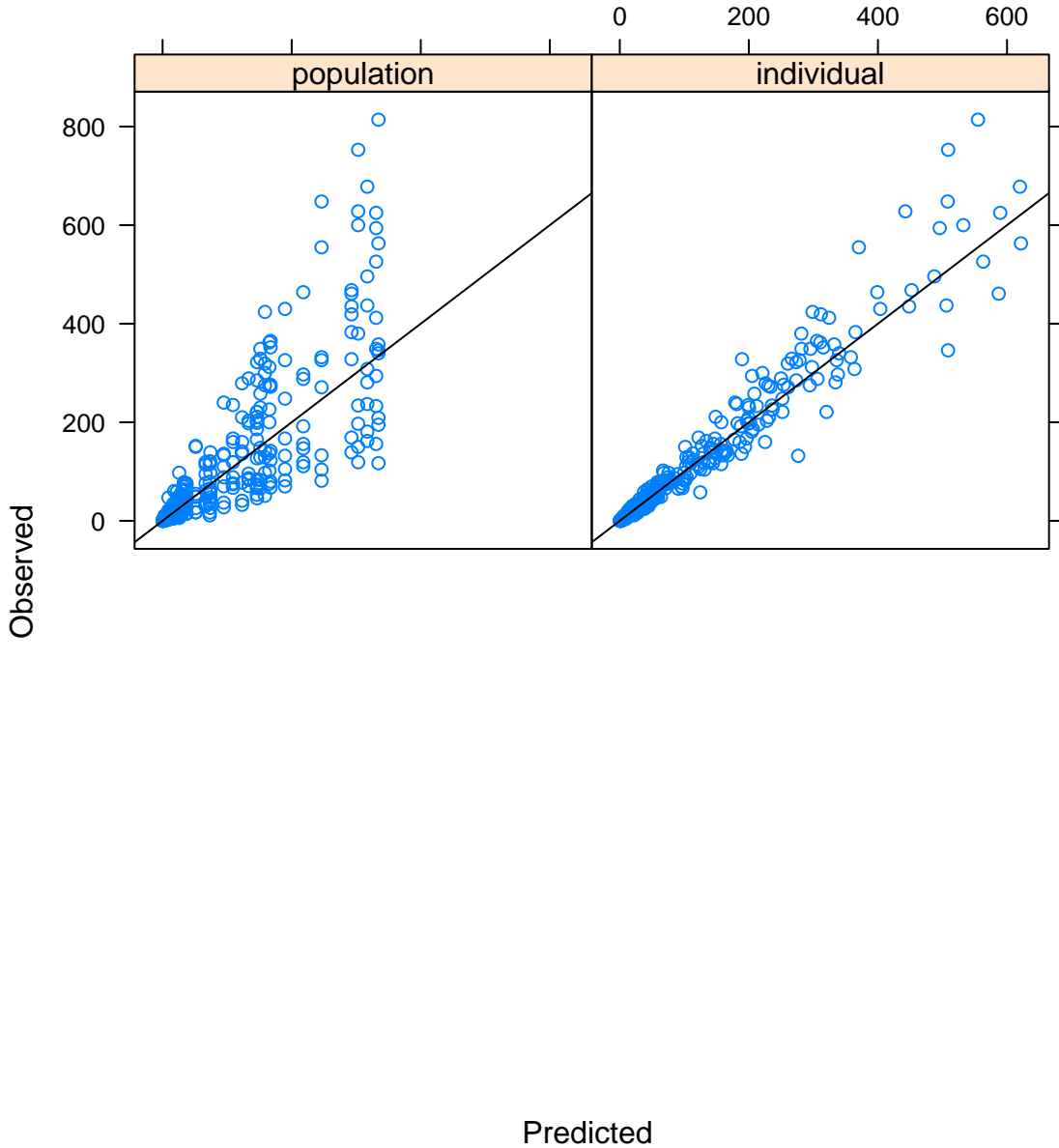


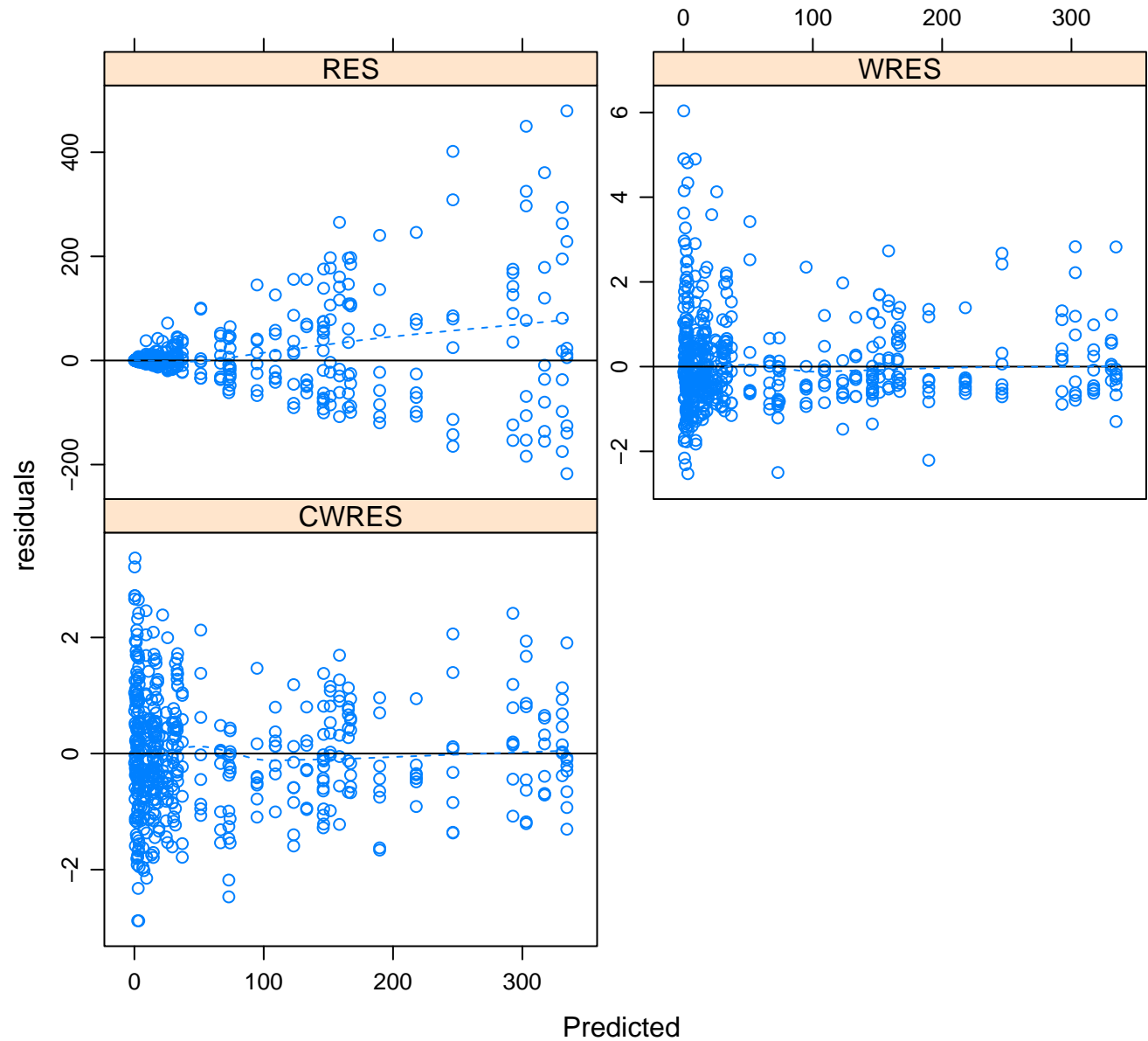
Model 1004

Observed vs. Predicted for all data



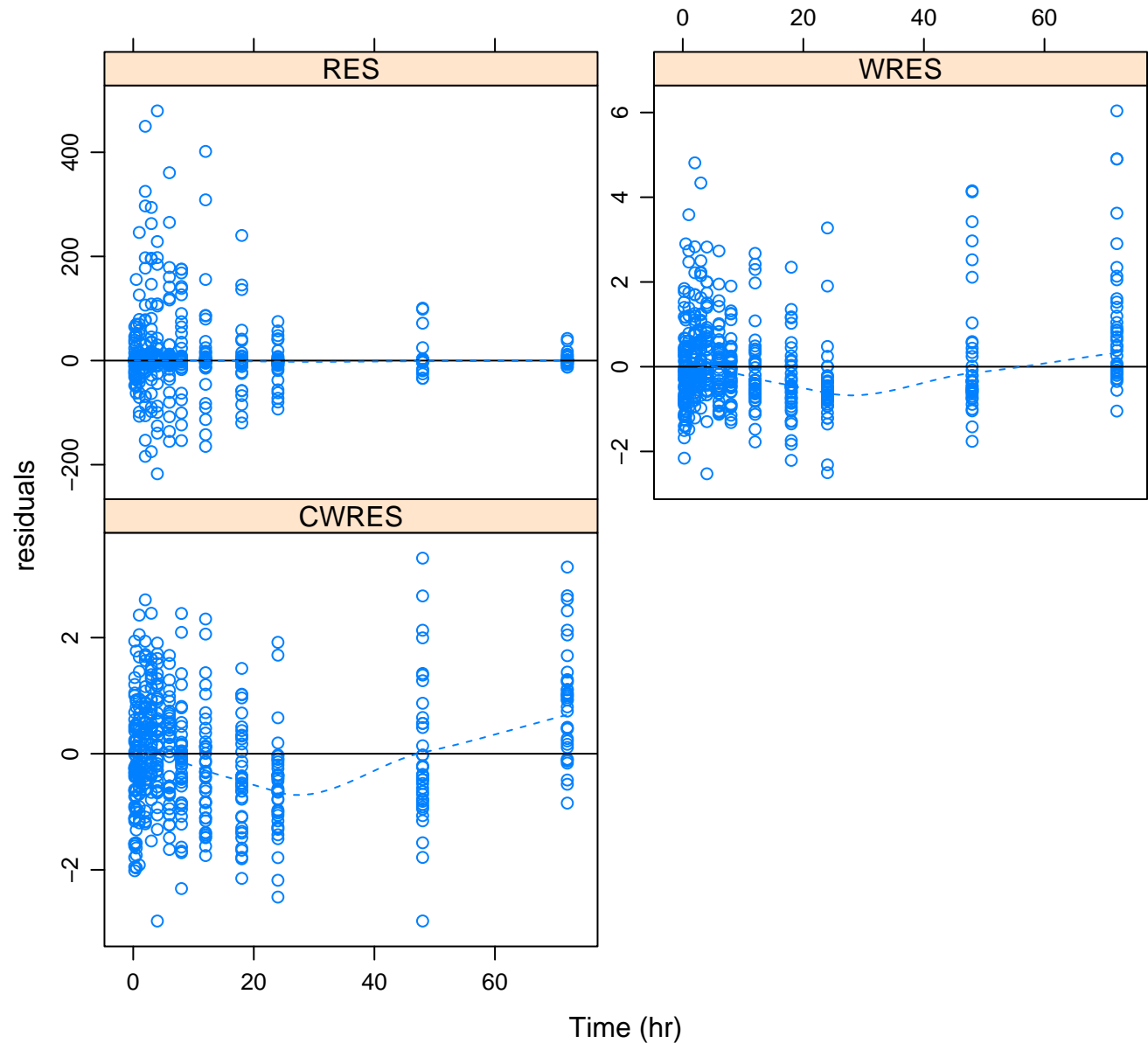
Model 1004

Residuals vs. Predicted for all data



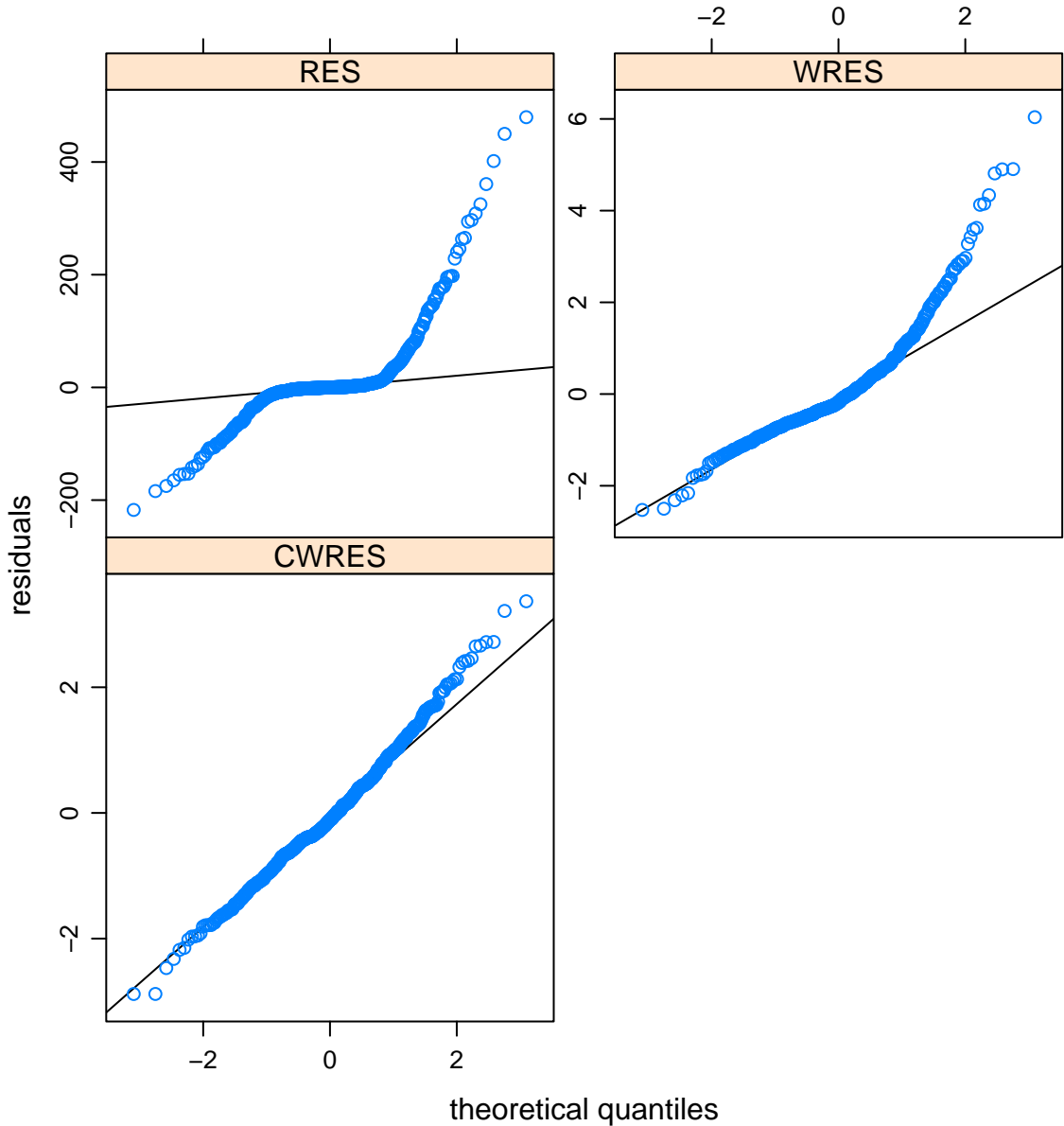
Model 1004

Residuals vs. Time for all data

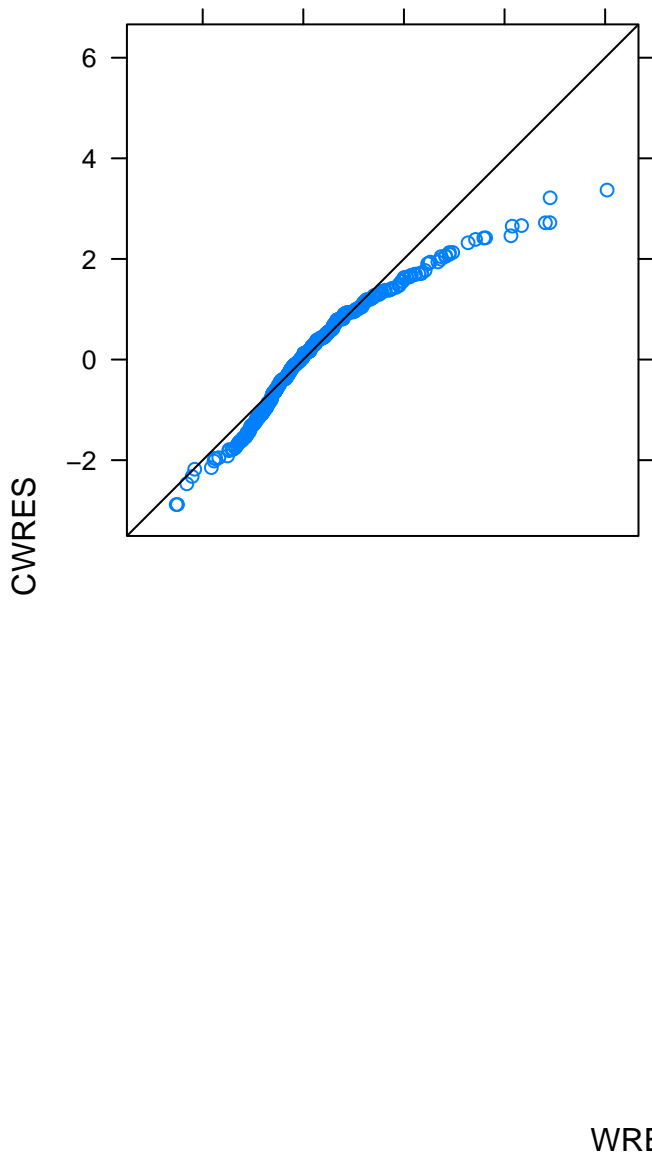


