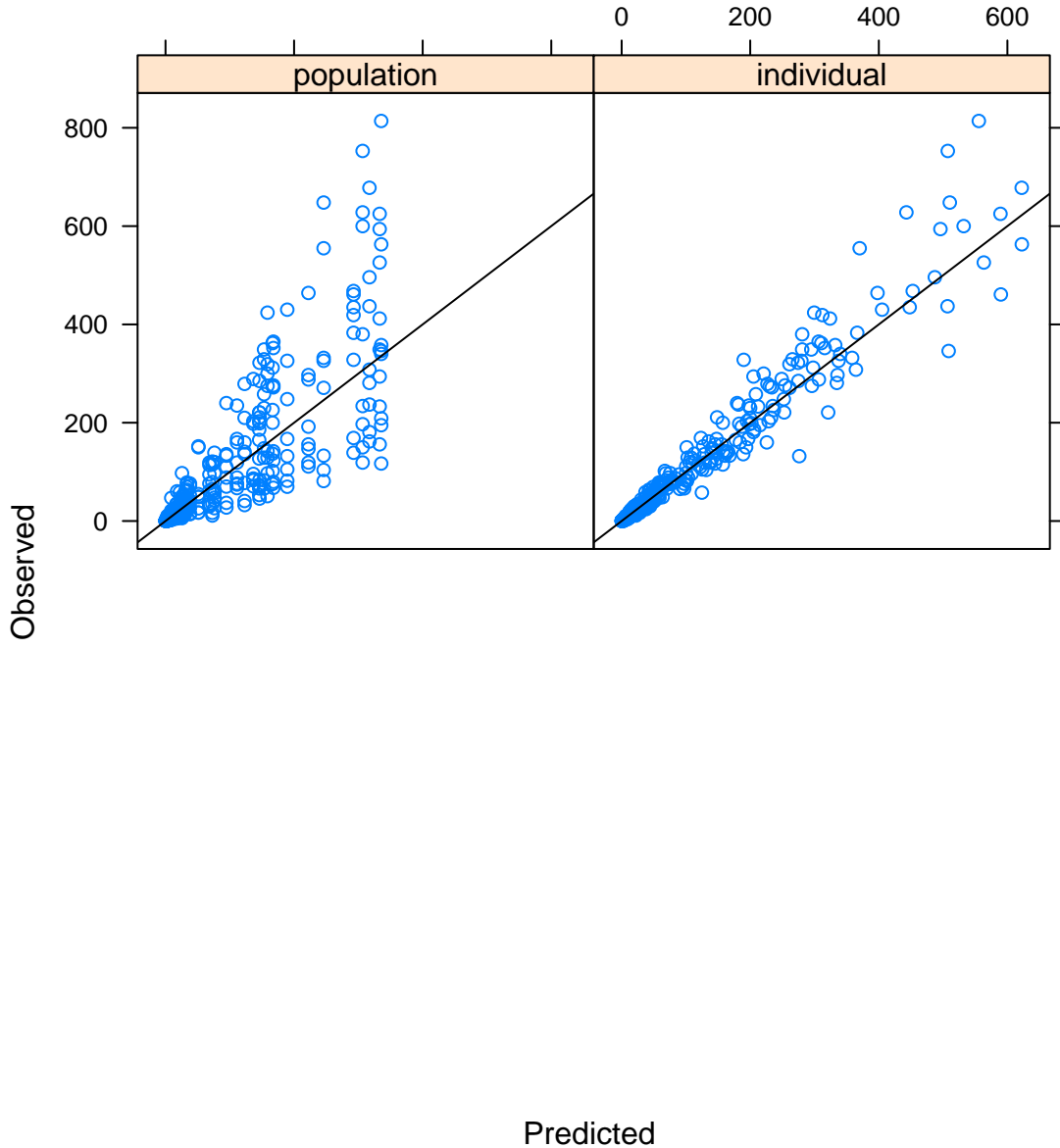


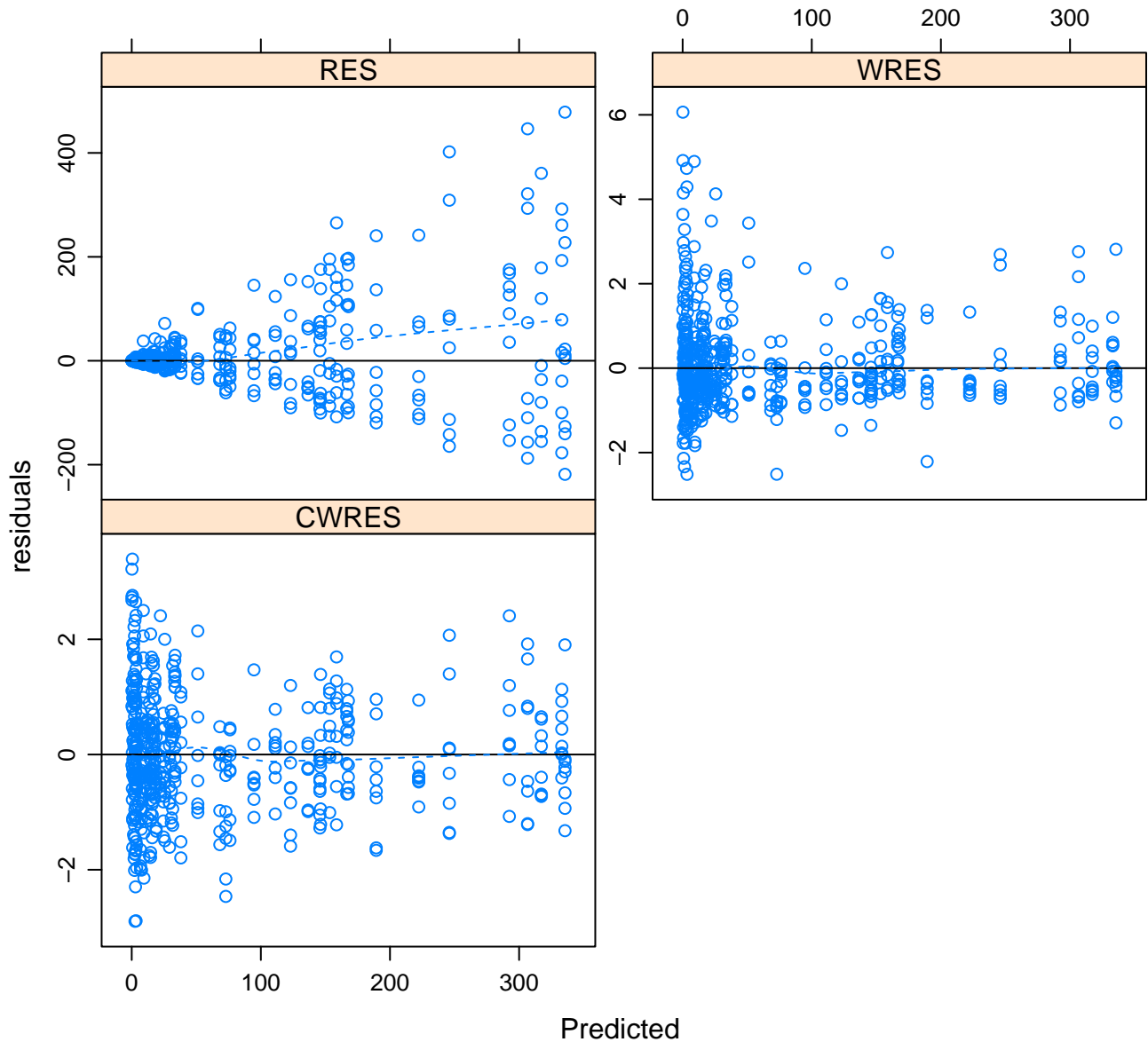
Model 1003

Observed vs. Predicted for all data



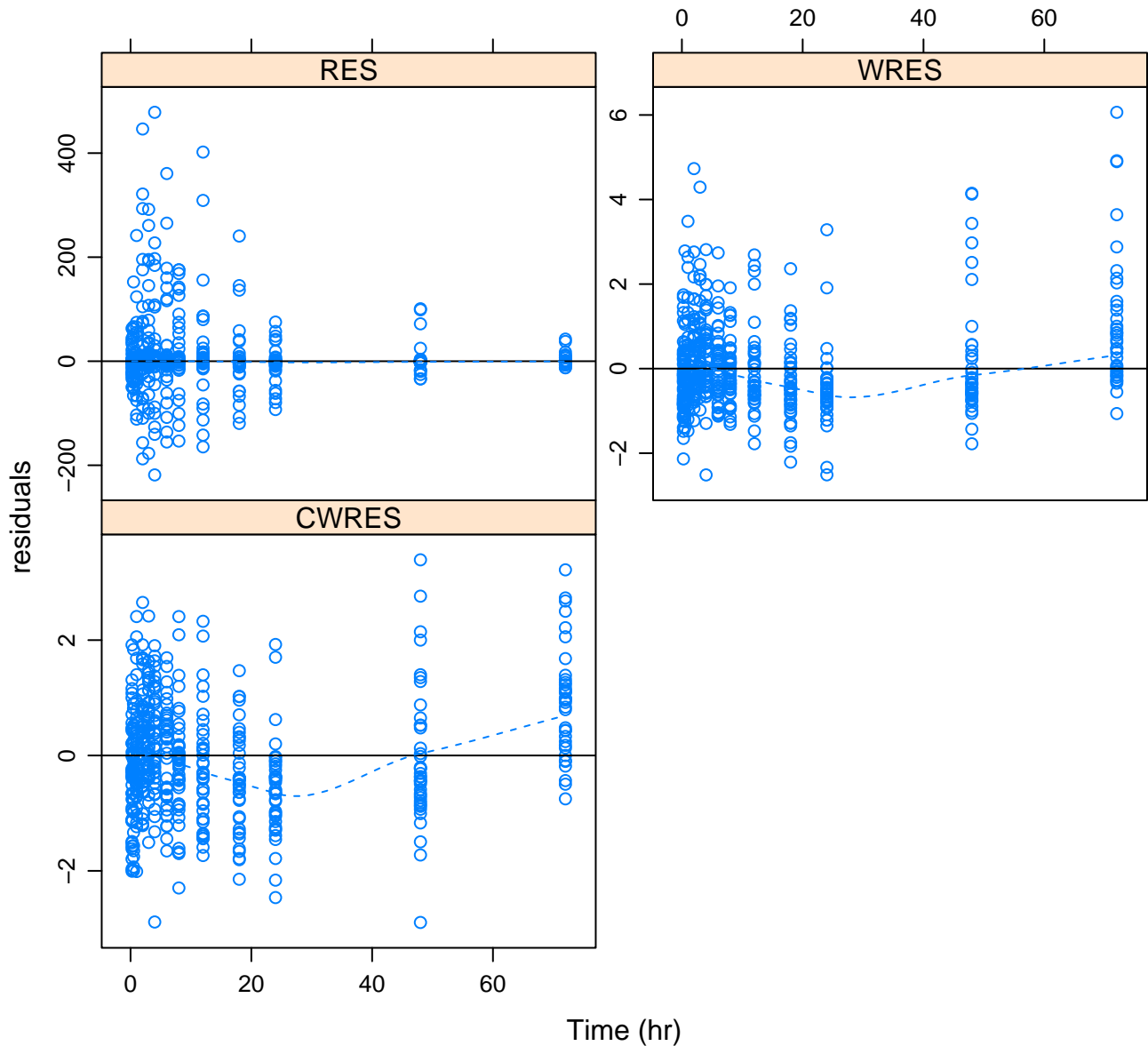
Model 1003

Residuals vs. Predicted for all data



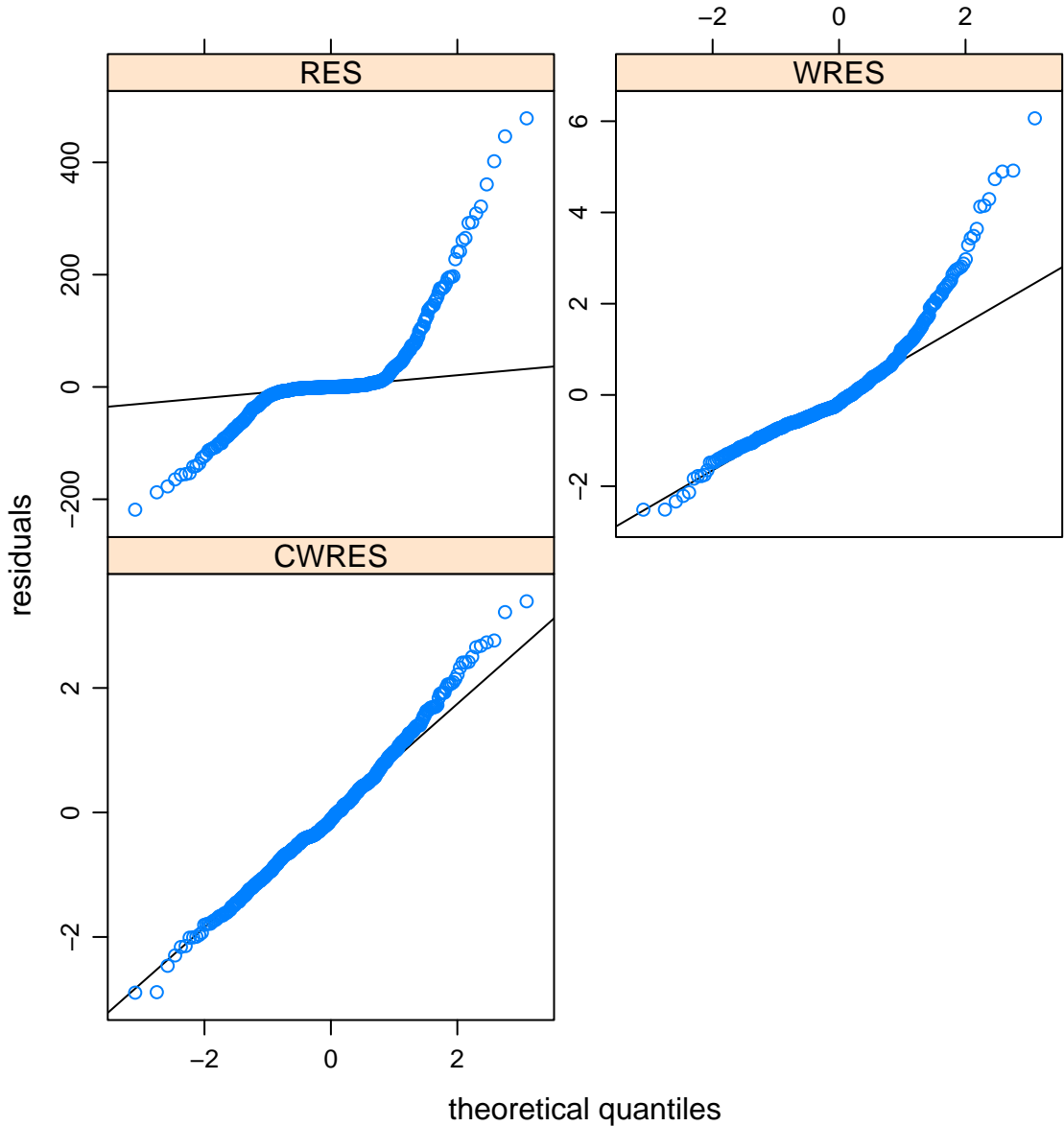
Model 1003

Residuals vs. Time for all data

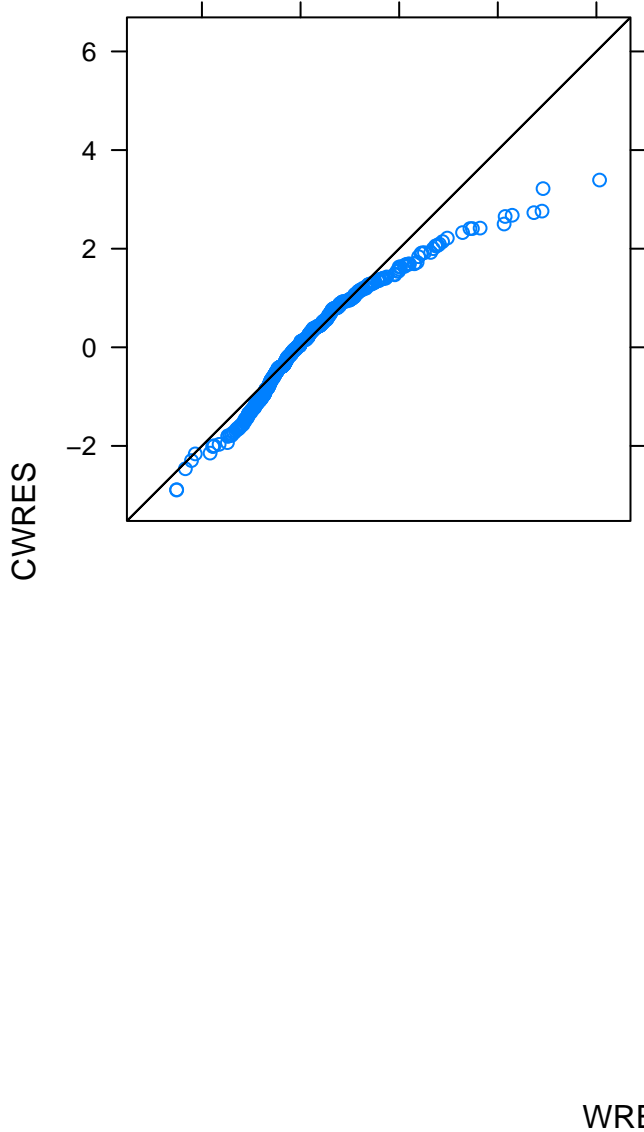


