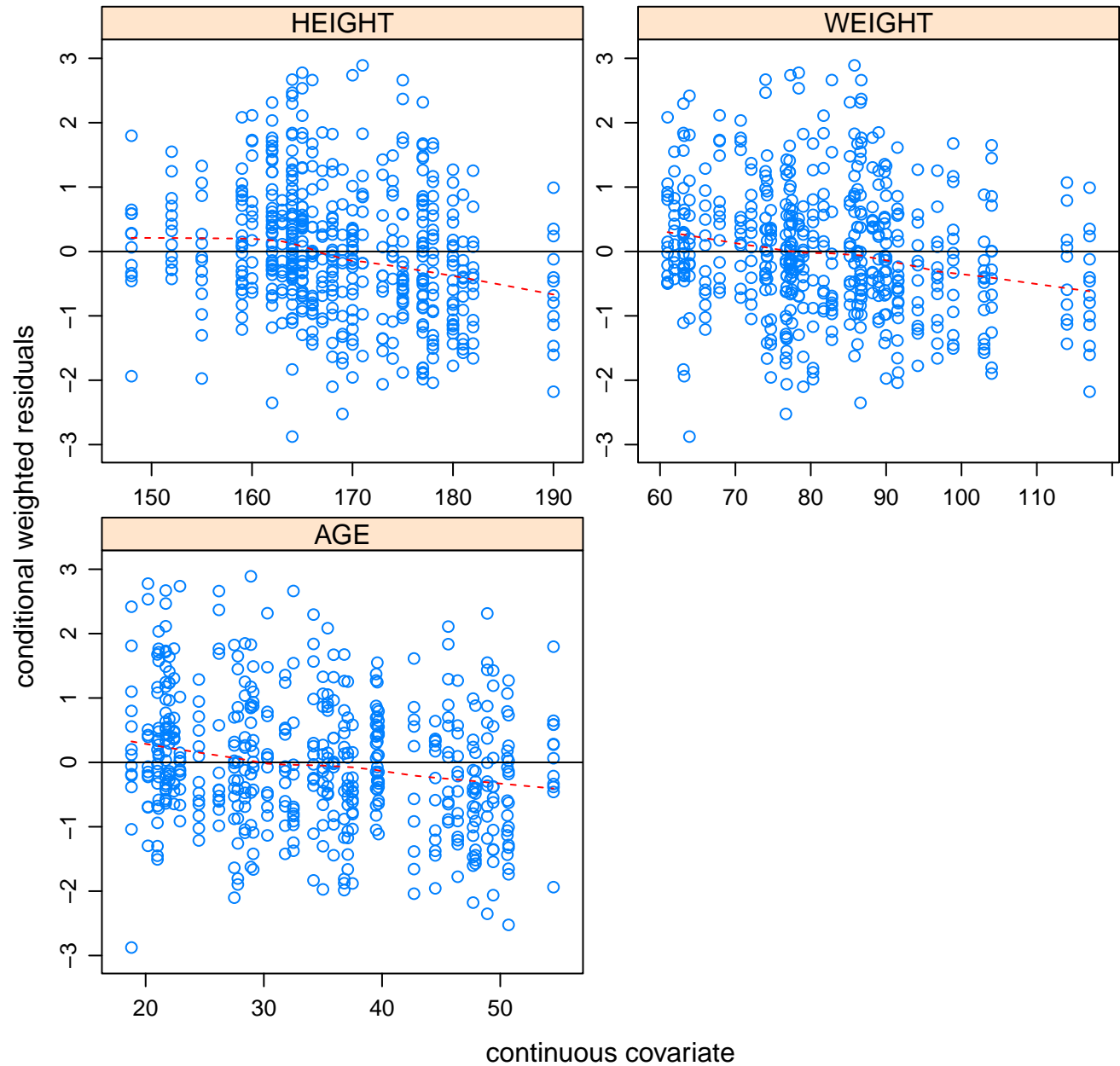
Etas vs. Continuous Covariates



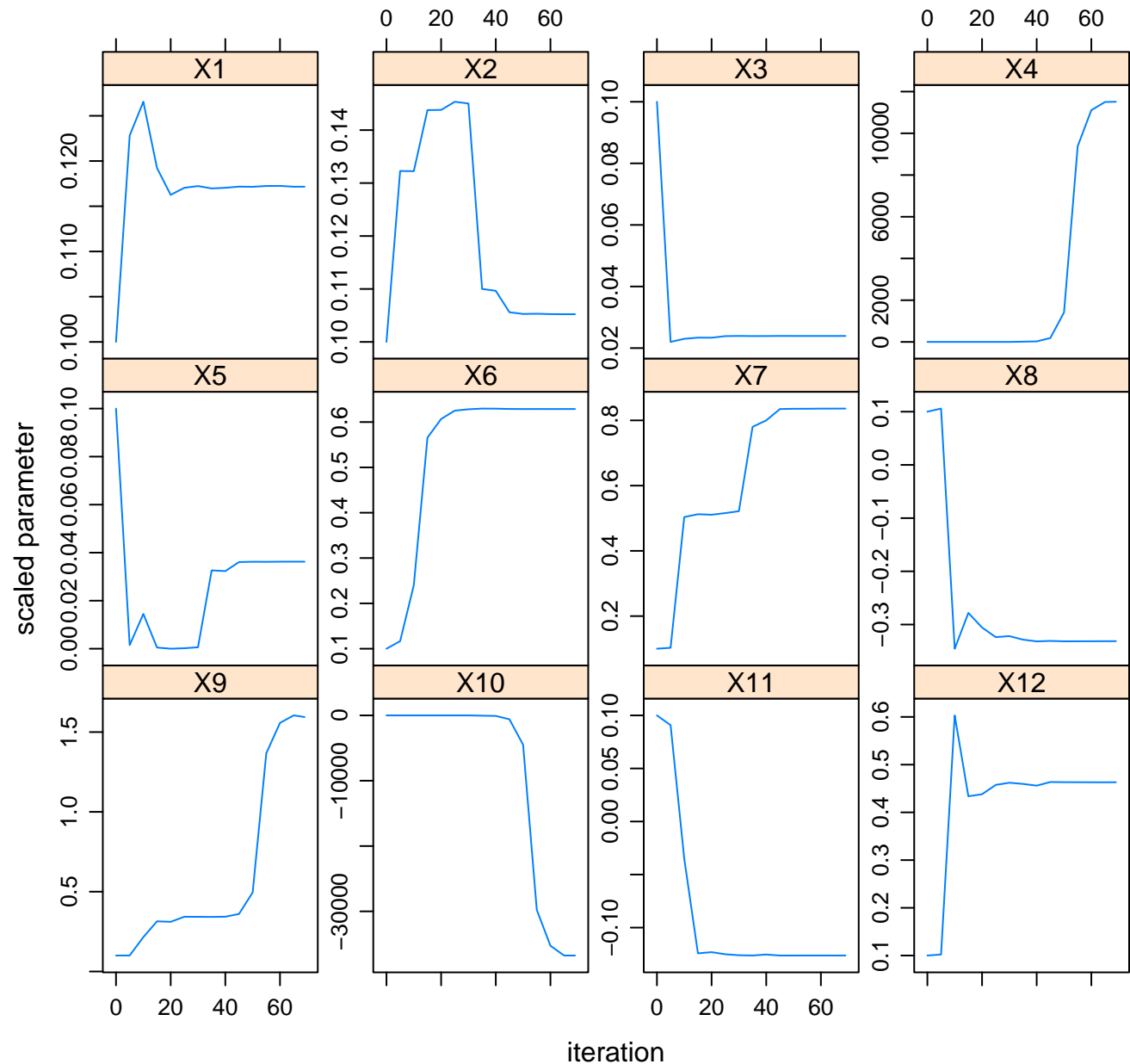
CWRES vs. Categorical Covariates



CWRES vs. Continuous Covariates



Model 1002 parameter search



Model 1002 gradient search