Model 1004

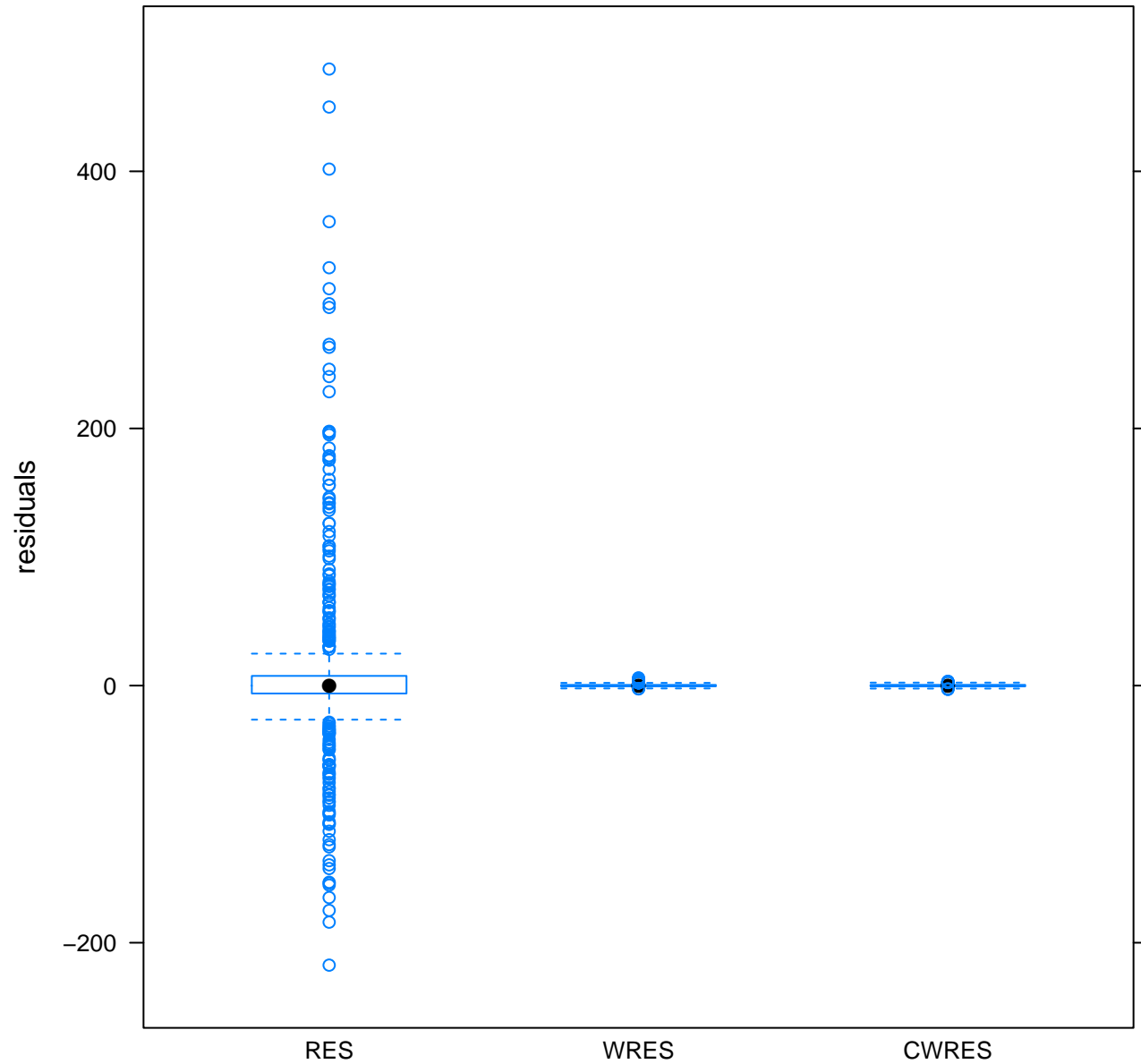
Normal Q-Q Plot Residuals for all data



Model 1004
Q-Q Plot of CWRES vs. WRES for all data

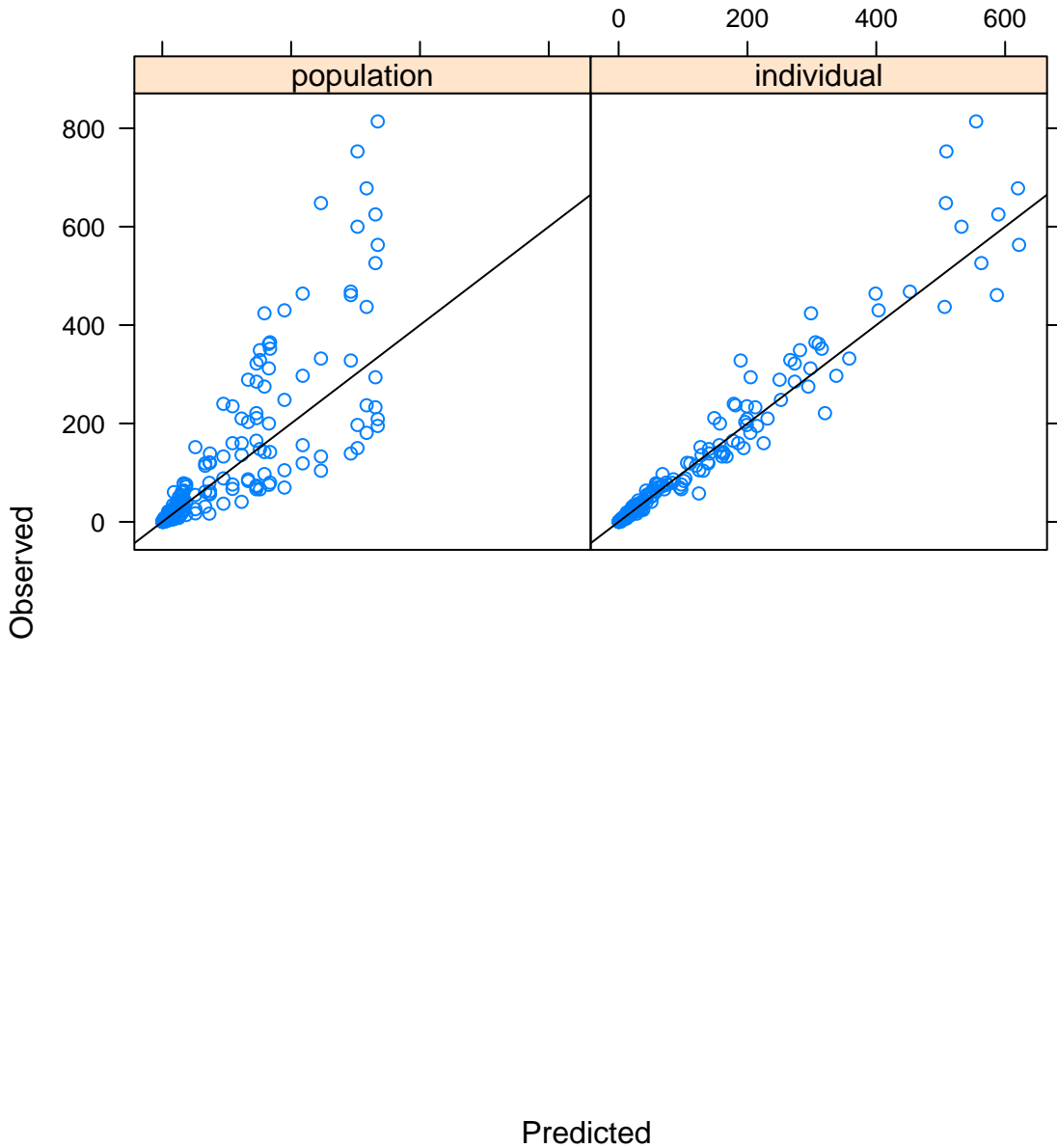


Model 1004 Boxplots of Residuals for all data



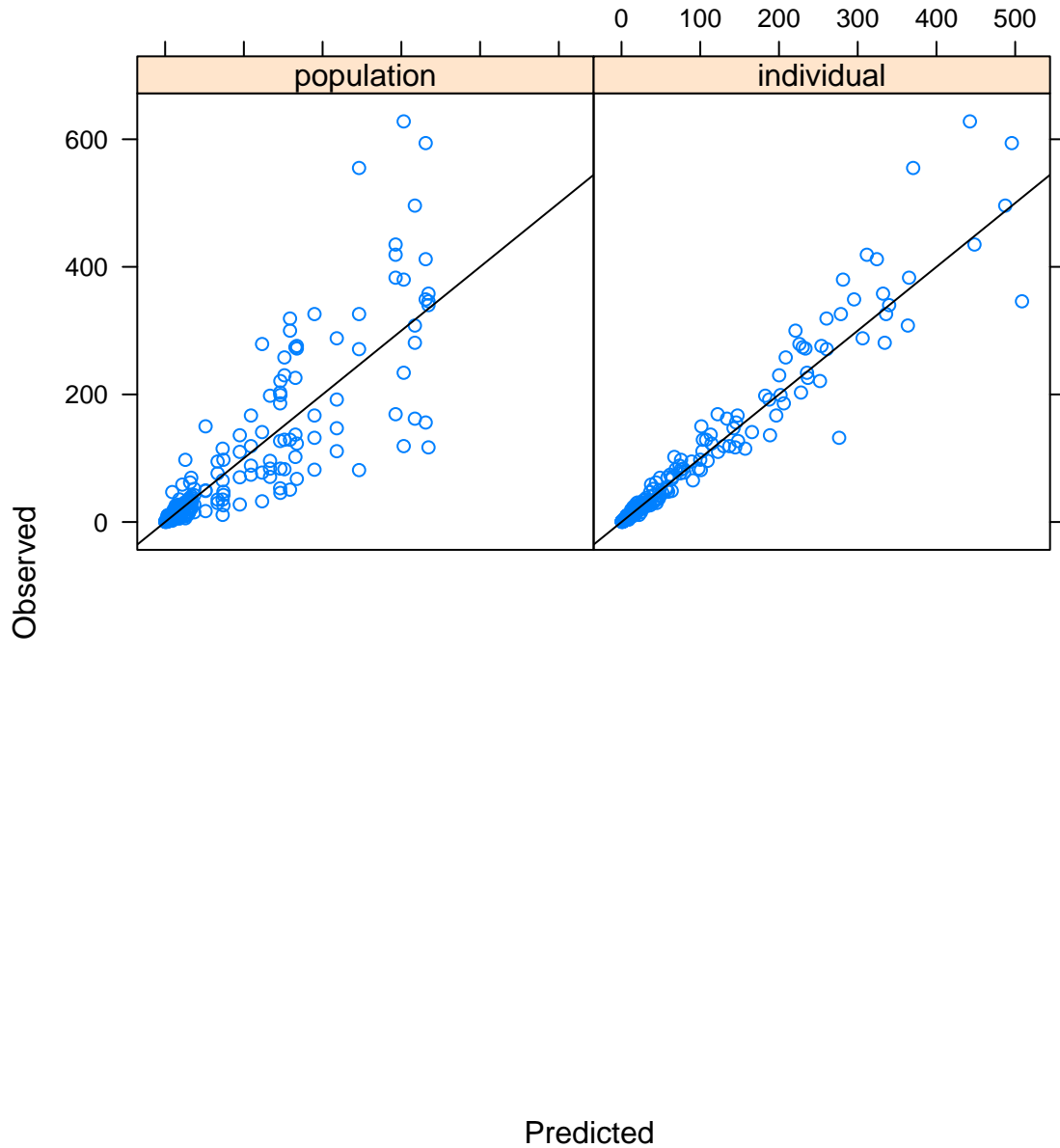
Model 1004

Observed vs. Predicted for female data