Model 1003

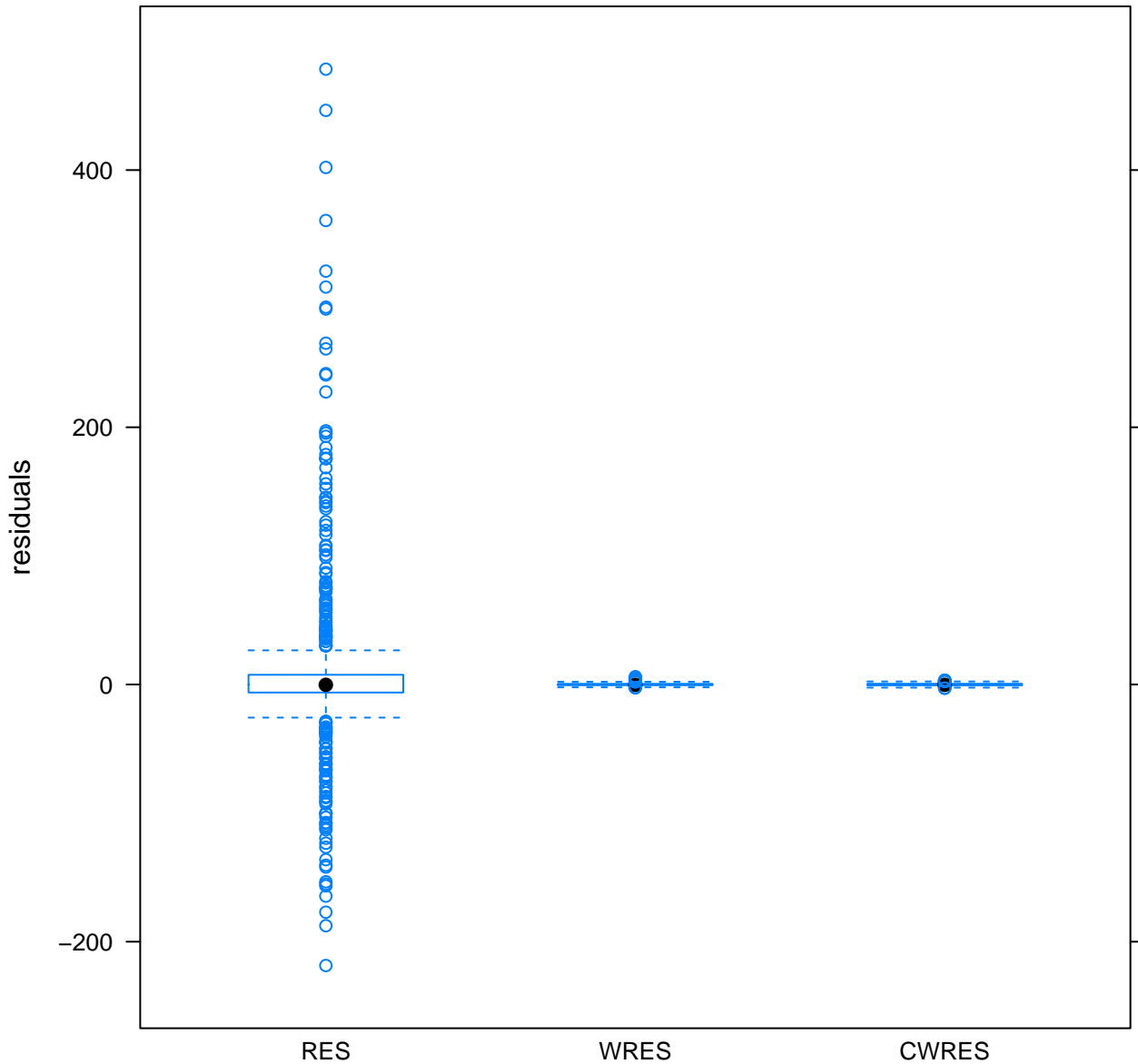
Normal Q-Q Plot Residuals for all data



Model 1003
Q-Q Plot of CWRES vs. WRES for all data

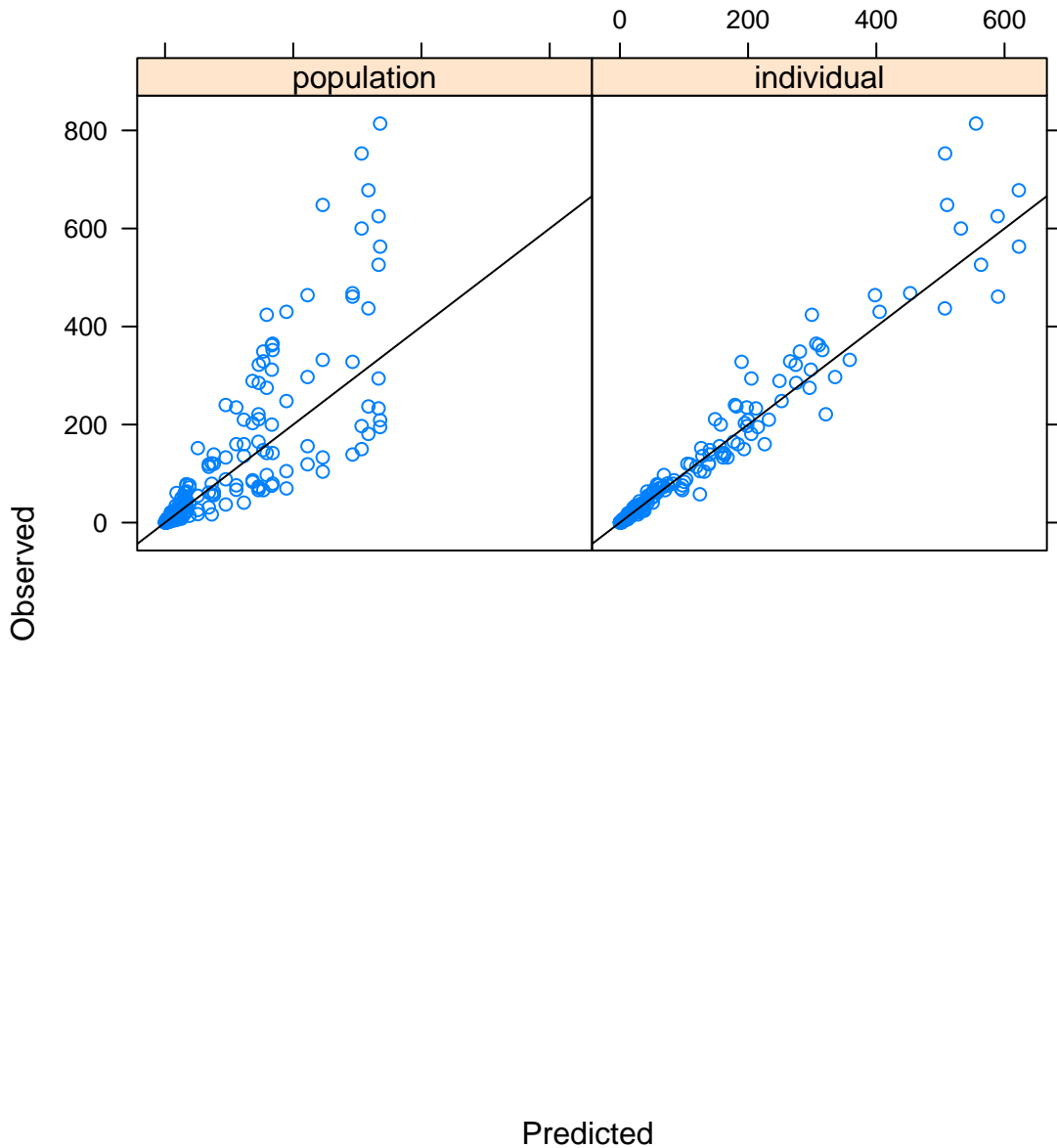


Model 1003 Boxplots of Residuals for all data



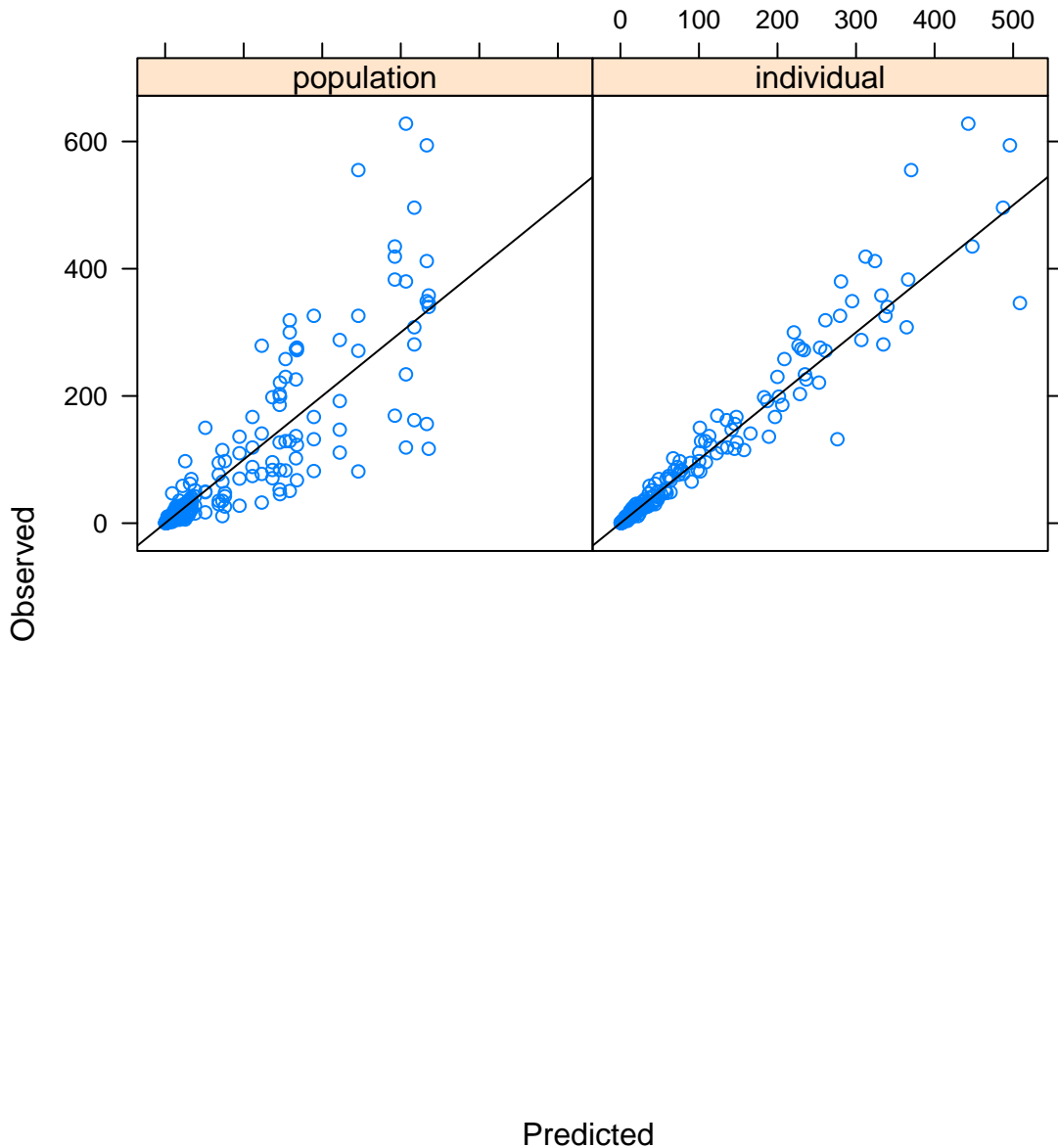
Model 1003

Observed vs. Predicted for female data



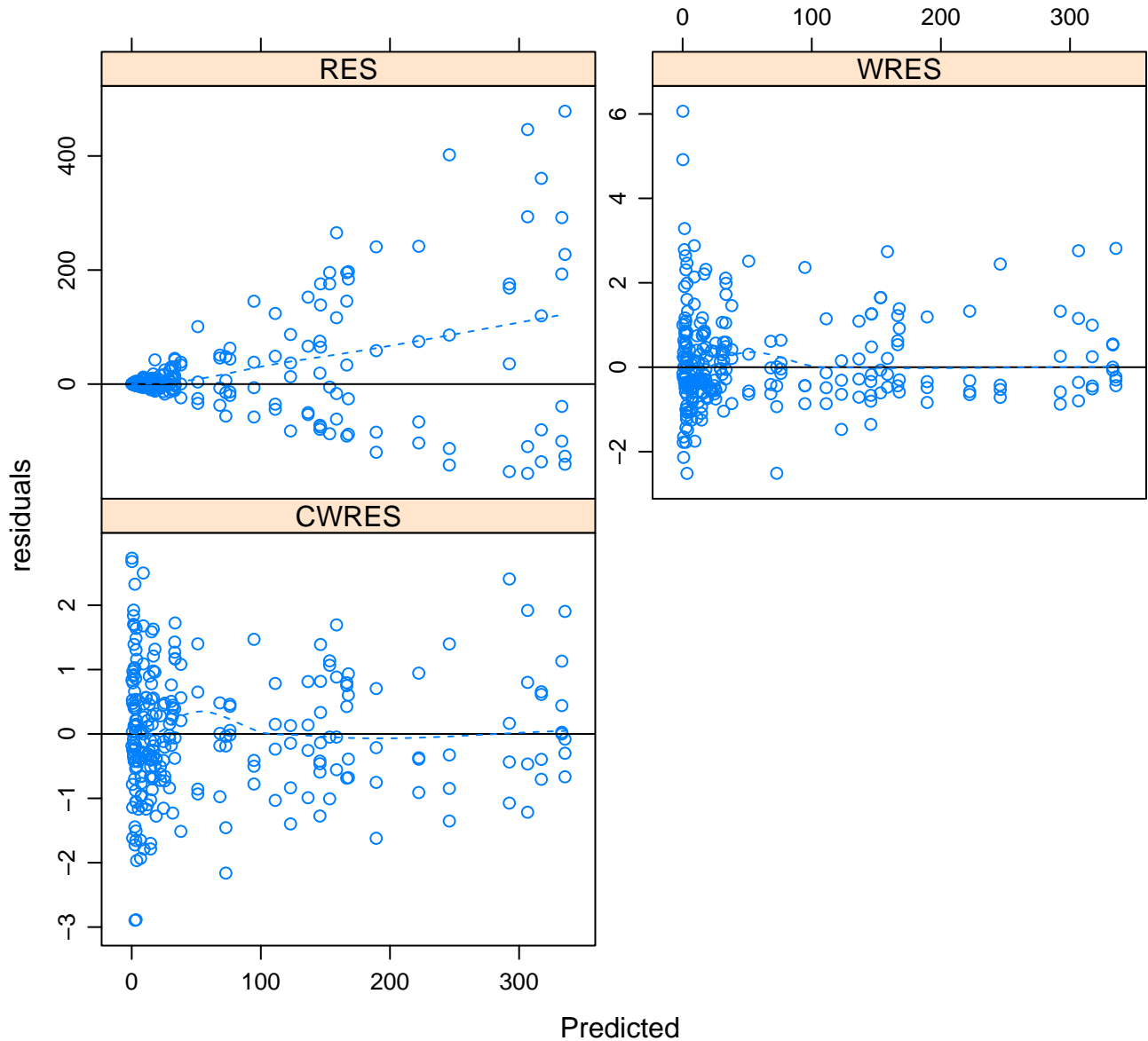