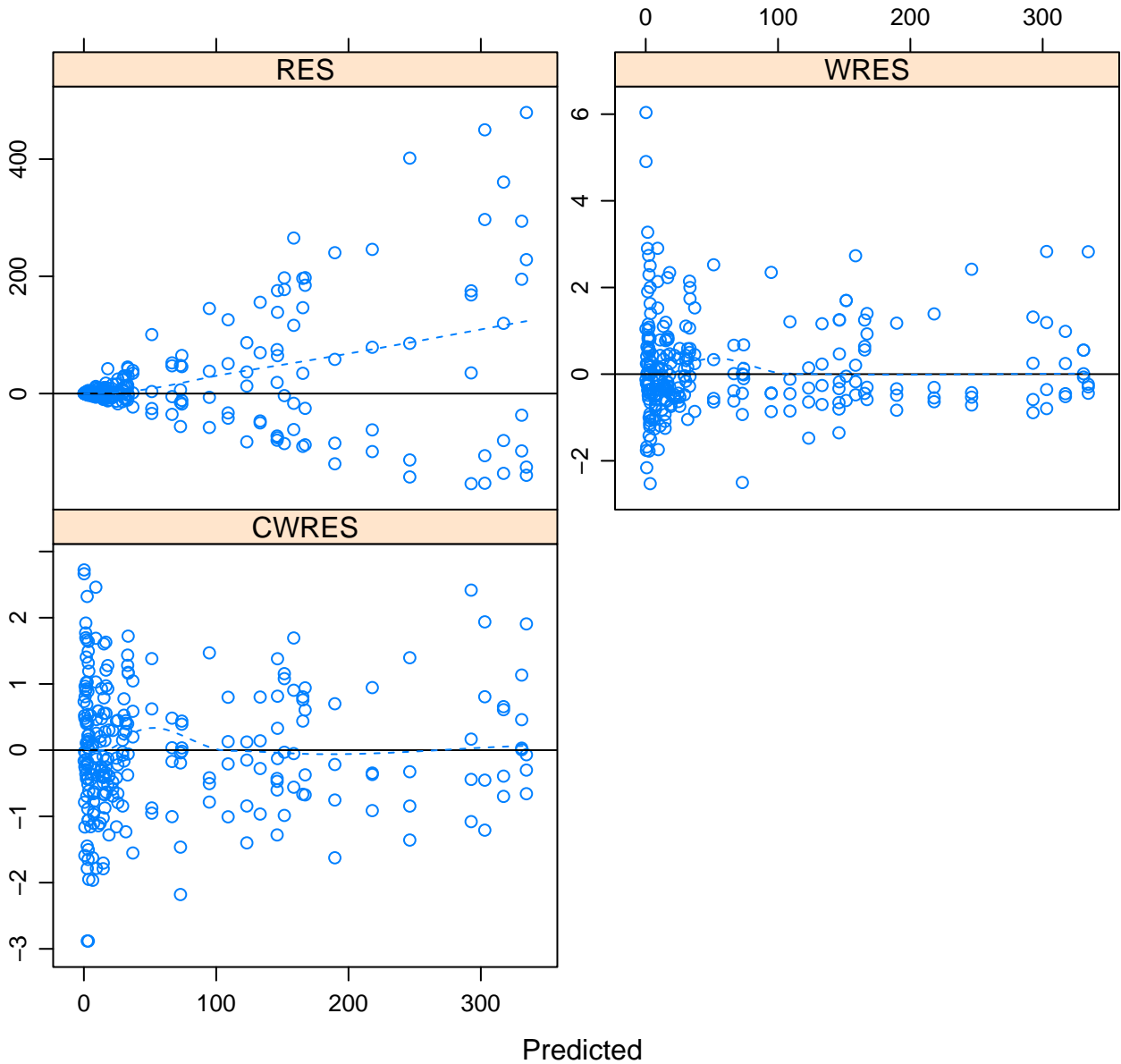
Model 1004

Observed vs. Predicted for male data

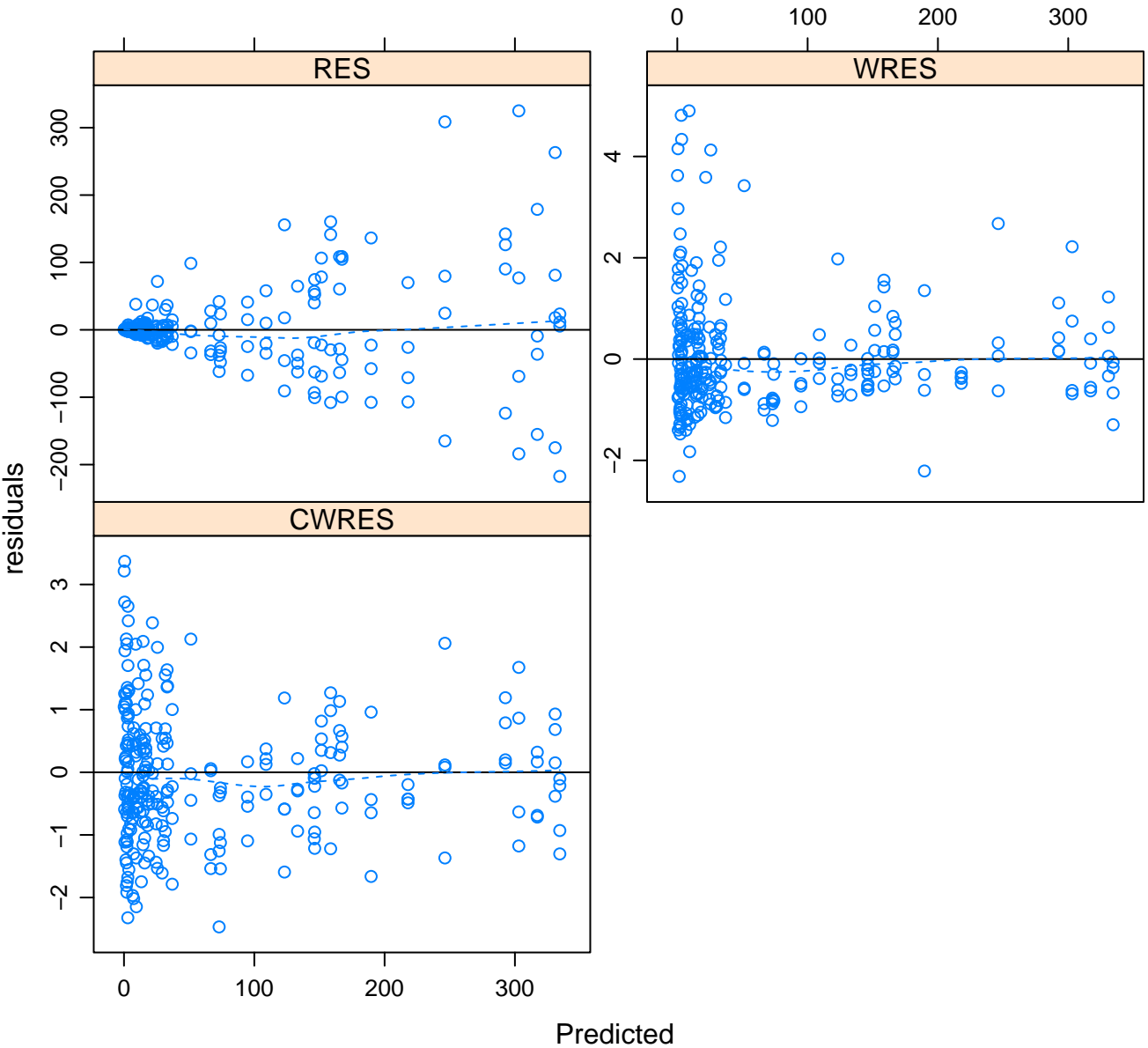


Model 1004

Residuals vs. Predicted for female data

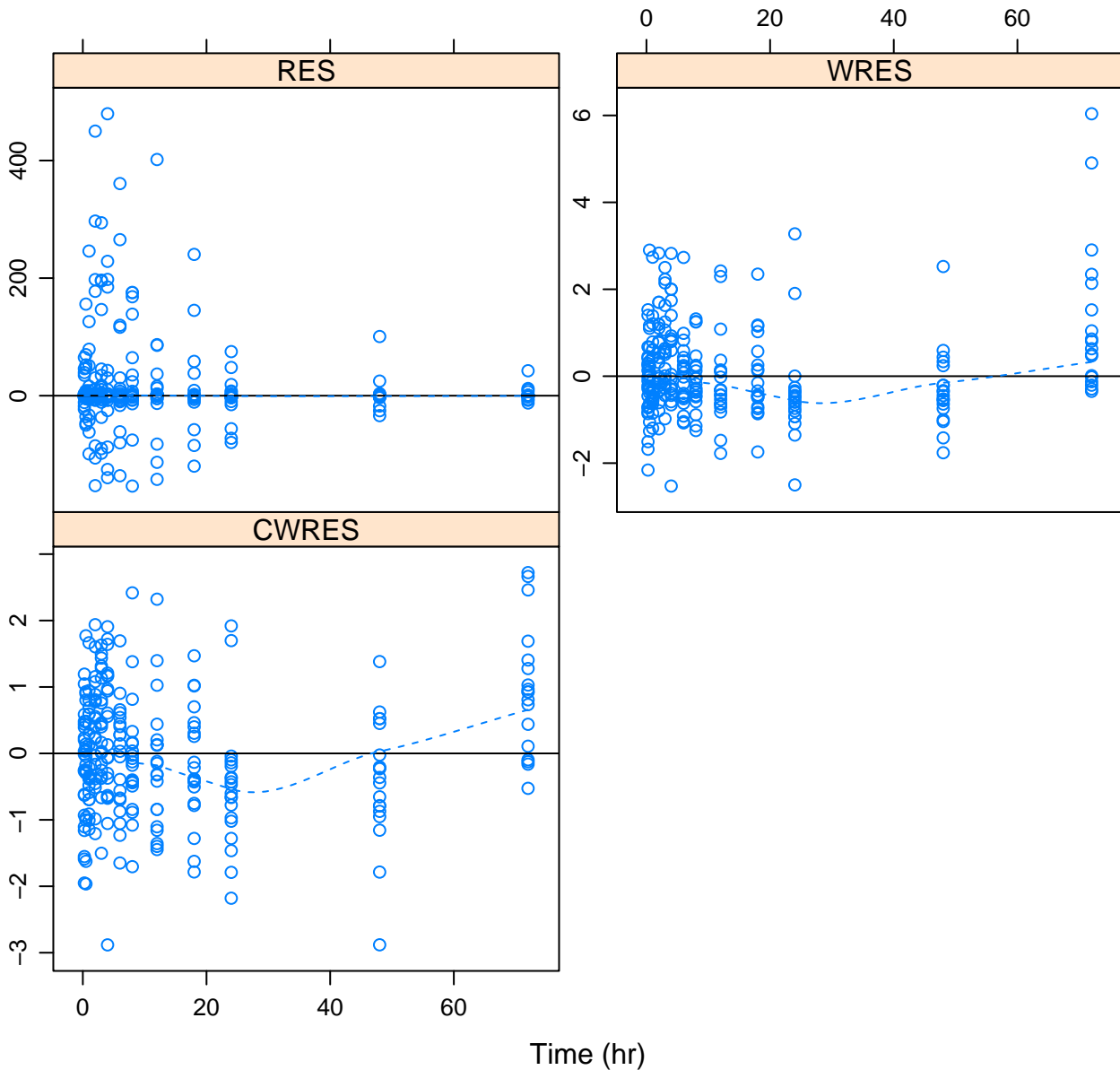


Model 1004
Residuals vs. Predicted for male data



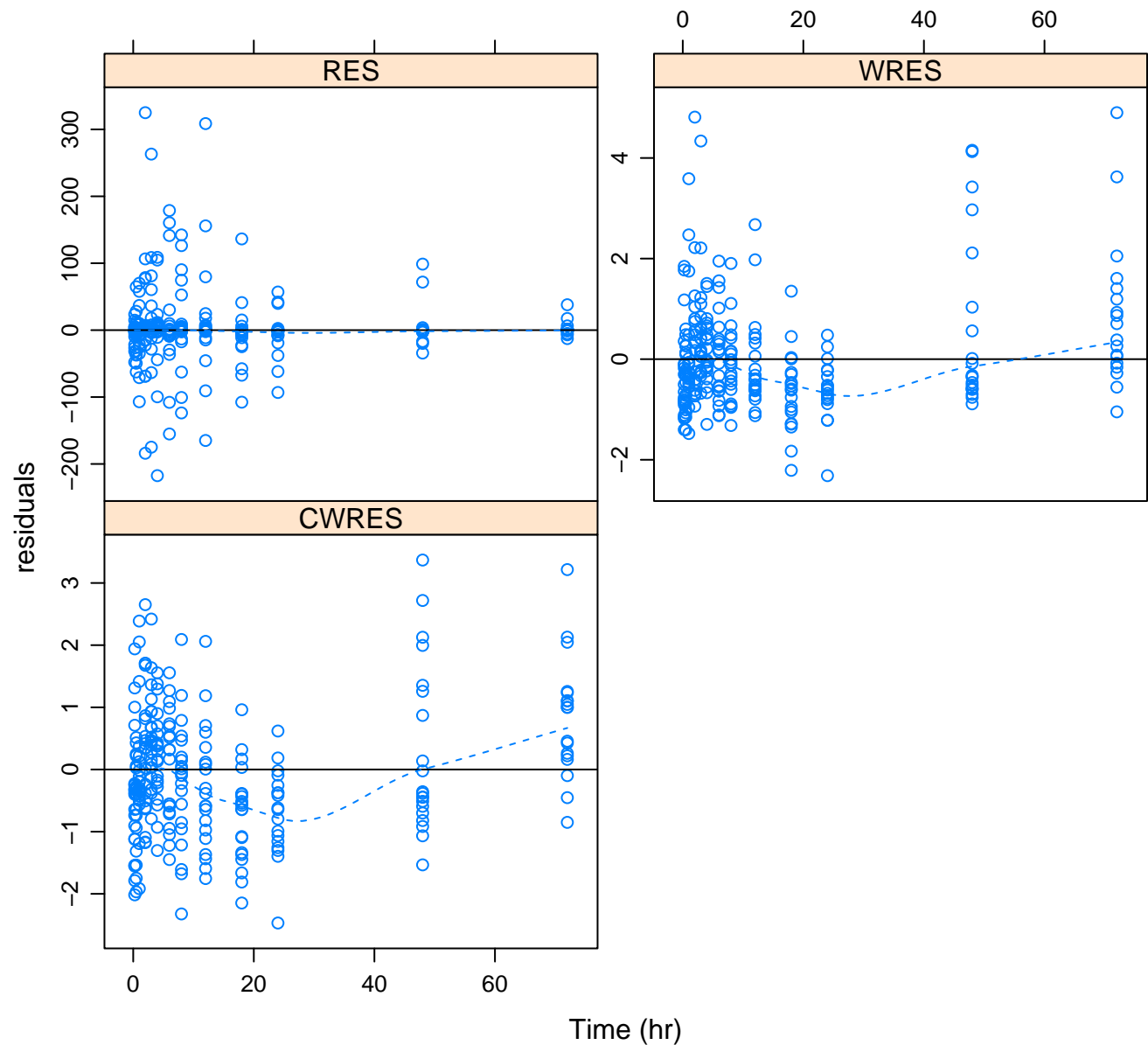
Model 1004

Residuals vs. Time for female data



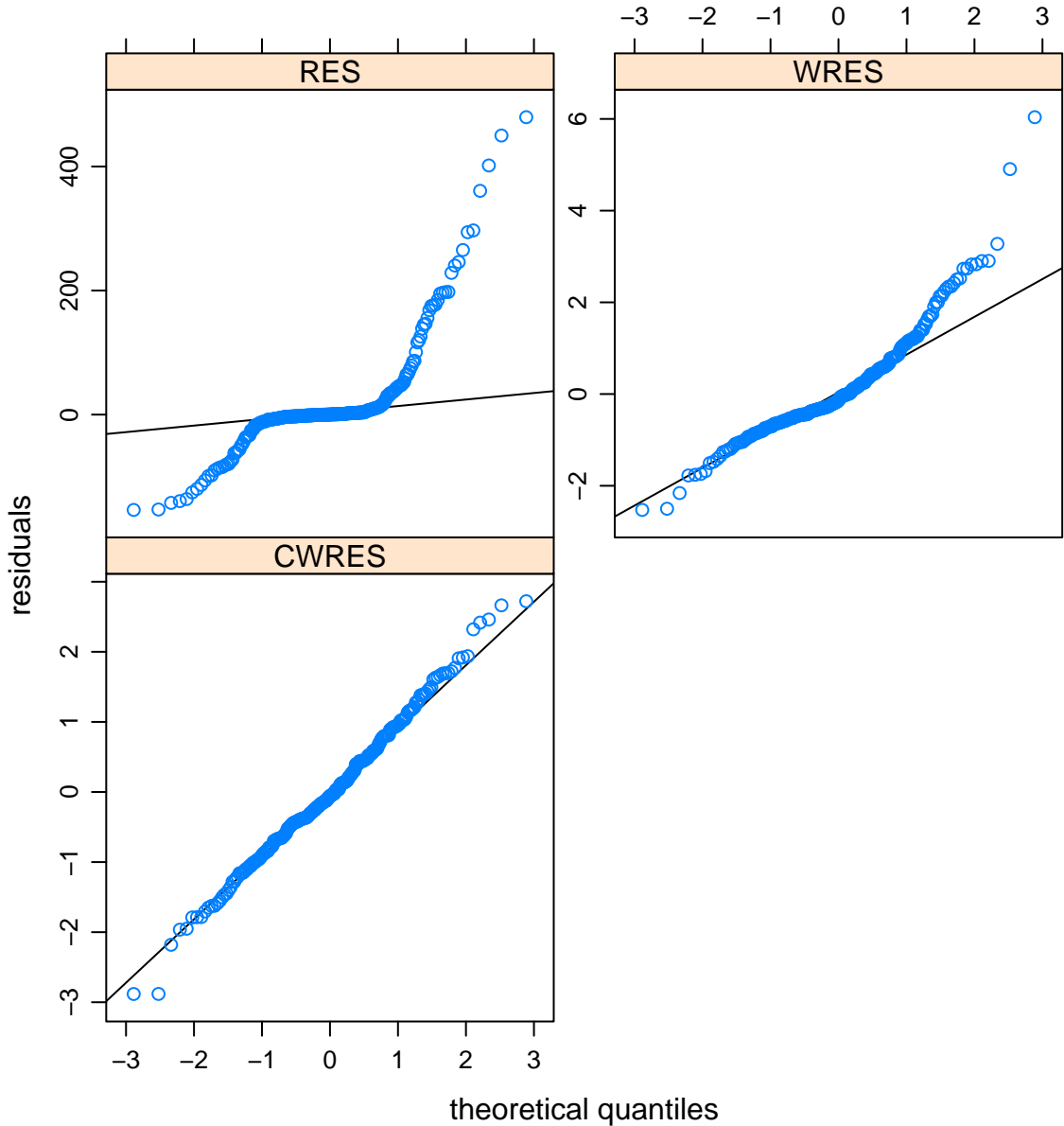
Model 1004

Residuals vs. Time for male data



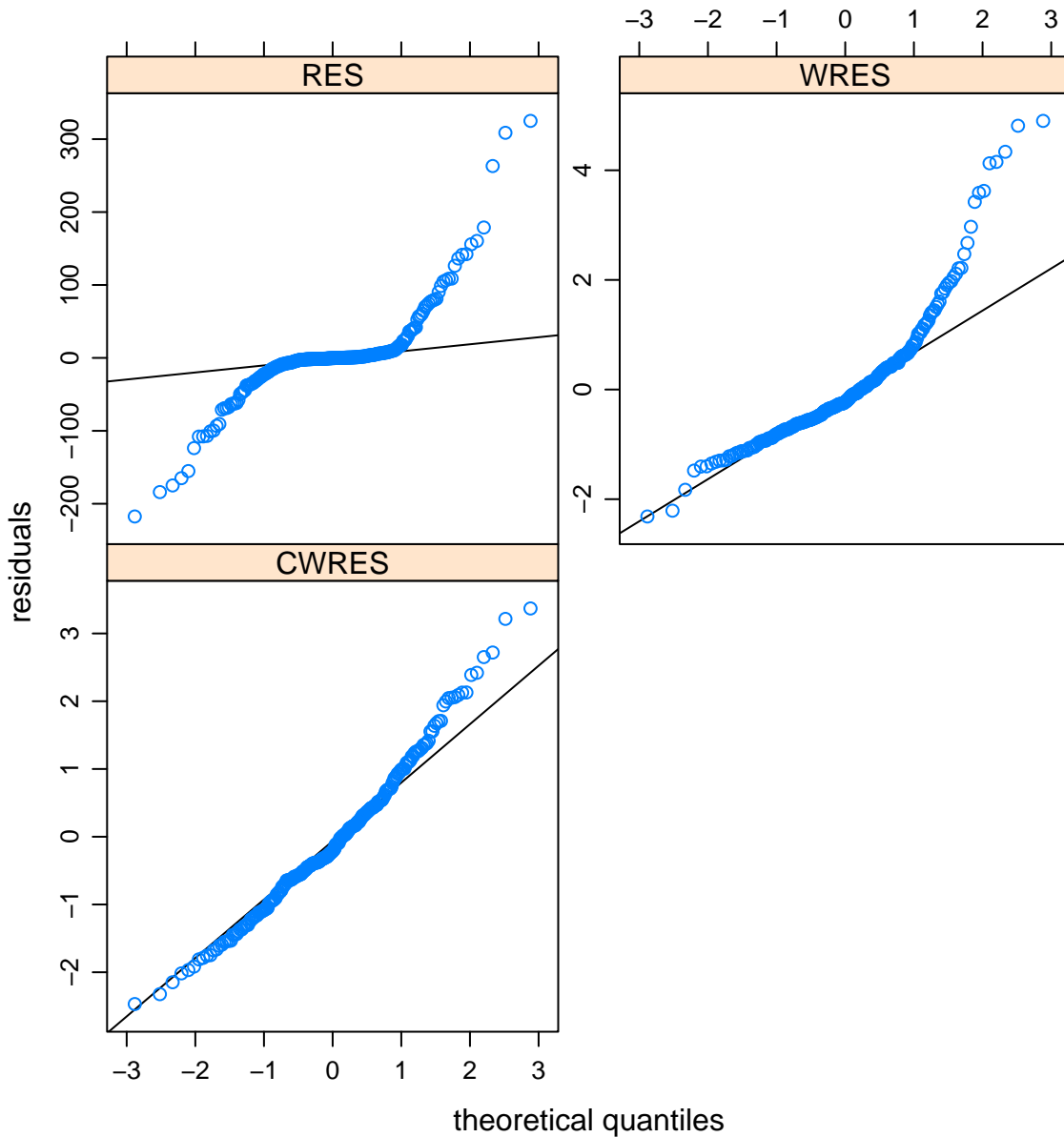
Model 1004

Normal Q-Q Plot Residuals for female data

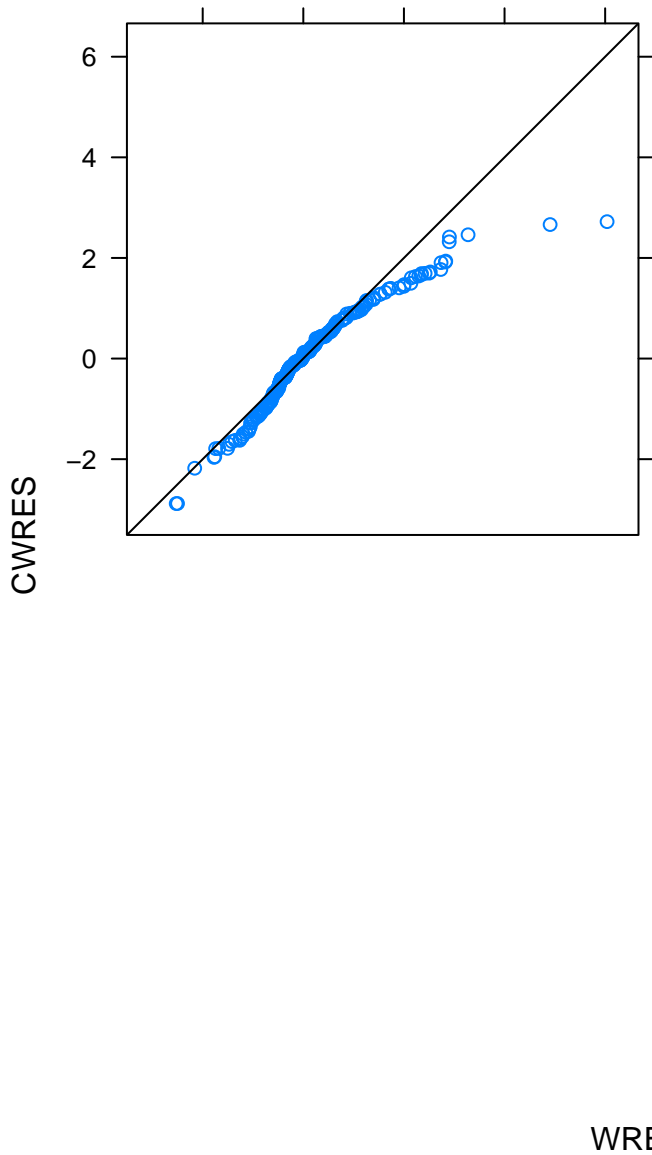


Model 1004

Normal Q-Q Plot Residuals for male data

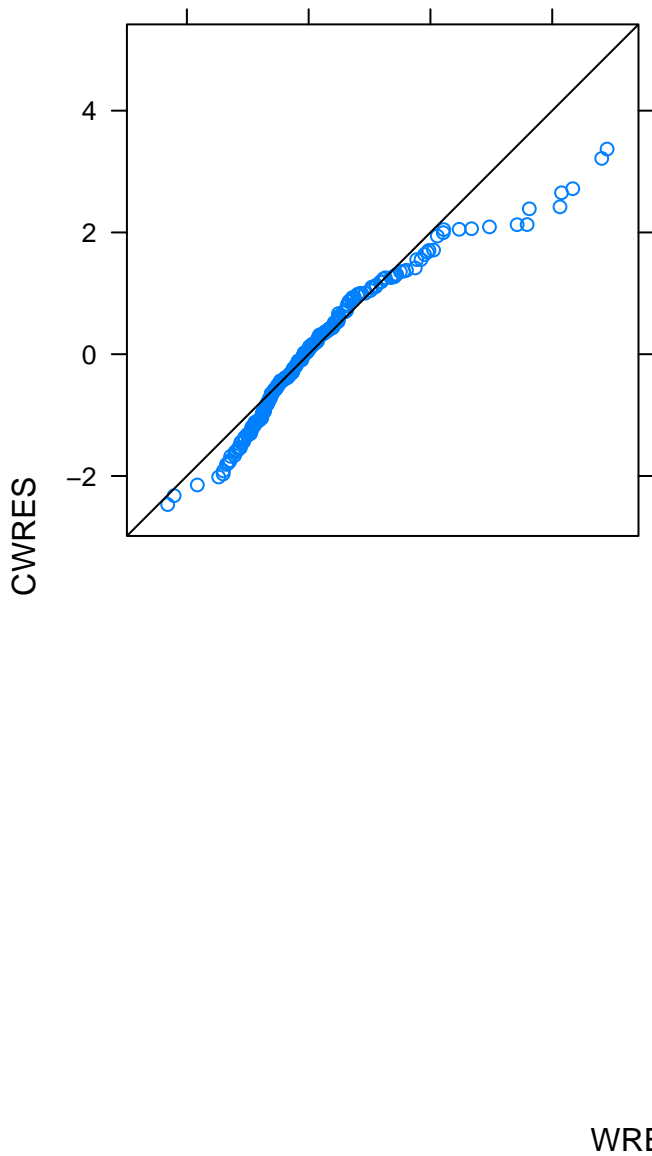


Model 1004