Model 1003

Observed vs. Predicted for male data



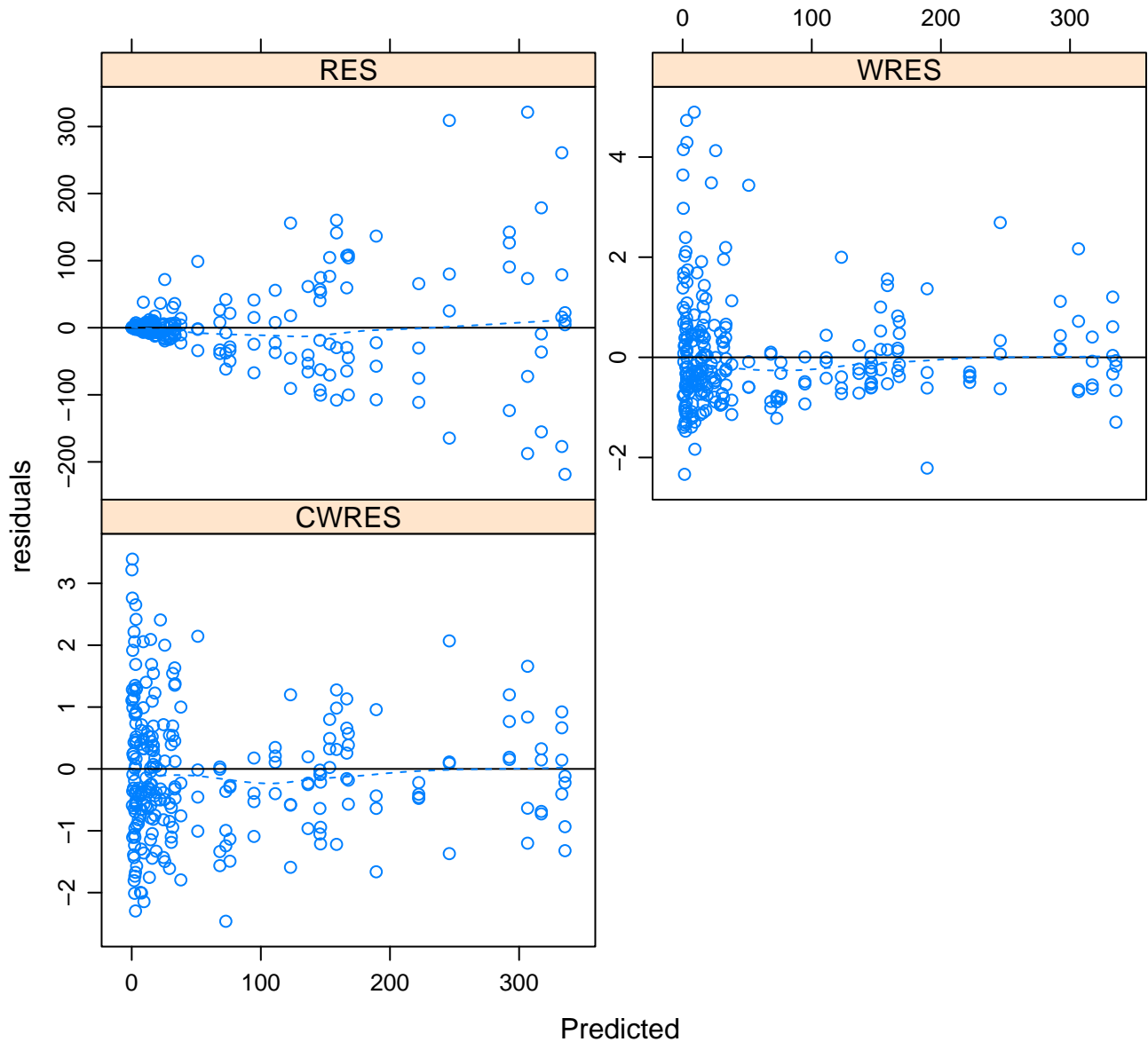
Model 1003

Residuals vs. Predicted for female data



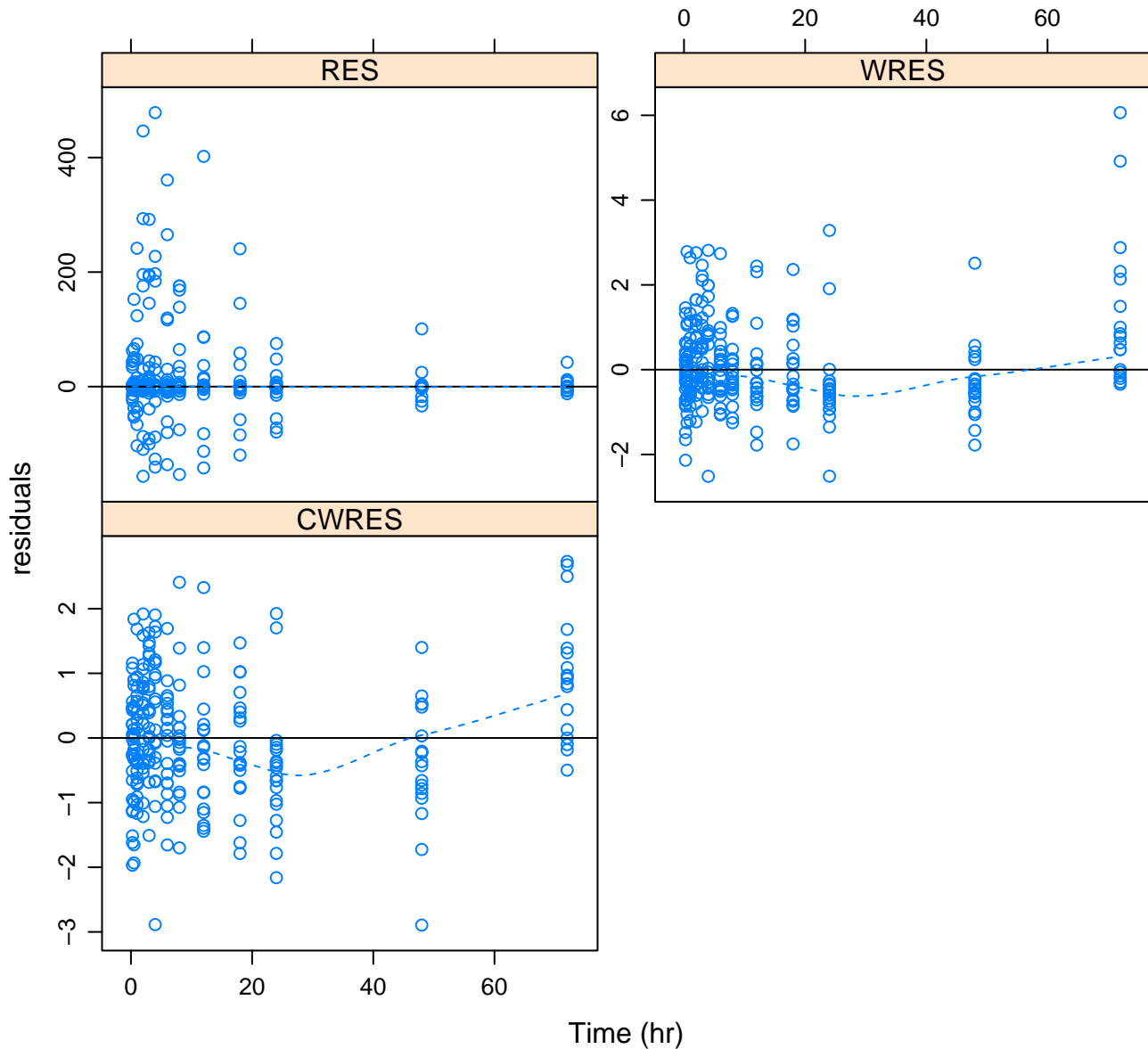
Model 1003

Residuals vs. Predicted for male data



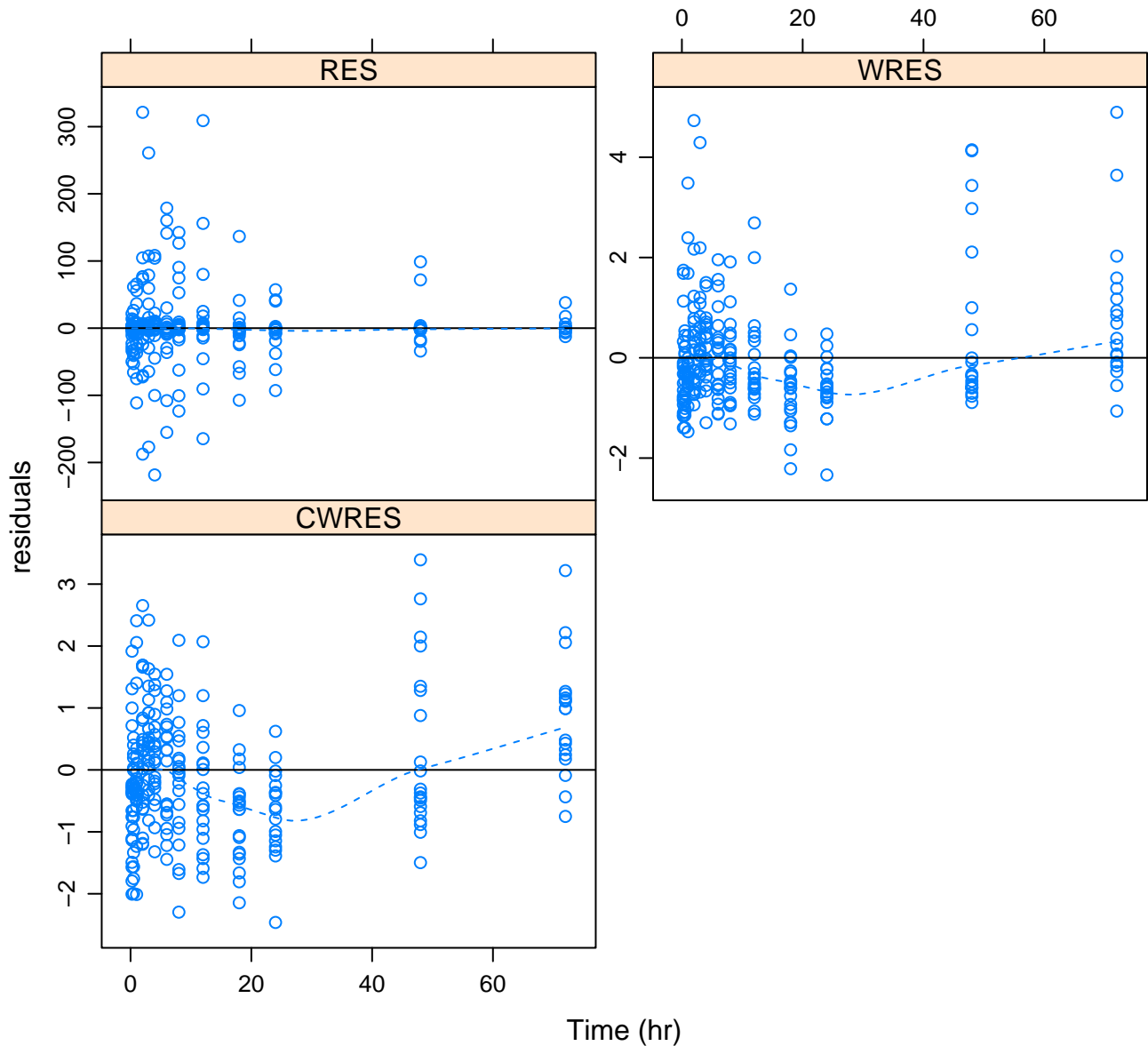
Model 1003

Residuals vs. Time for female data