Q-Q Plot of CWRES vs. WRES for female data

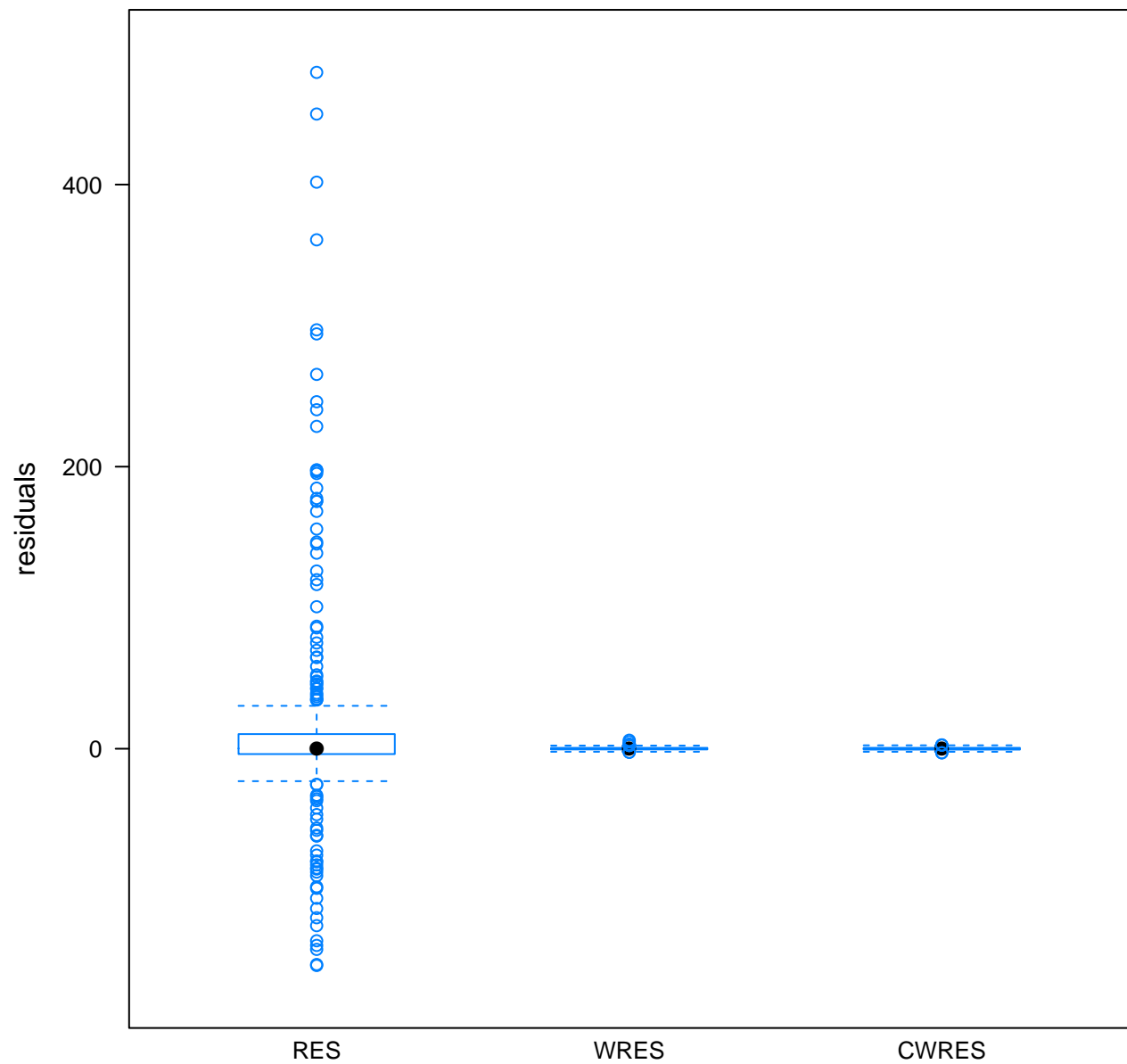


Model 1004

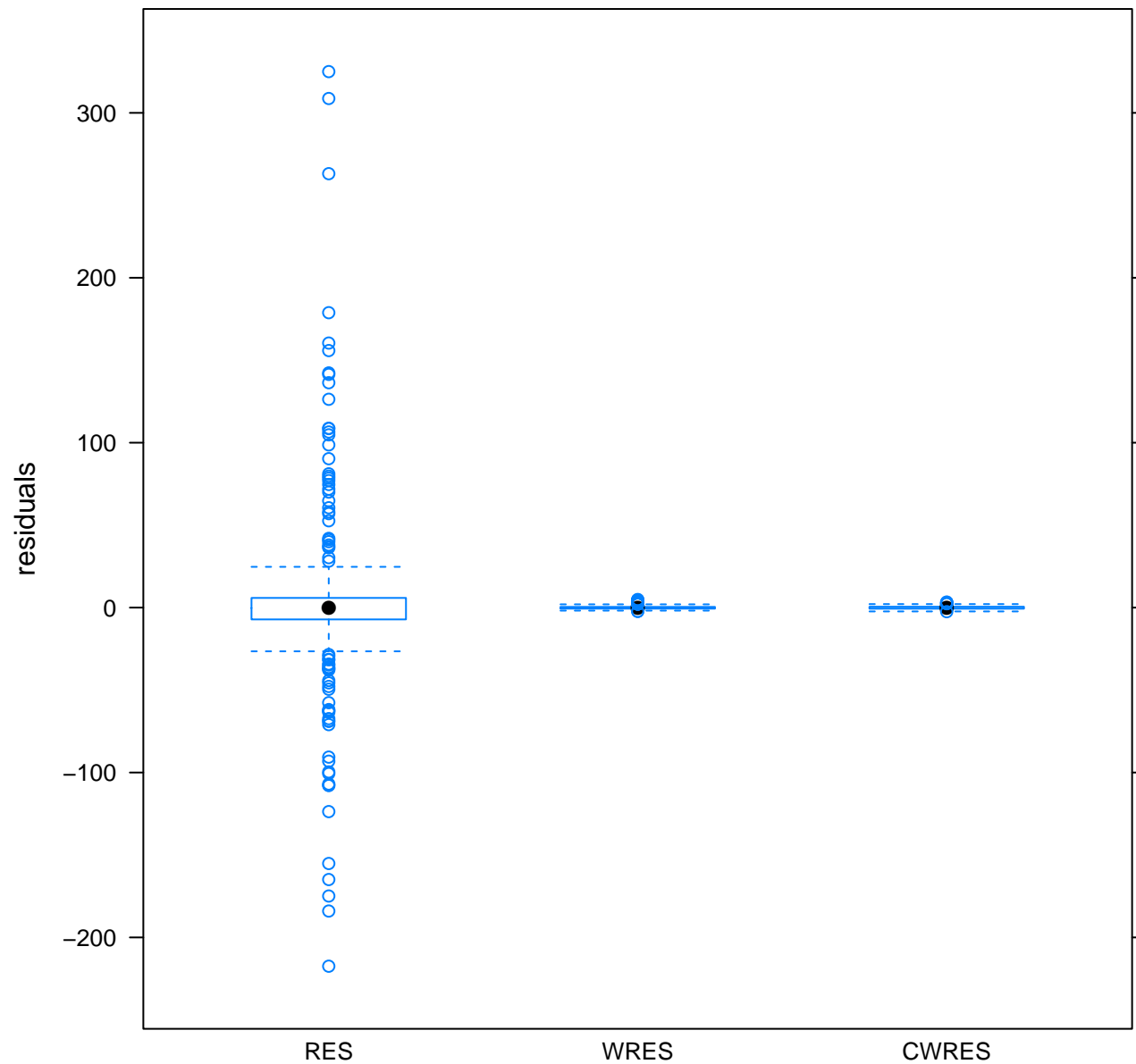
Q-Q Plot of CWRES vs. WRES for male data



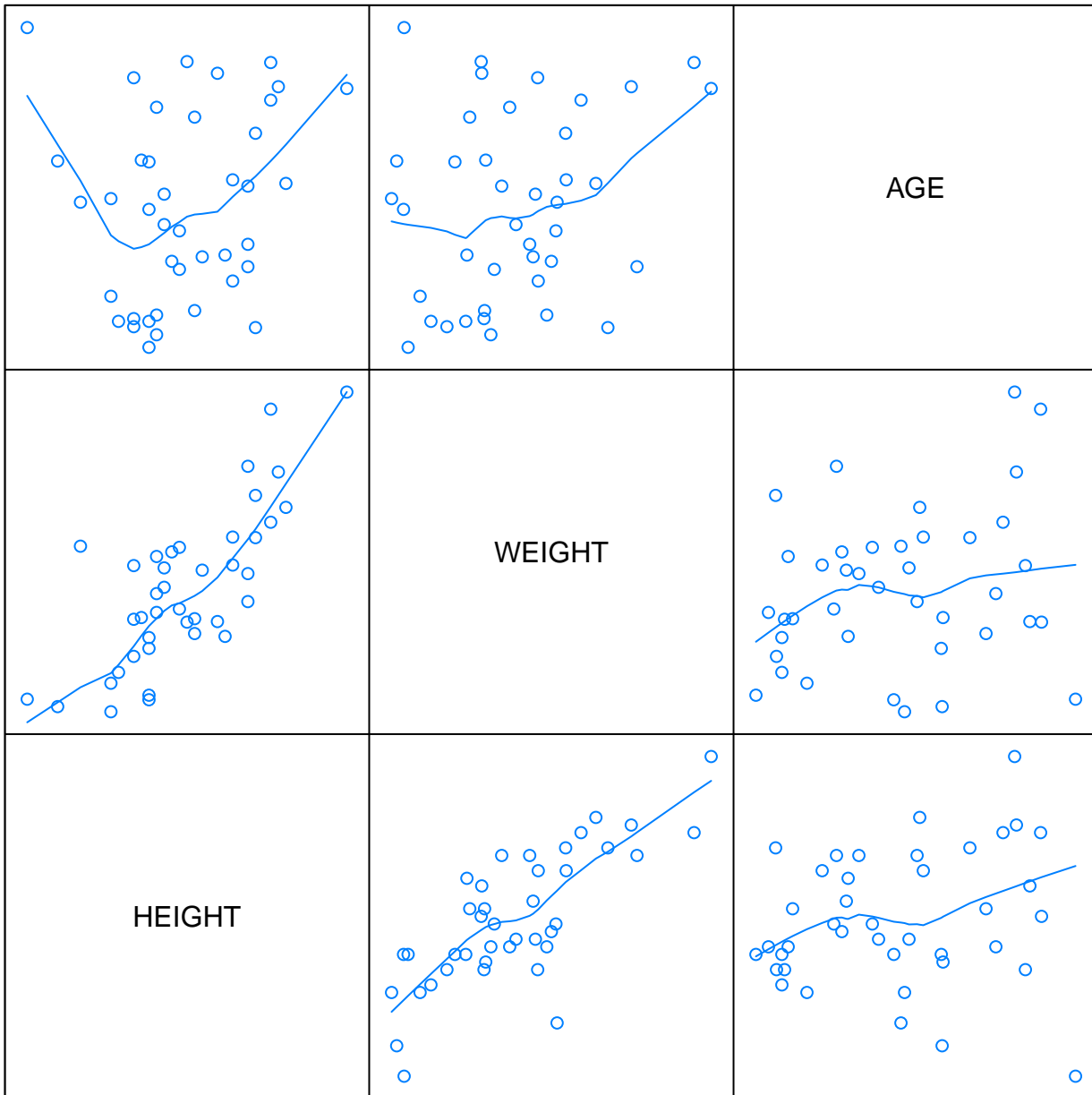
Model 1004 Boxplots of Residuals for female data



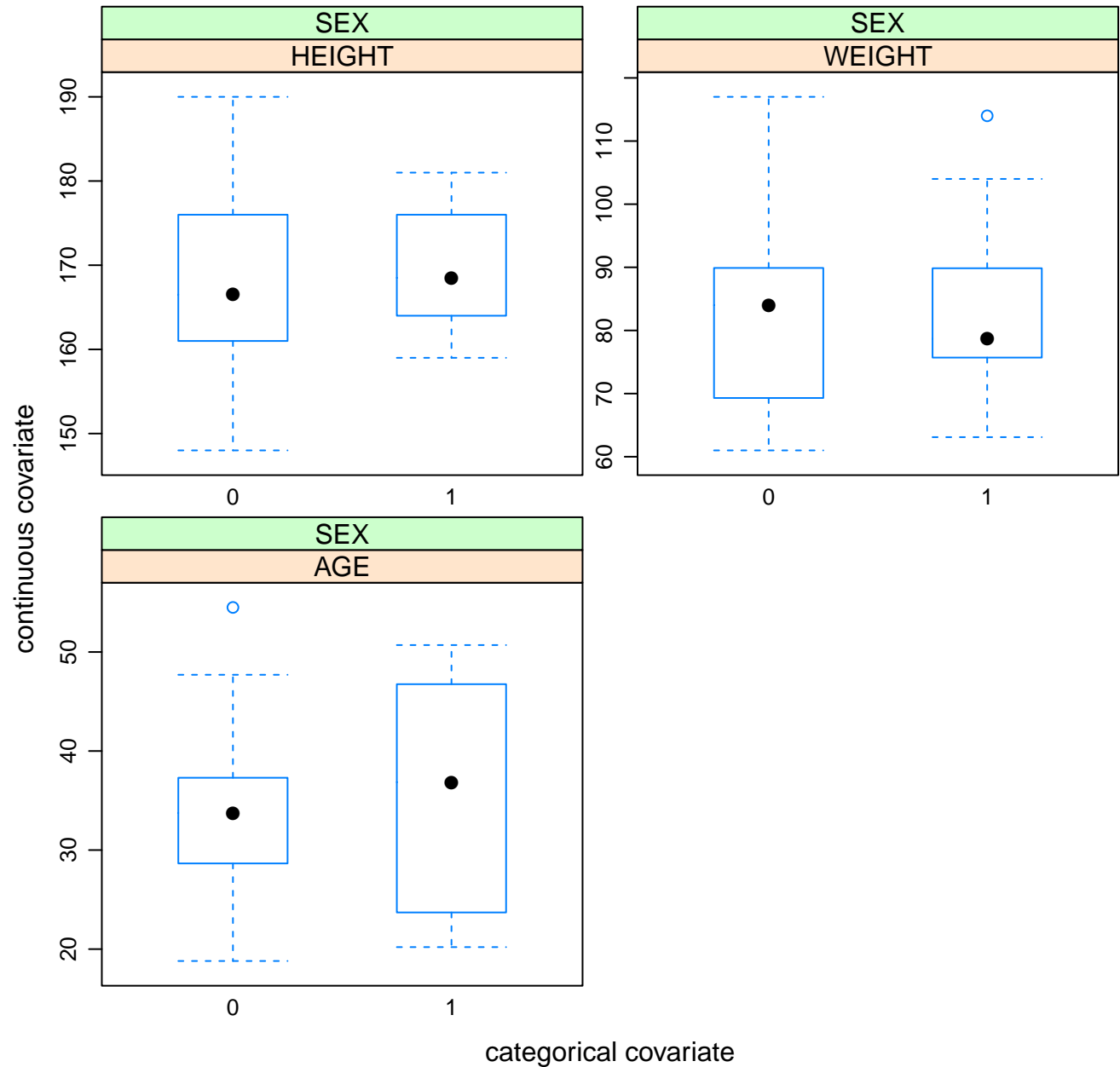
Model 1004 Boxplots of Residuals for male data