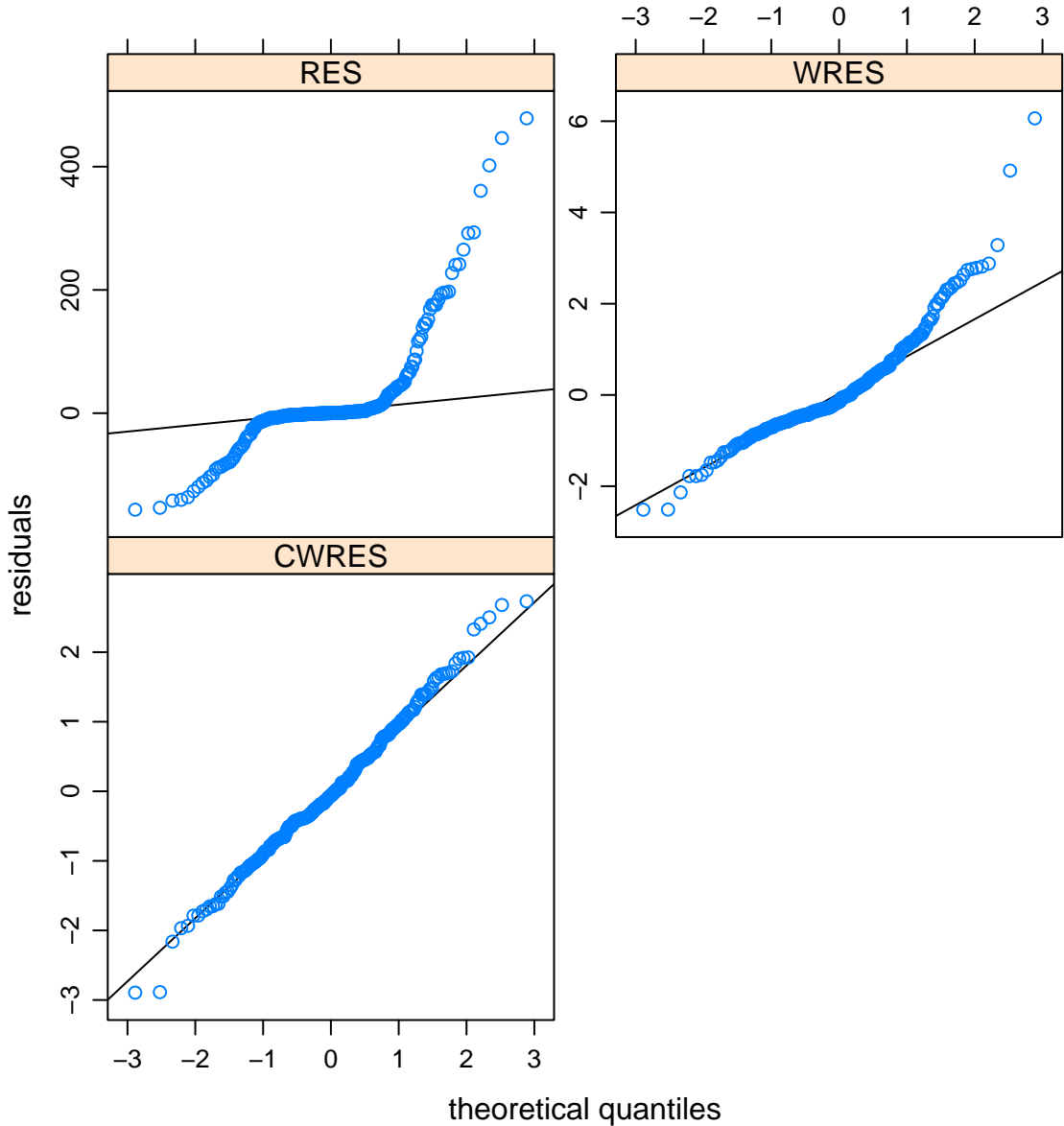
Model 1003

Residuals vs. Time for male data



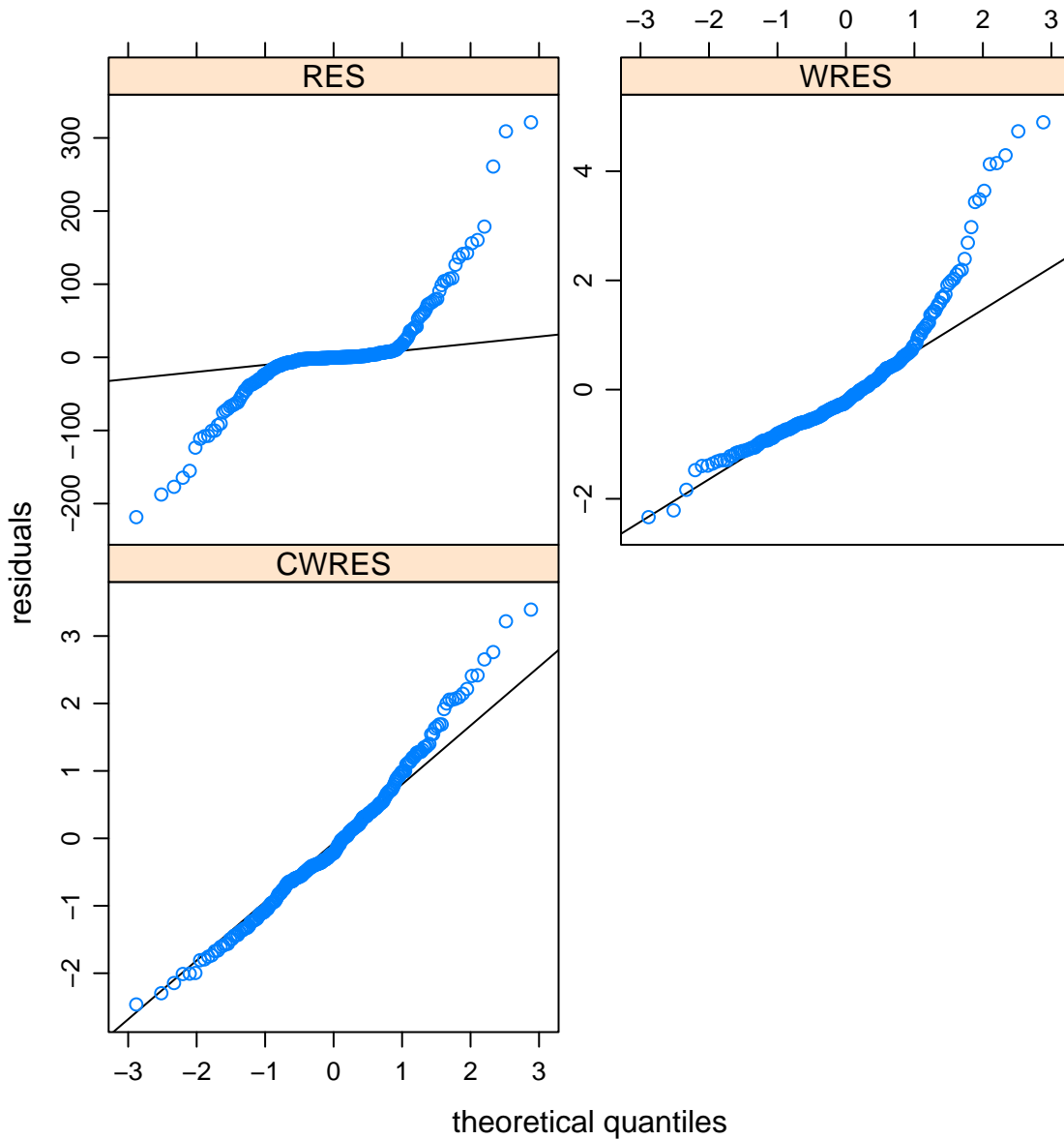
Model 1003

Normal Q-Q Plot Residuals for female data



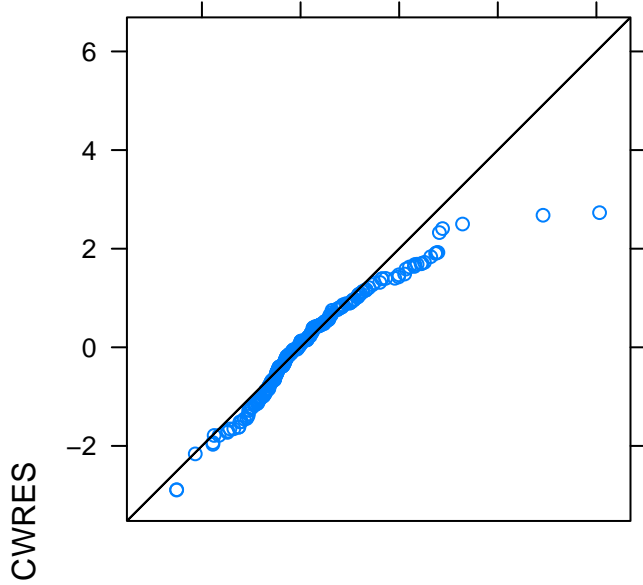
Model 1003

Normal Q-Q Plot Residuals for male data



Model 1003

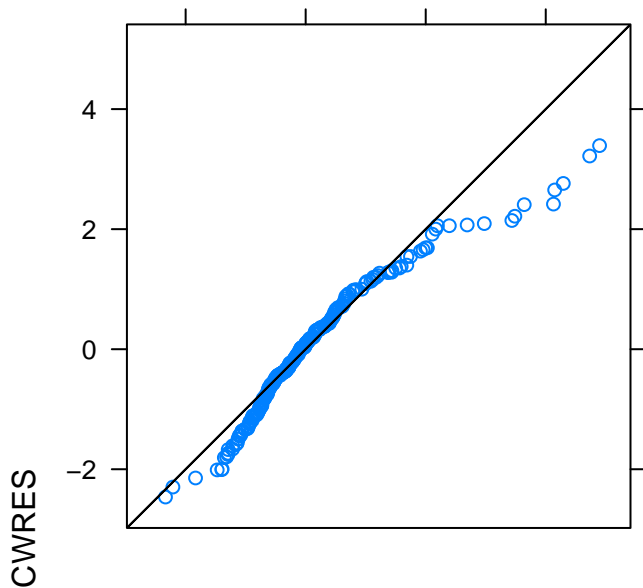
Q-Q Plot of CWRES vs. WRES for female data