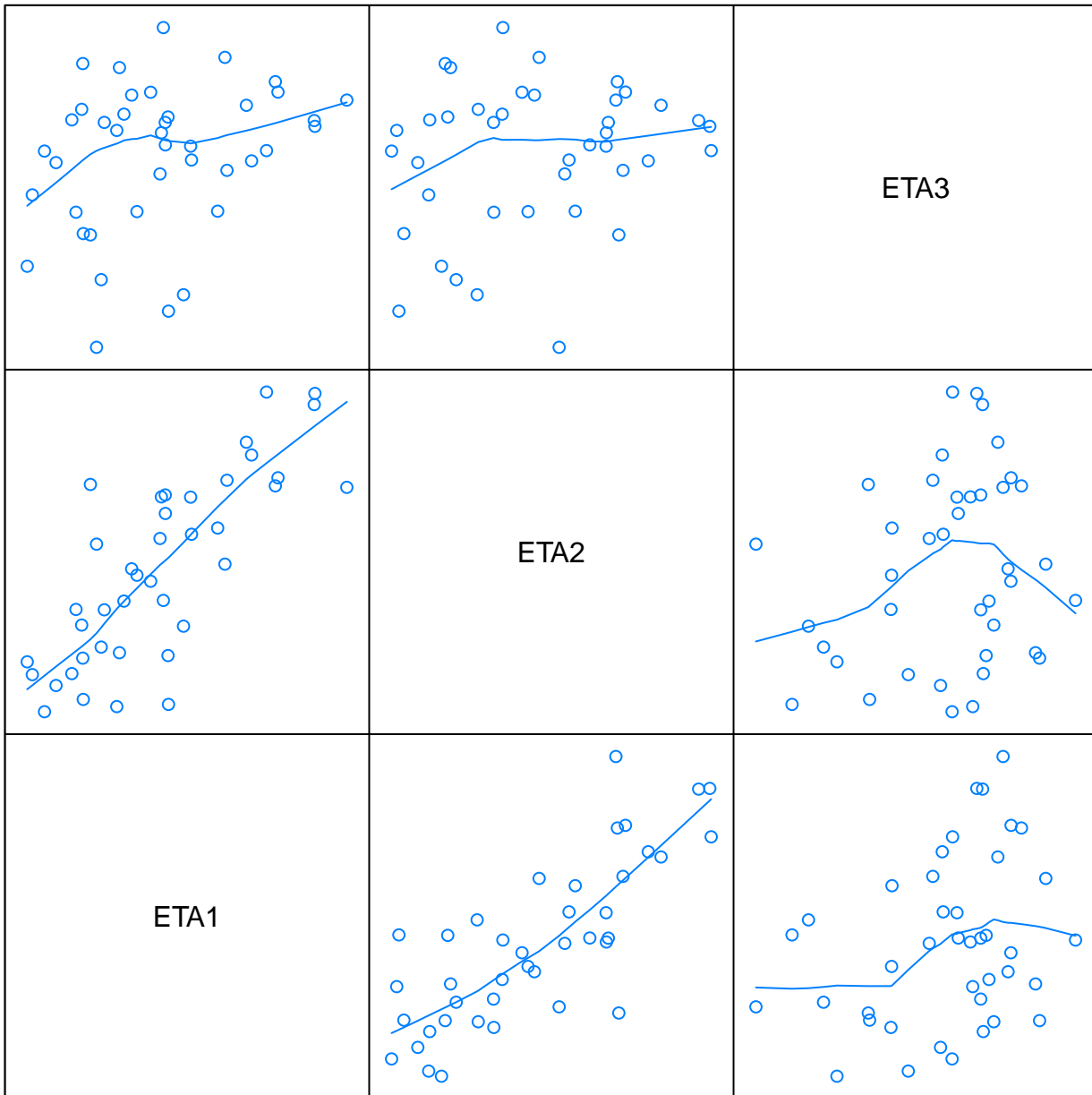
Covariate Scatterplots



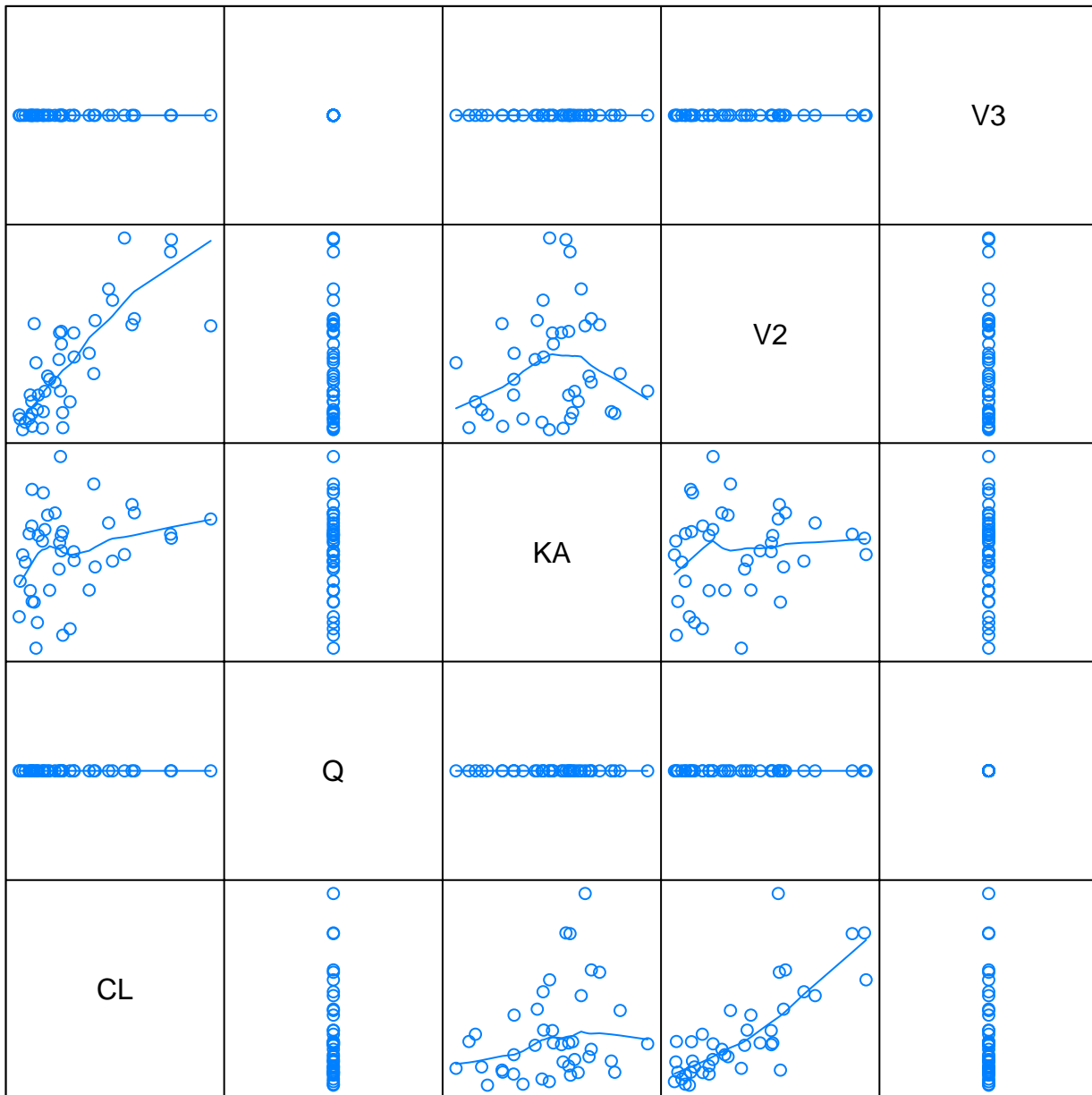
Continuous Covariates vs. Categorical Covariates



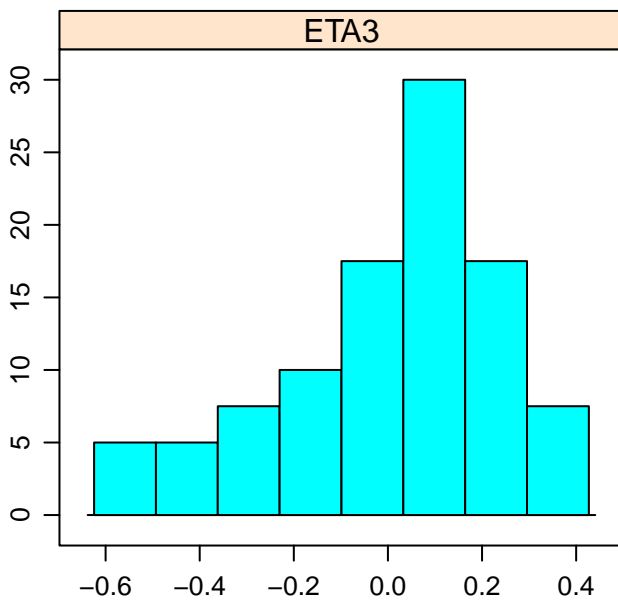
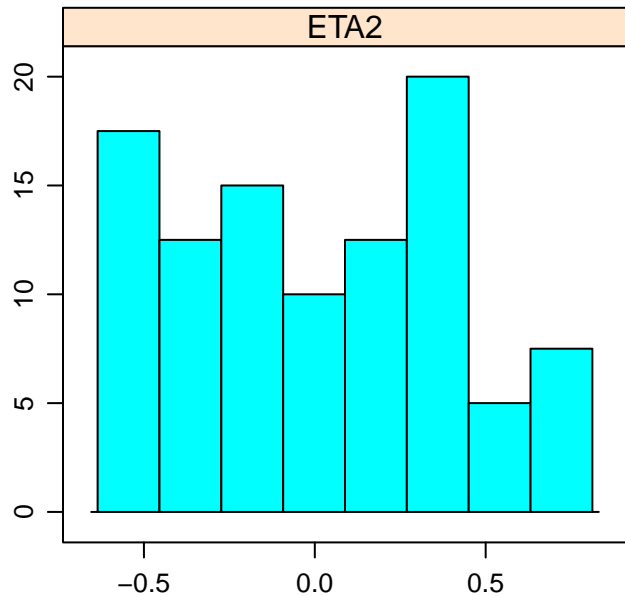
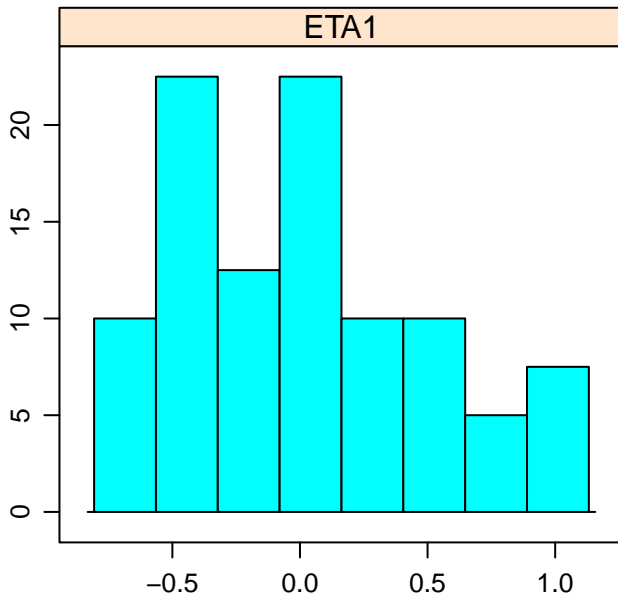
ETA Scatterplots