WRES

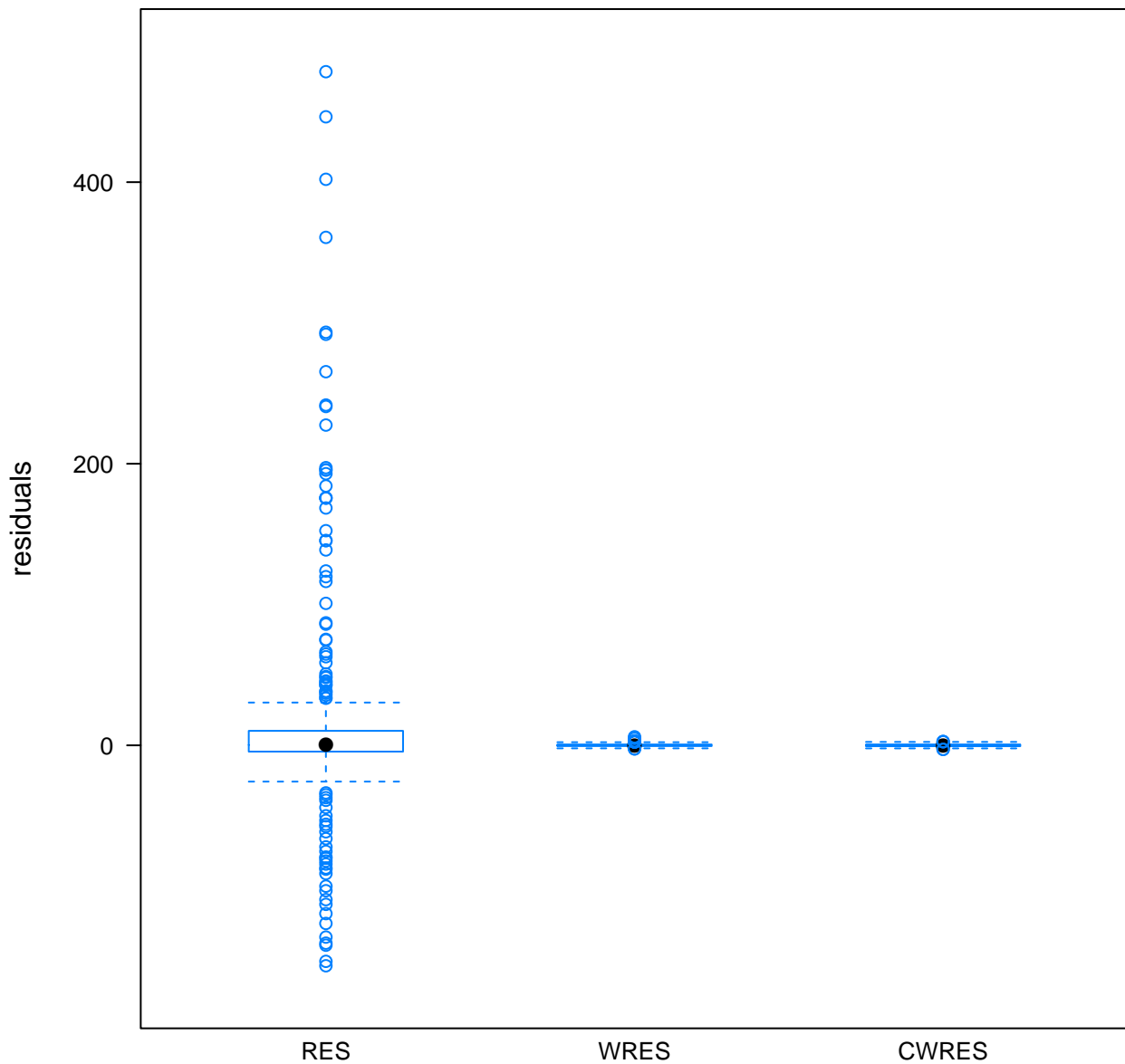
Model 1003

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

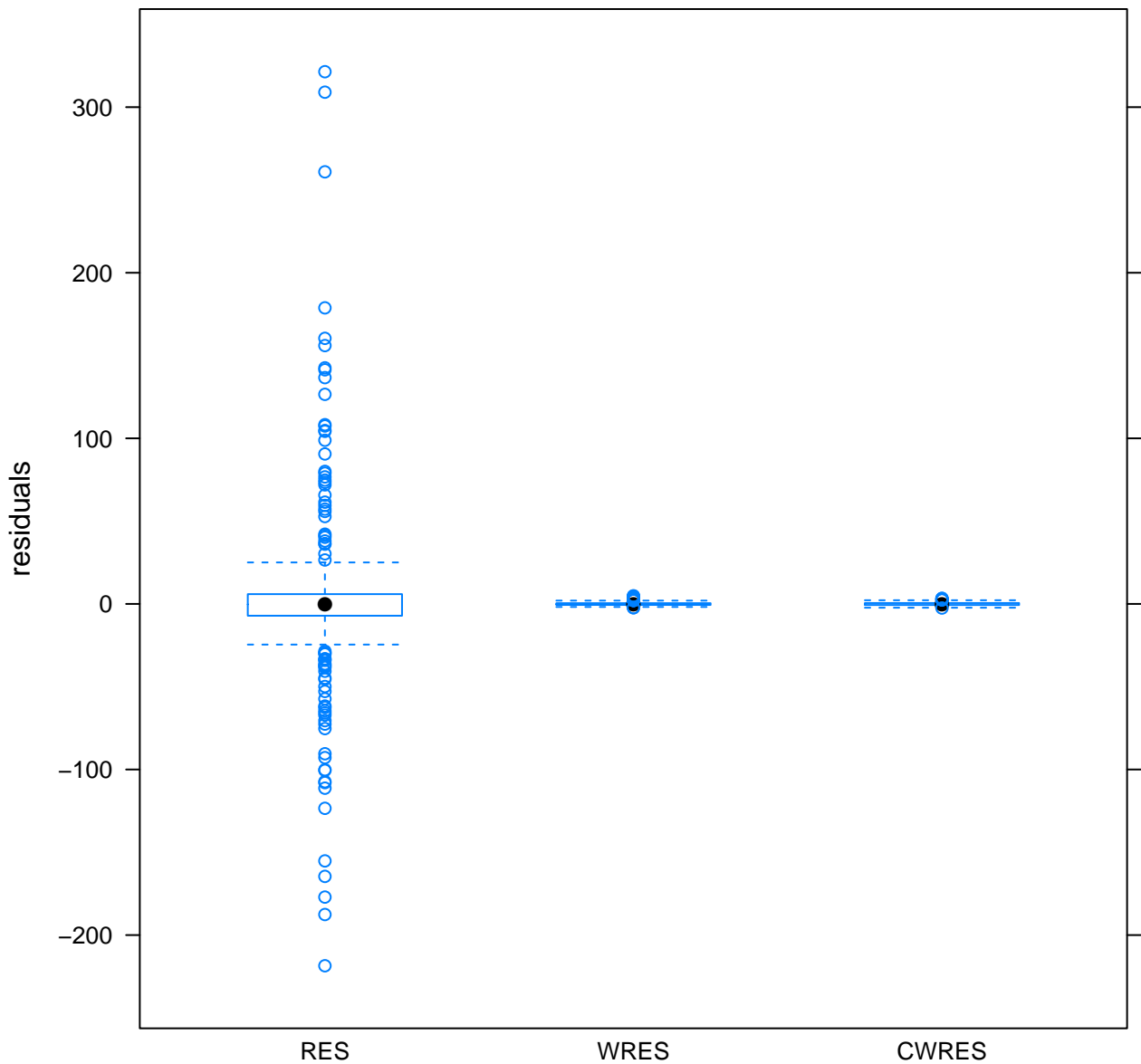


WRES

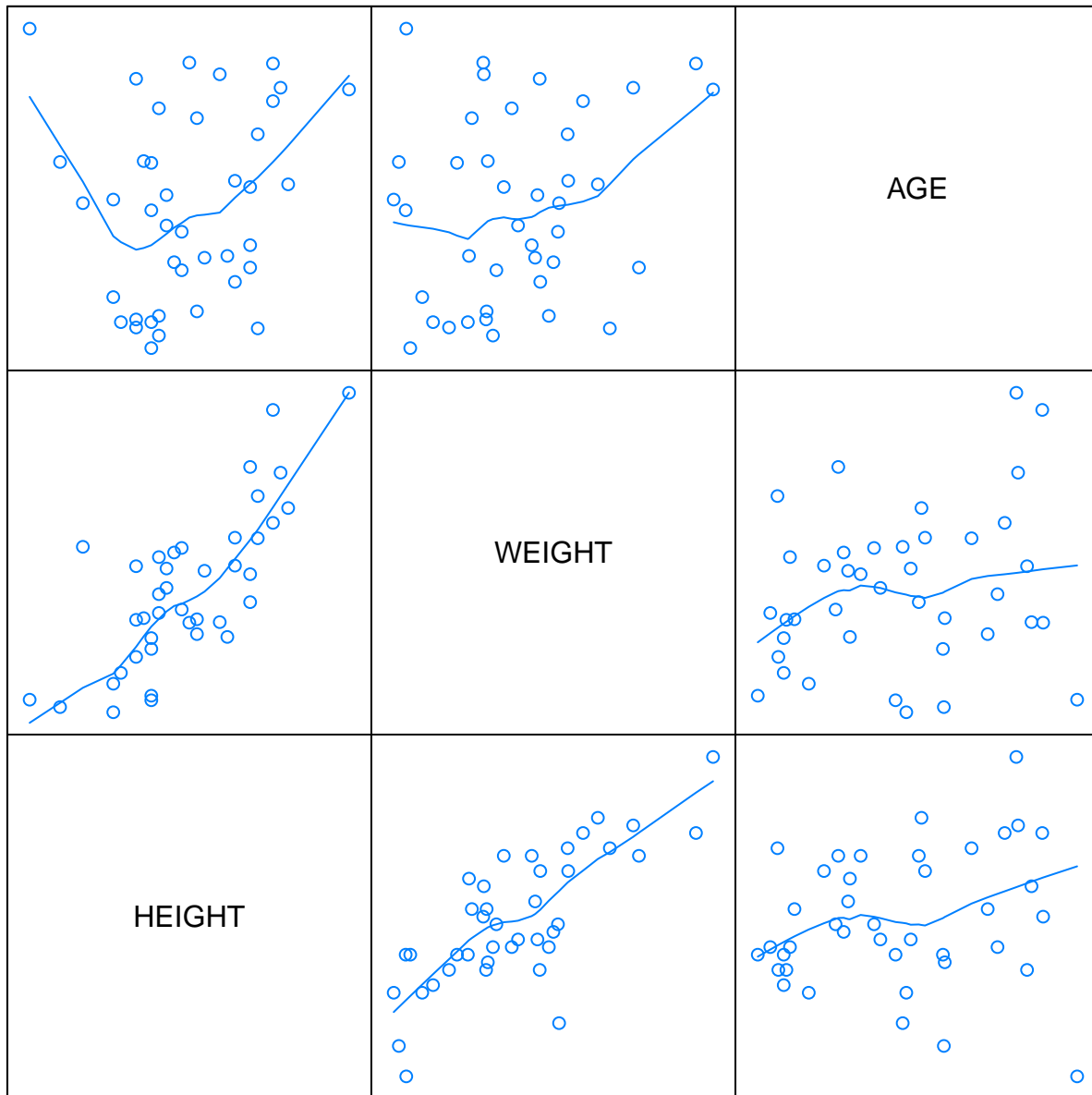
Model 1003 Boxplots of Residuals for female data



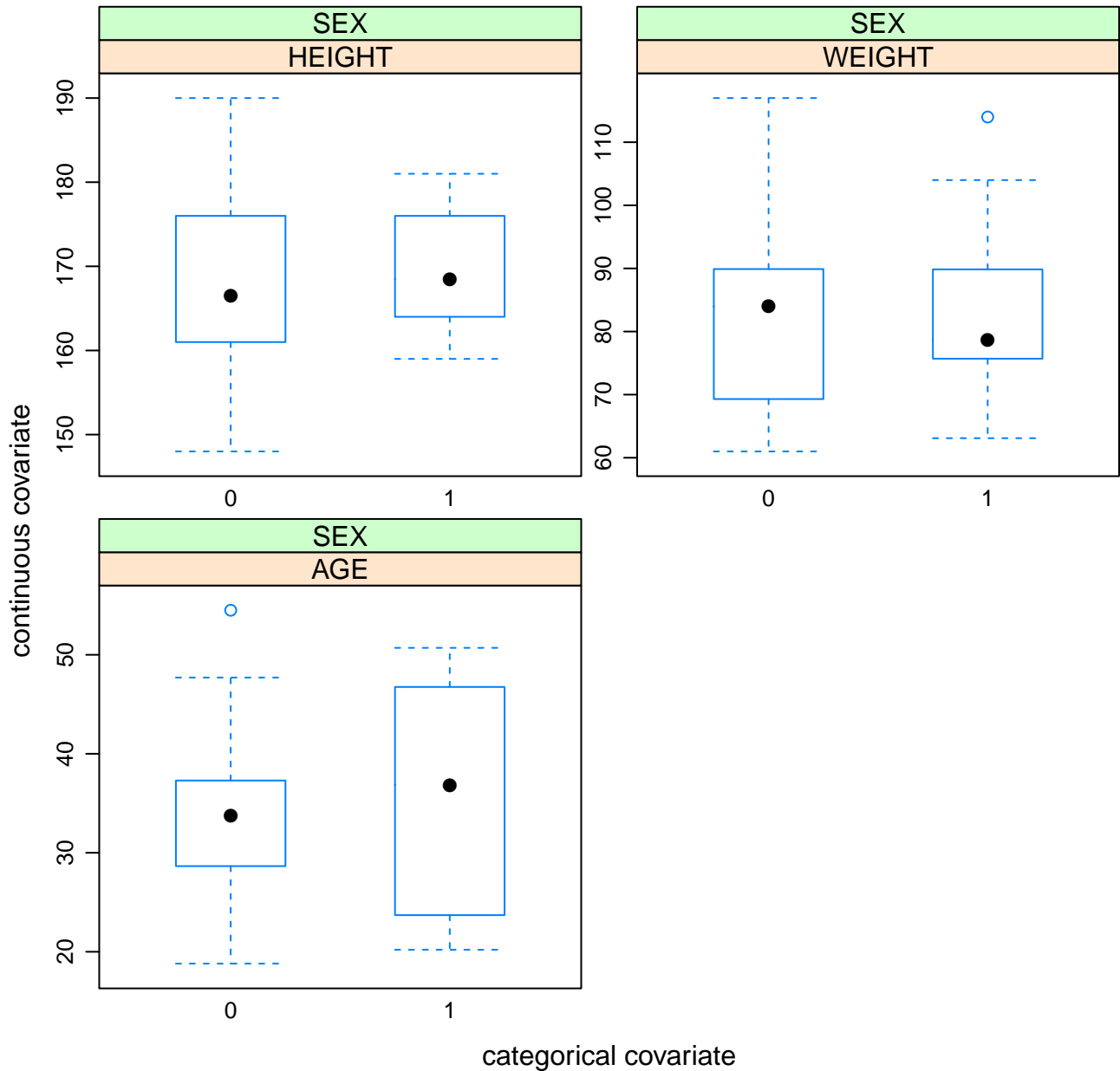
Model 1003 Boxplots of Residuals for male data