Parameter Scatterplots

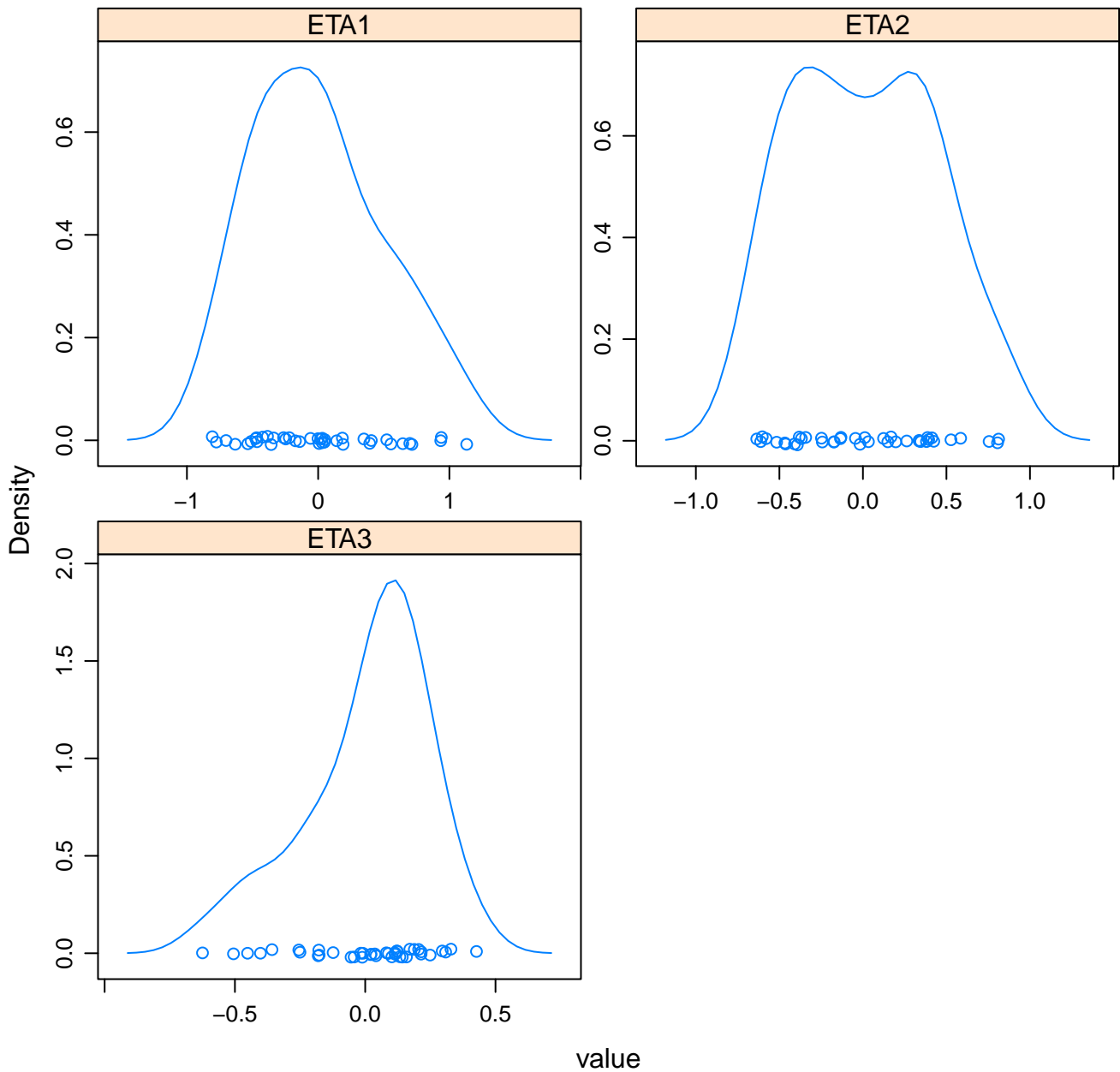


Histograms of Etas

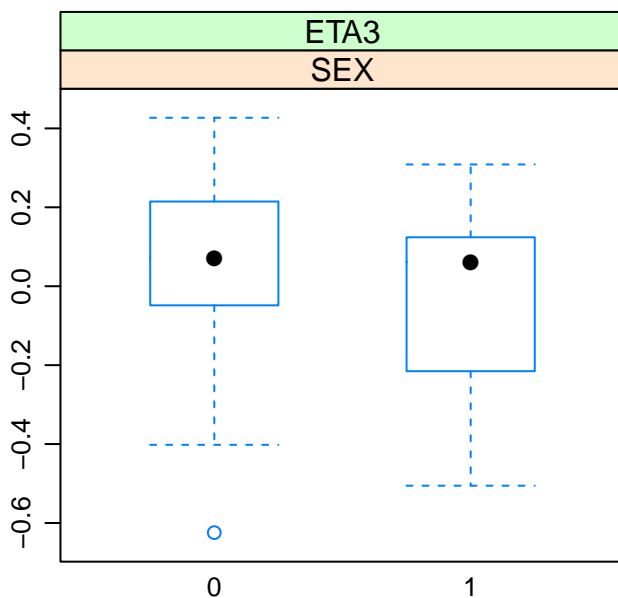
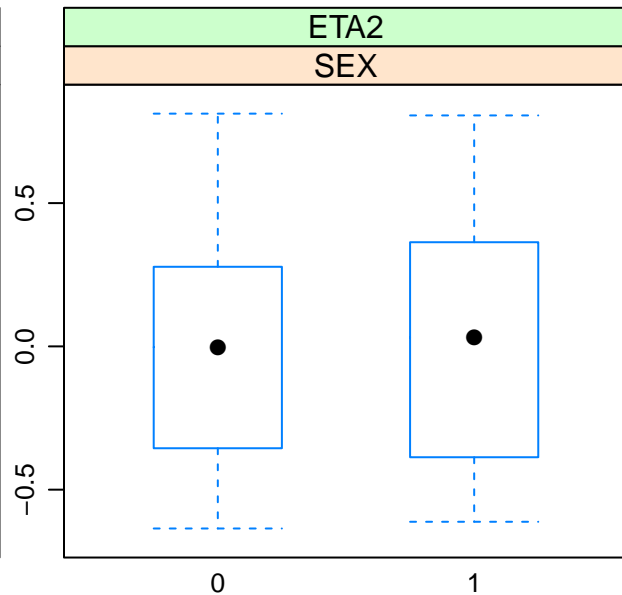
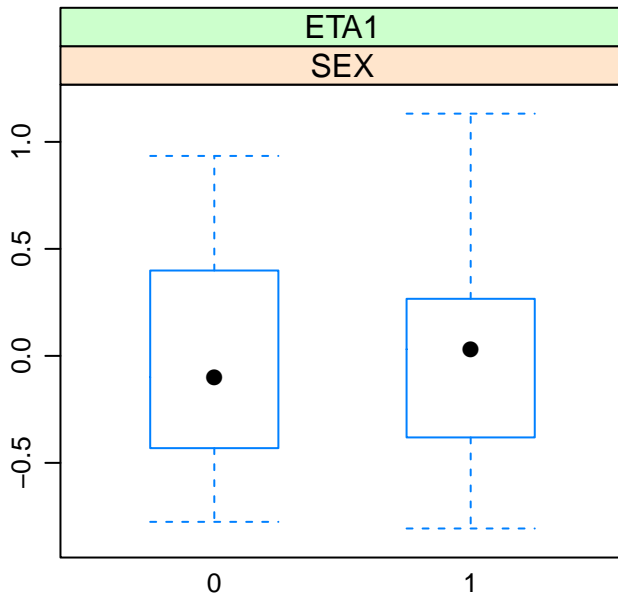


value

Density of Etas

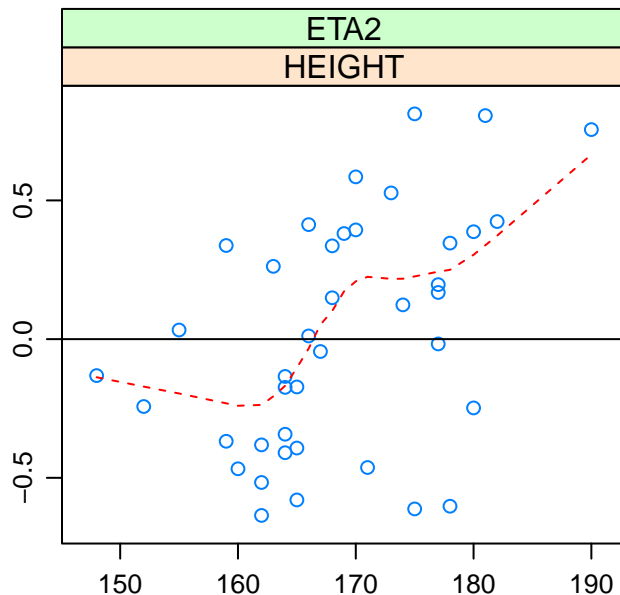
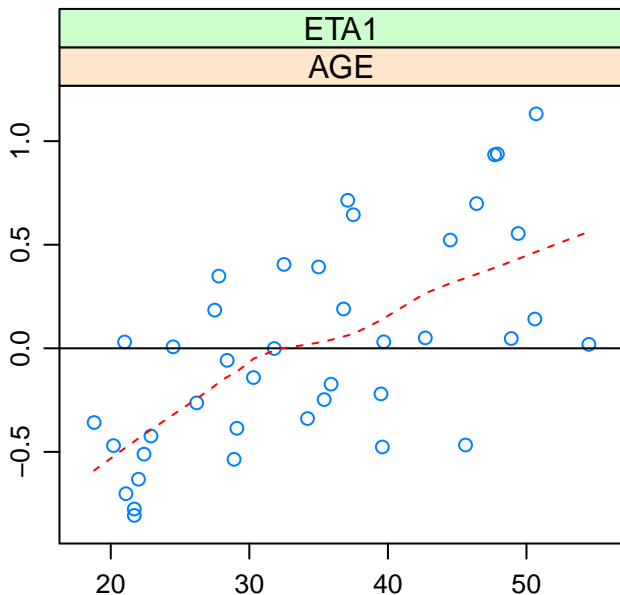
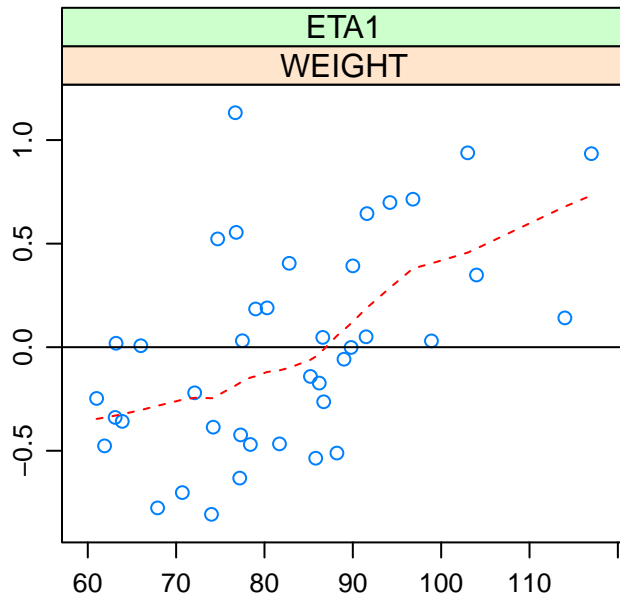
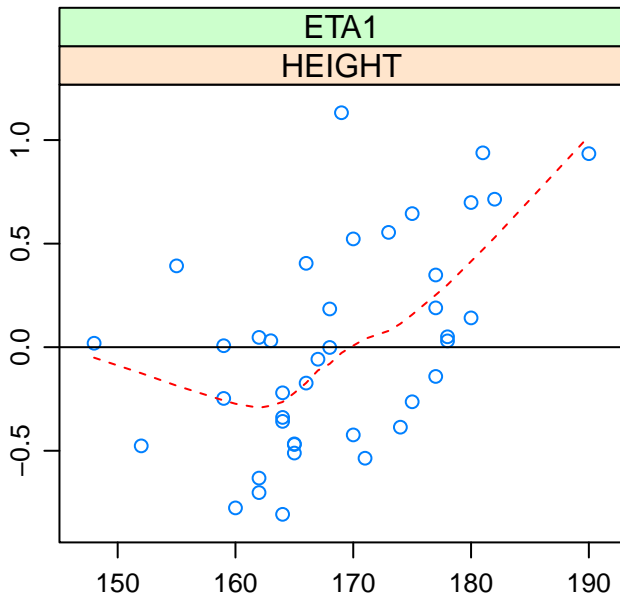