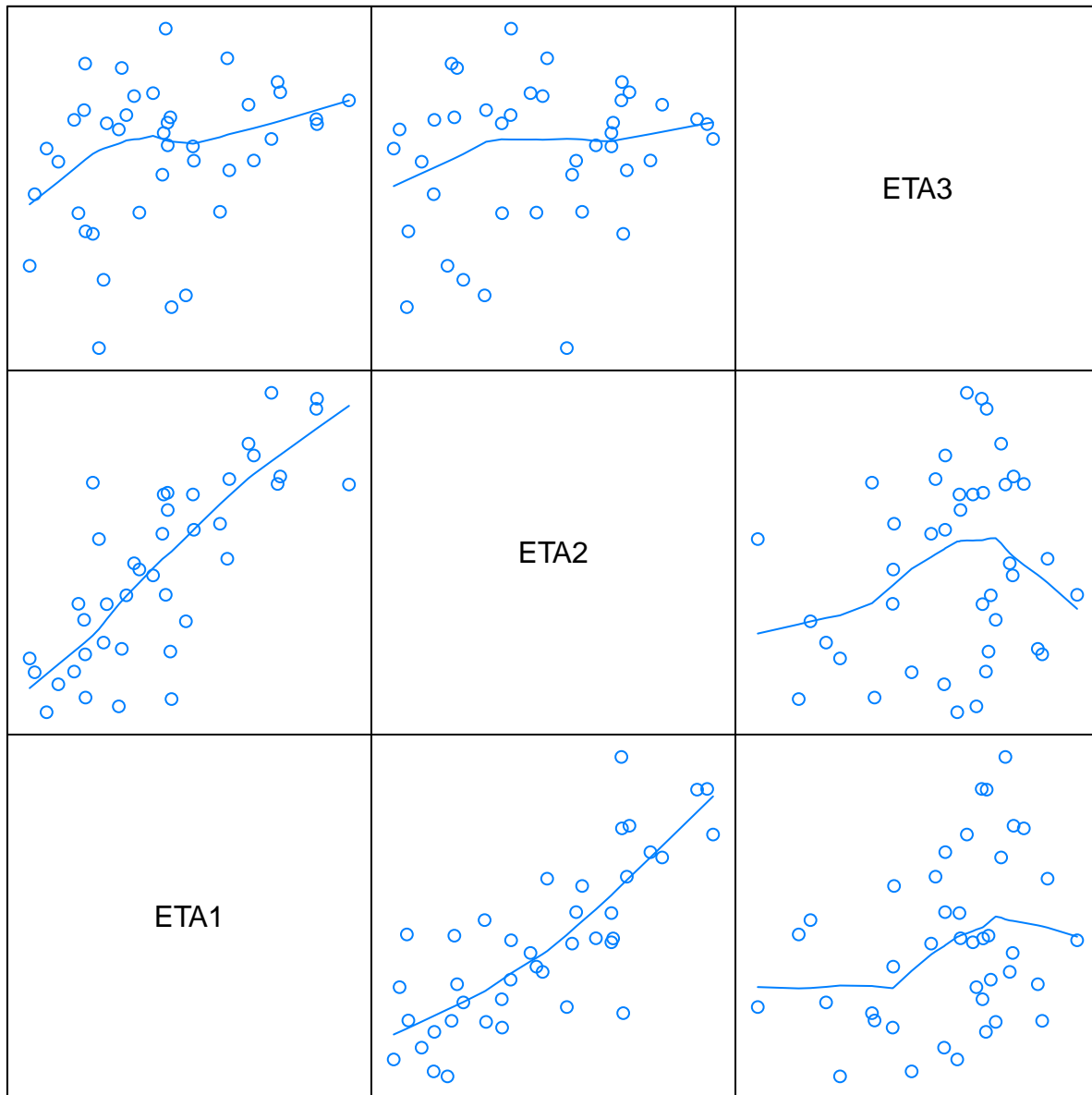
Covariate Scatterplots



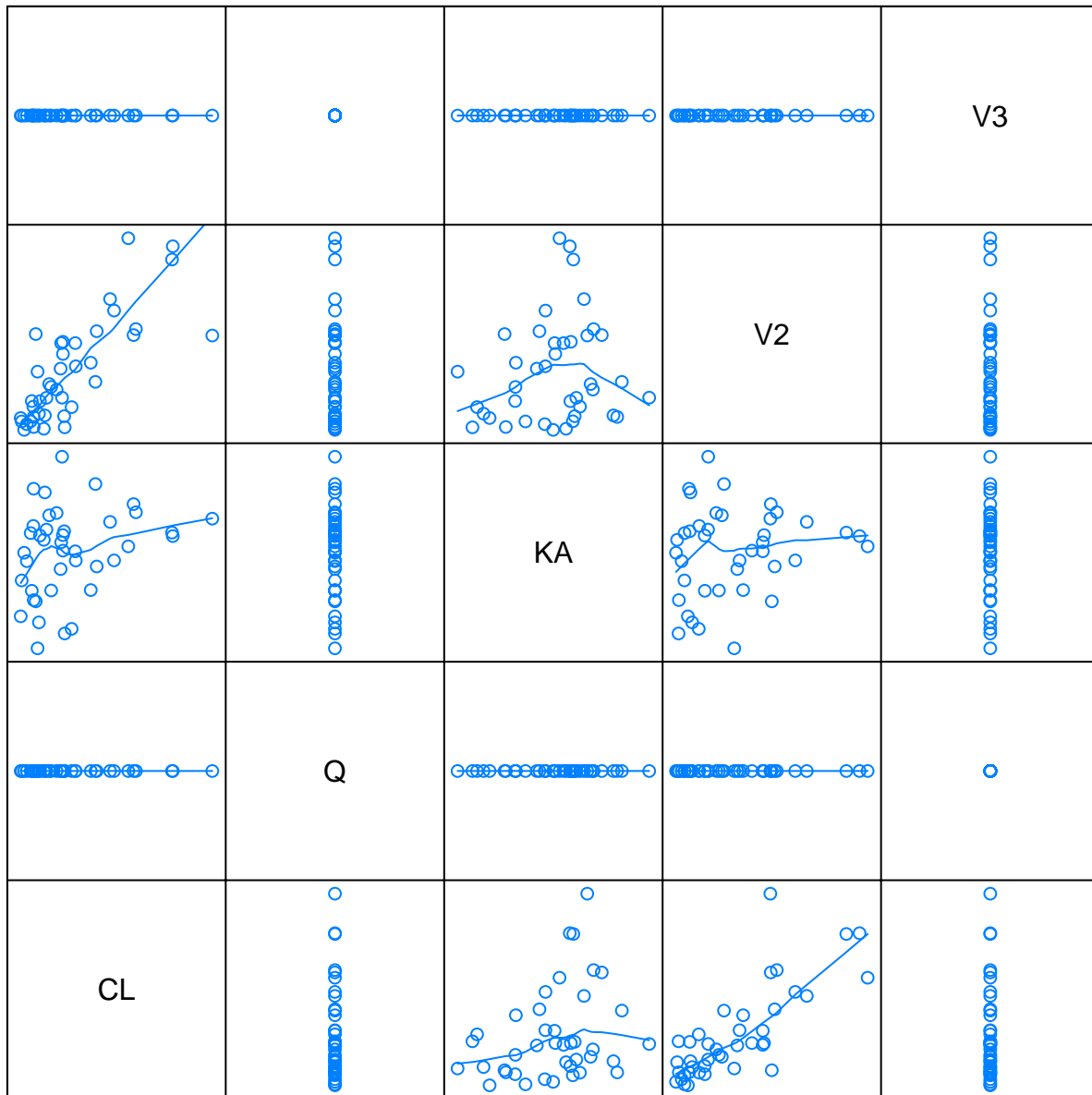
Continuous Covariates vs. Categorical Covariates



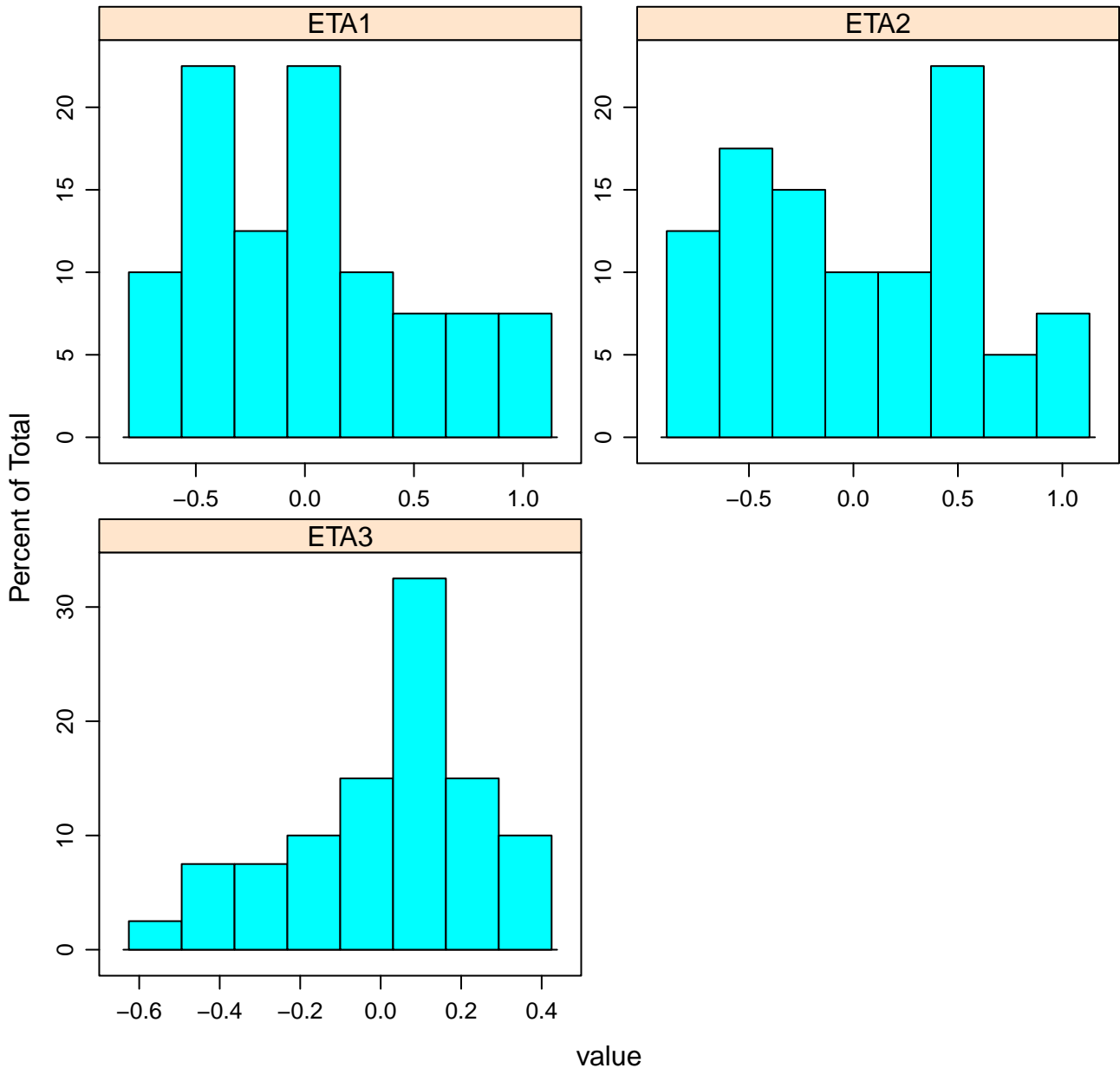
ETA Scatterplots



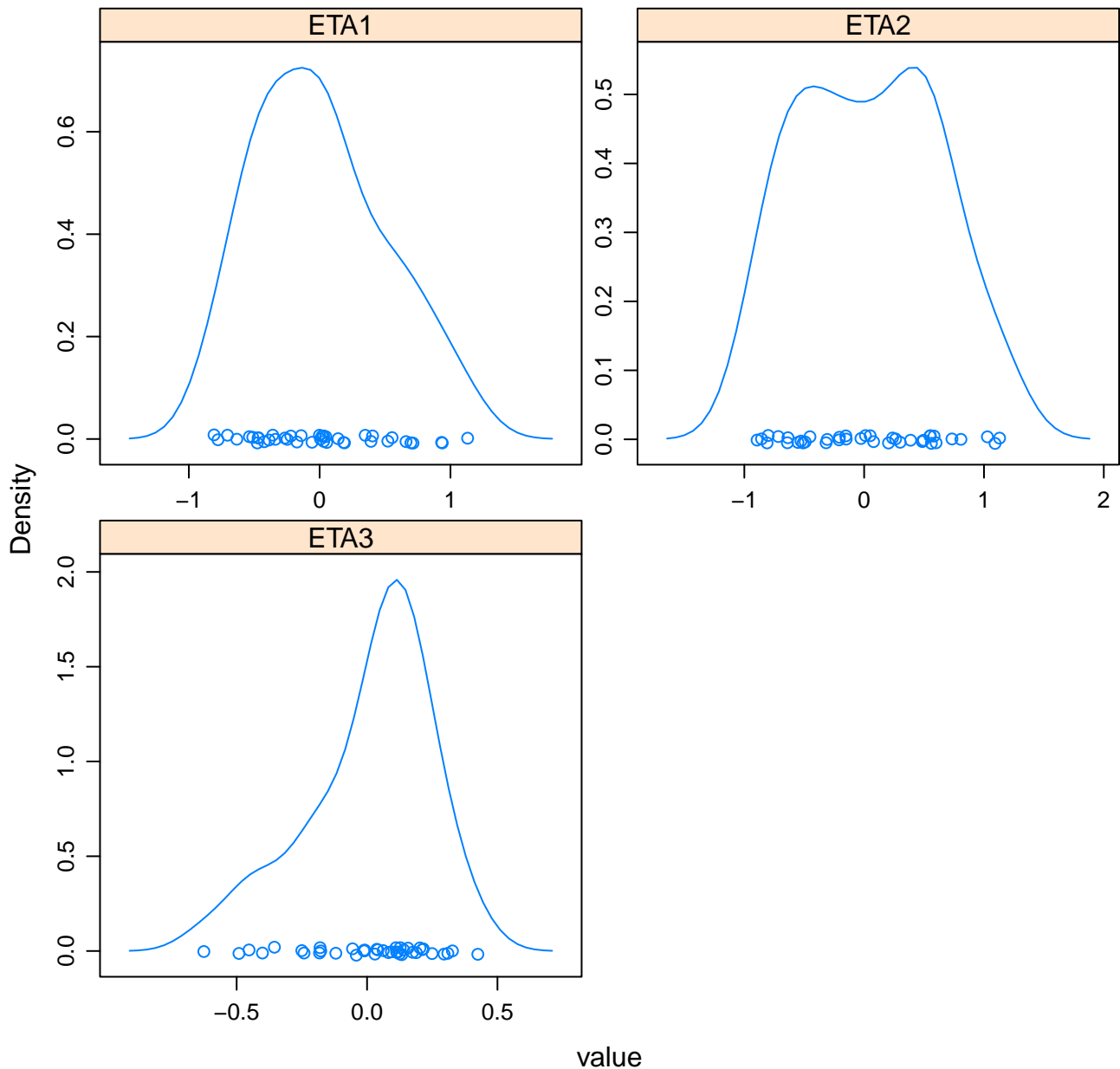
Parameter Scatterplots



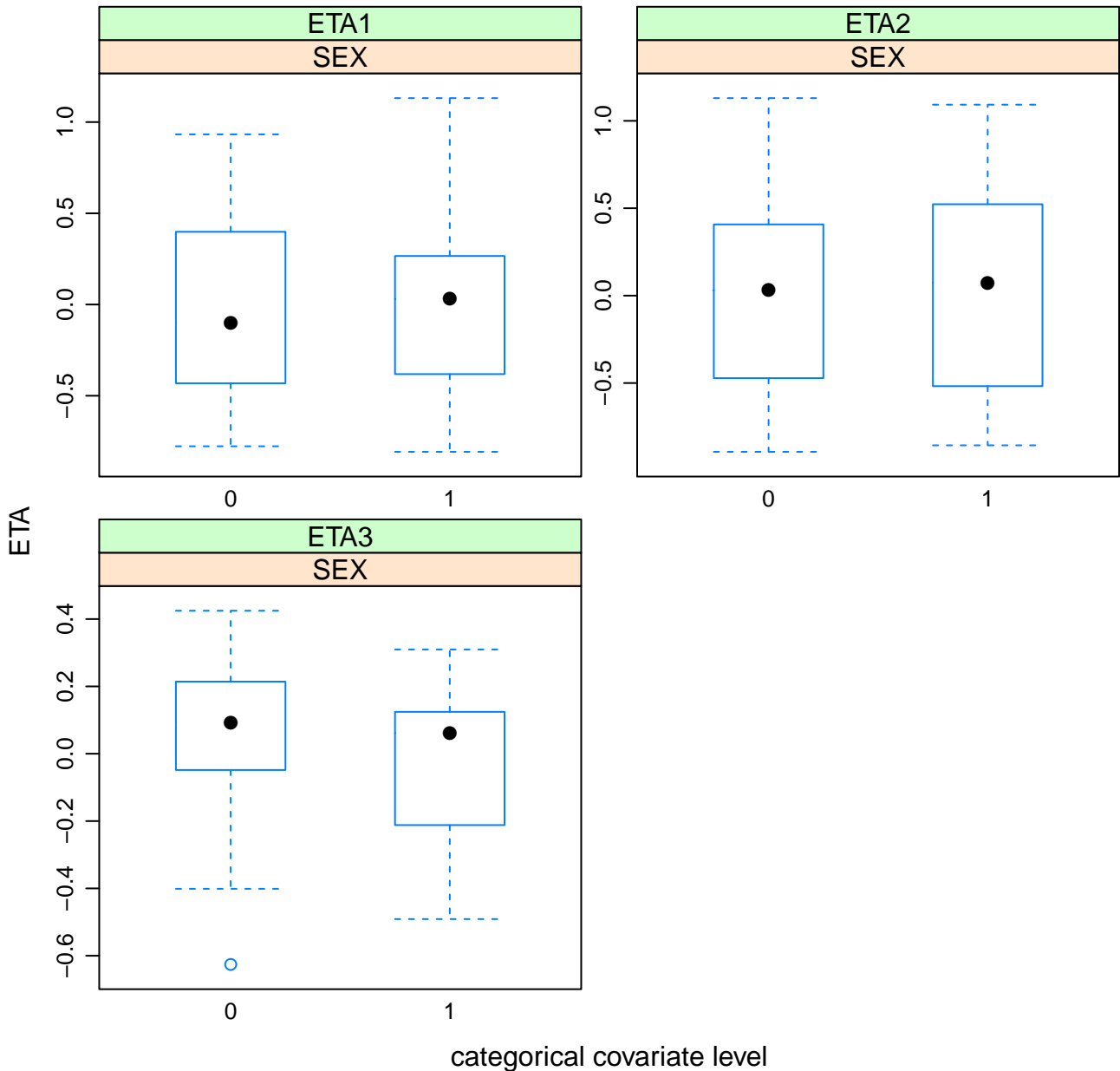
Histograms of Etas