Boxplots of Etas by Categorical Covariate



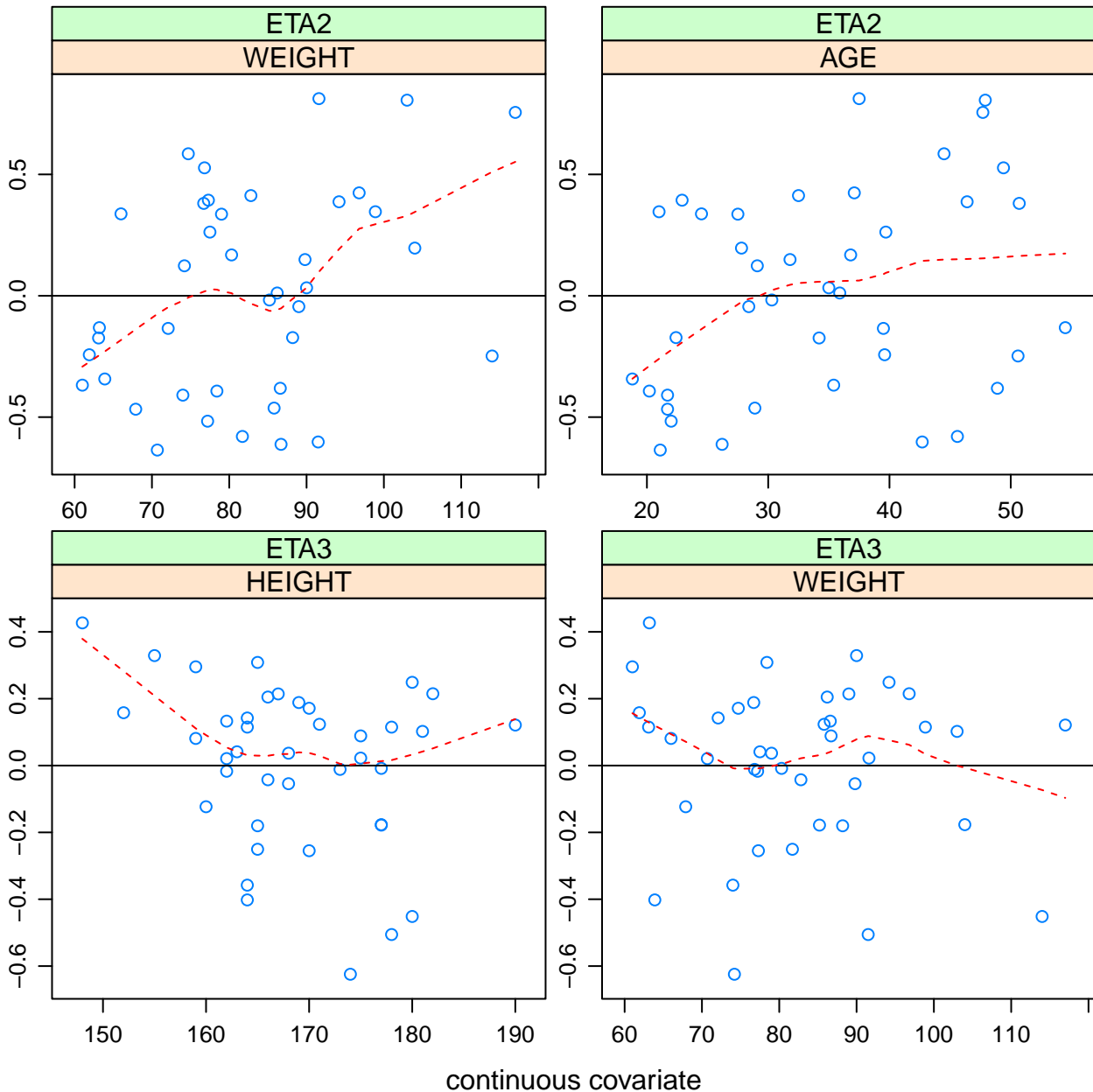
categorical covariate level

Etas vs. Continuous Covariates

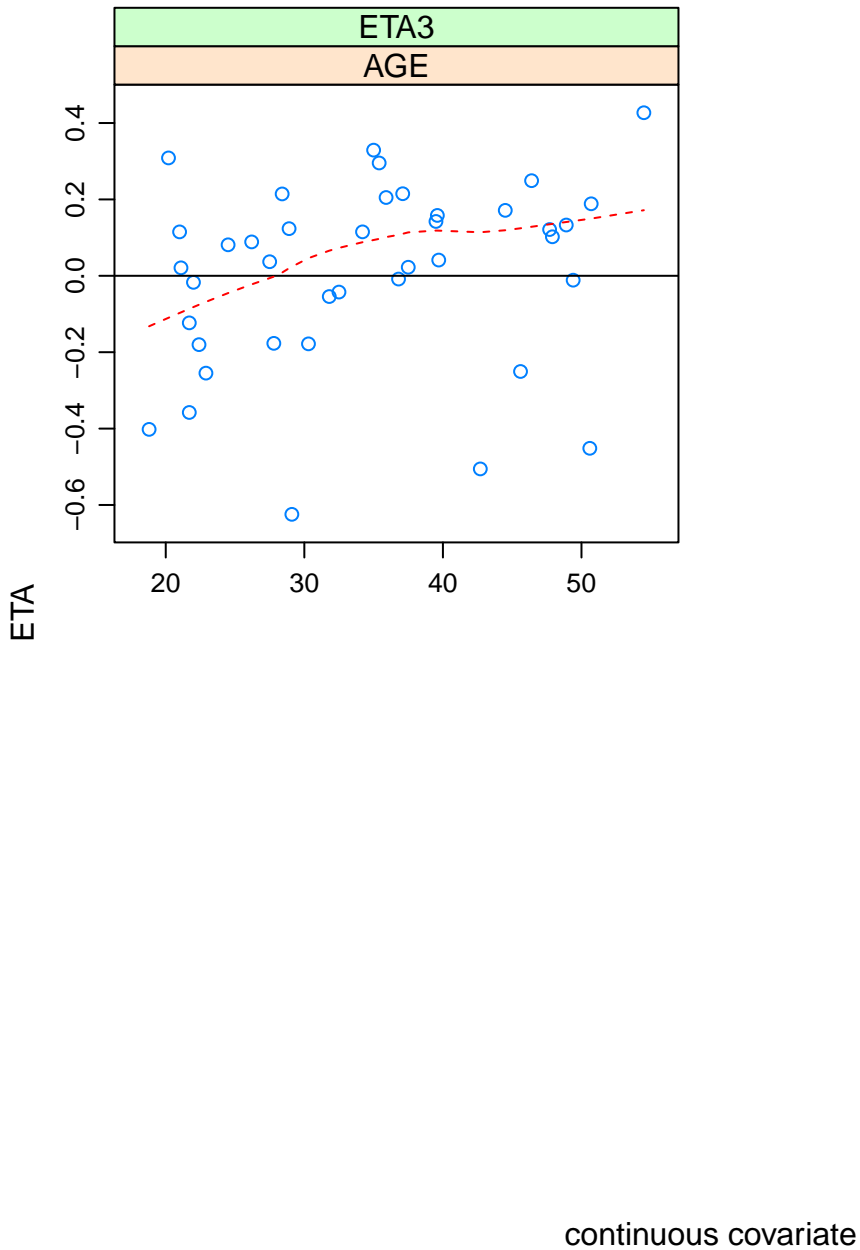


continuous covariate

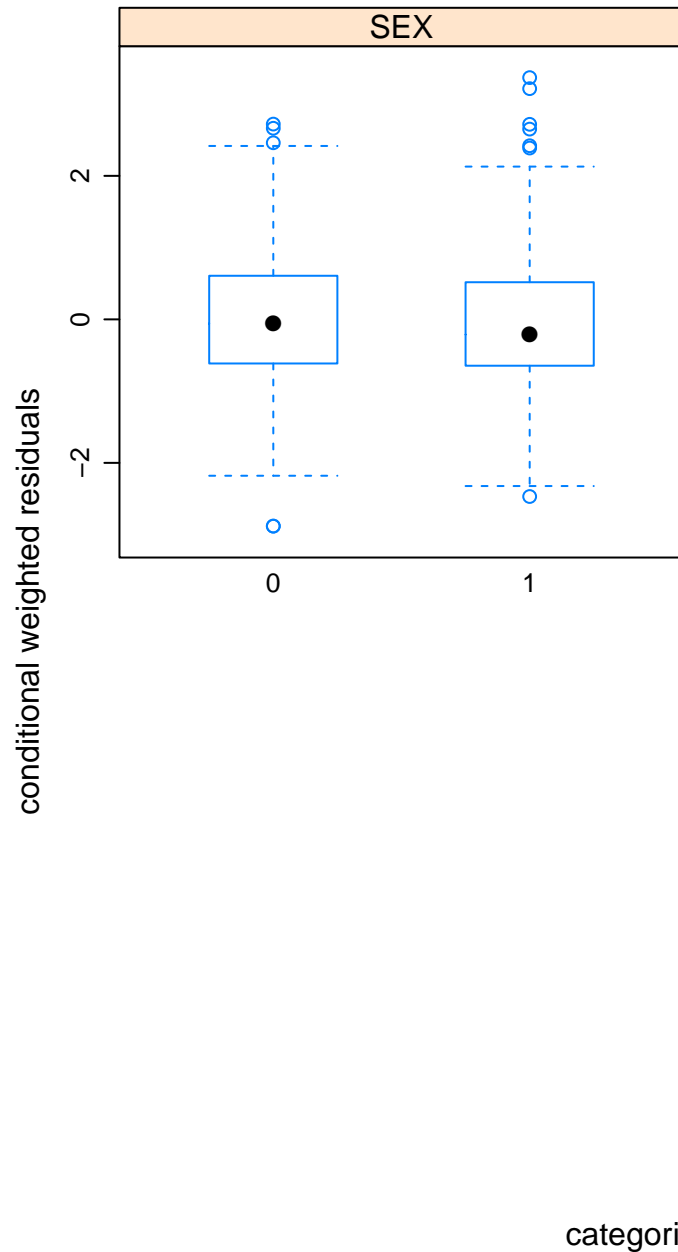
Etas vs. Continuous Covariates



Etas vs. Continuous Covariates

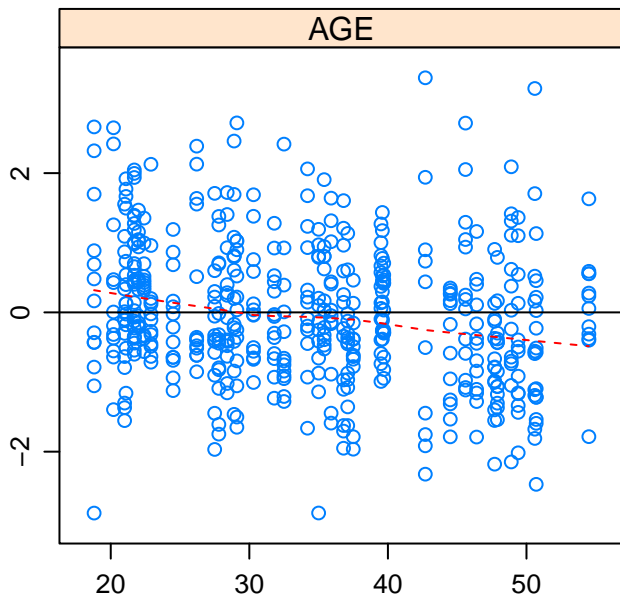
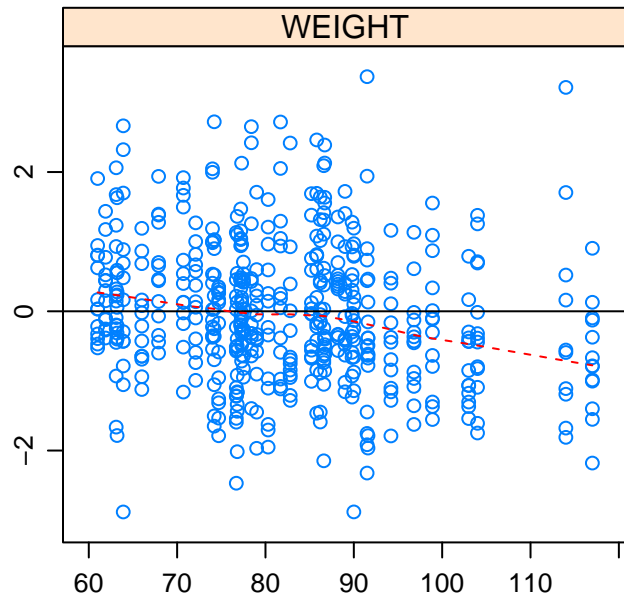
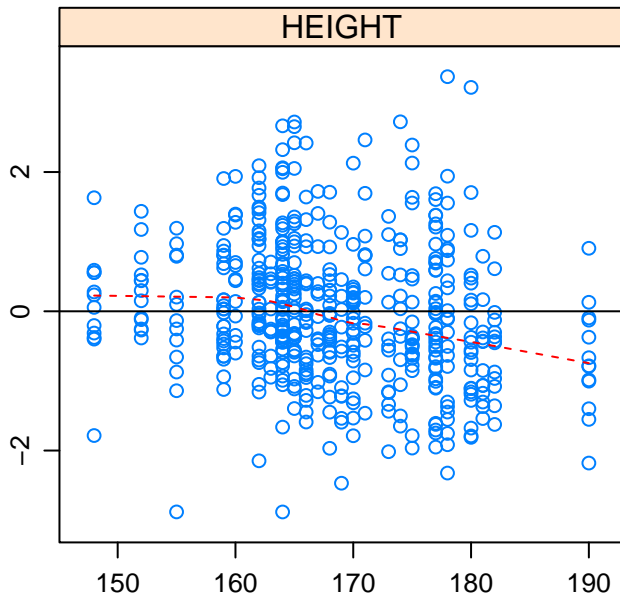


CWRES vs. Categorical Covariates



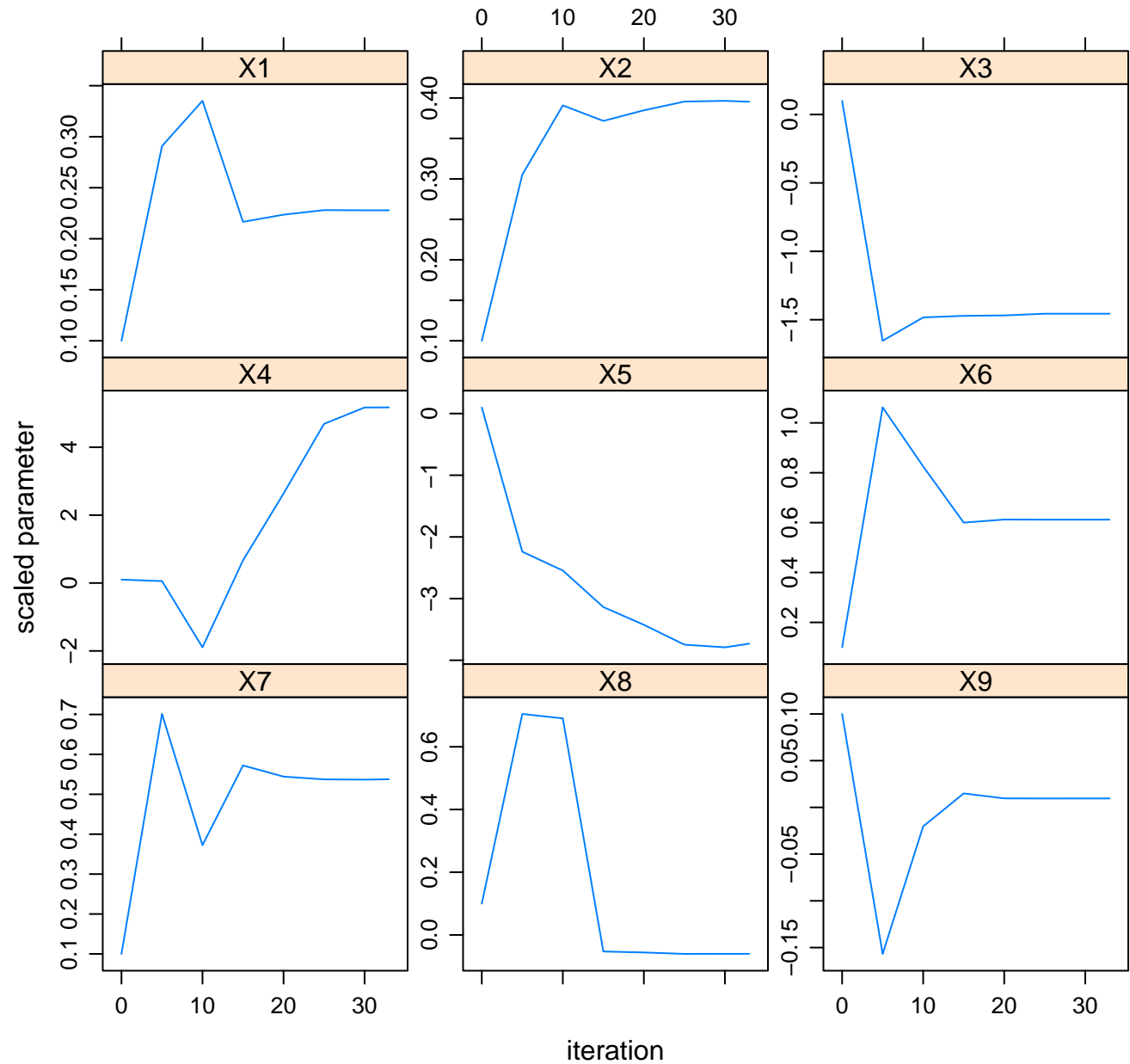
CWRES vs. Continuous Covariates

conditional weighted residuals



continuous covariate

Model 1004 parameter search



Model 1004 gradient search