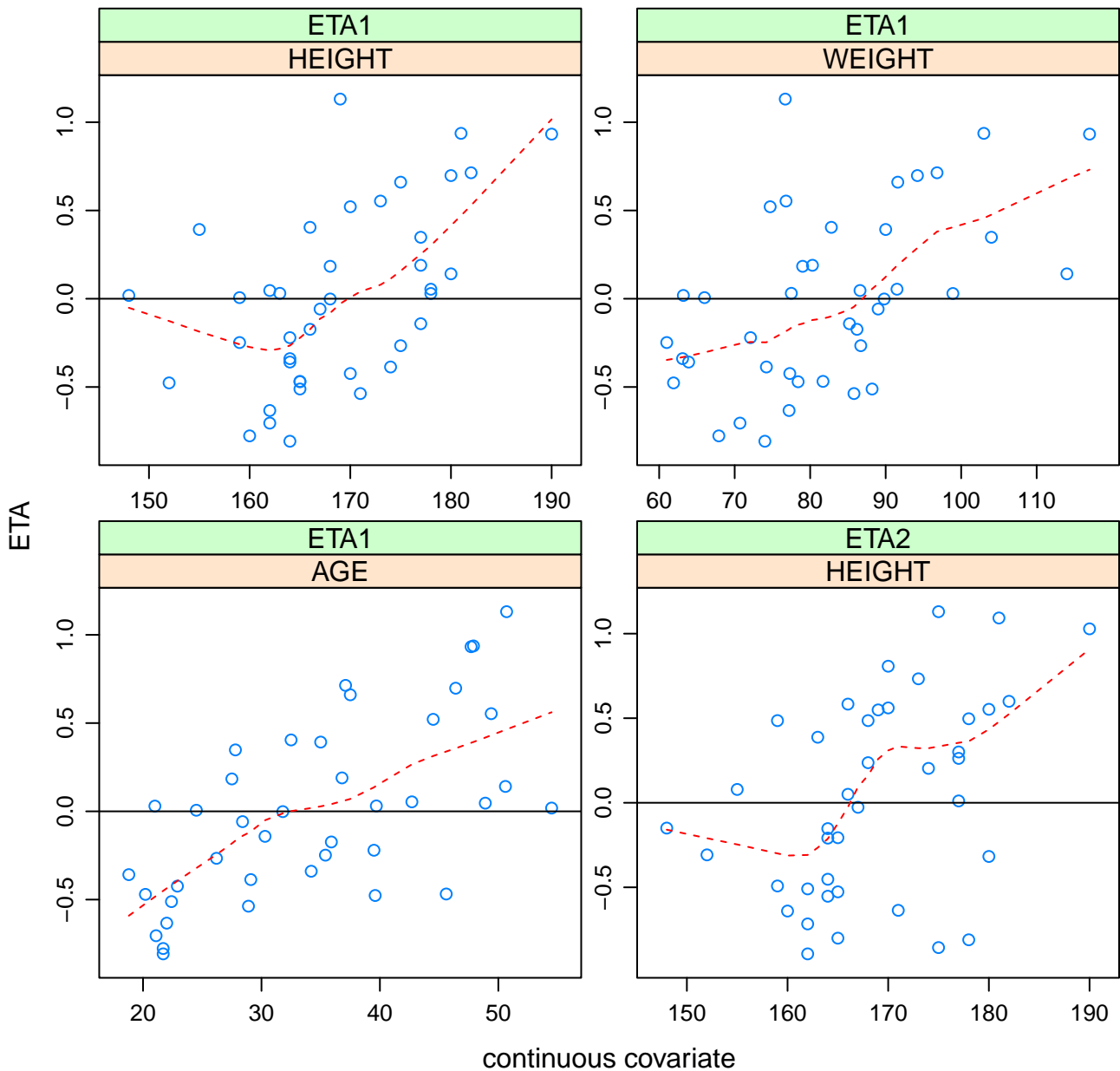
Density of Etas



Boxplots of Etas by Categorical Covariate

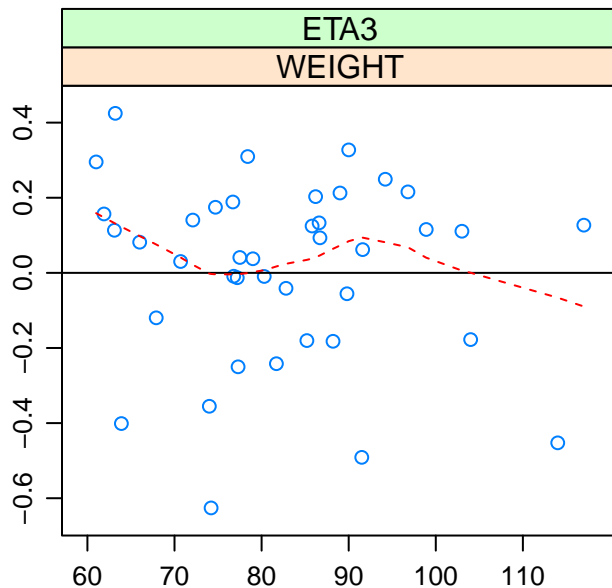
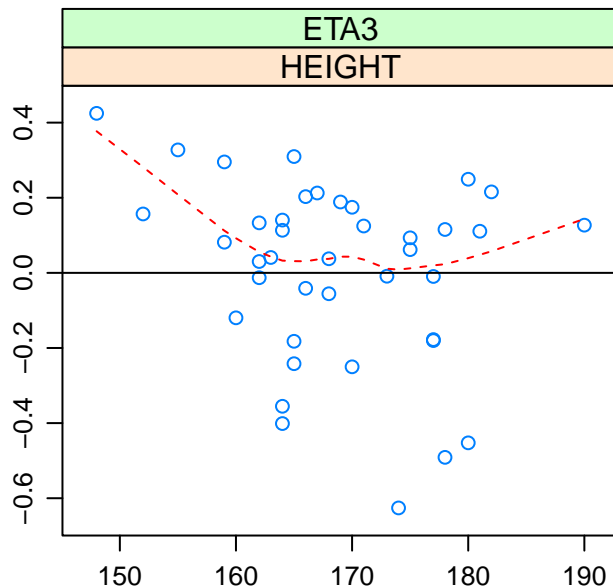
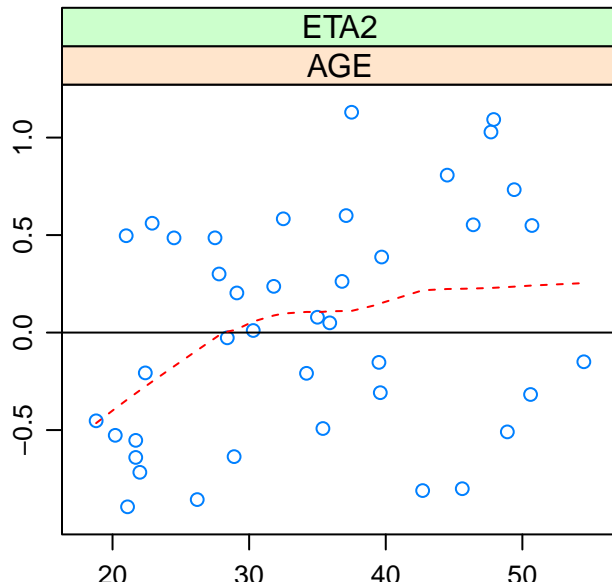
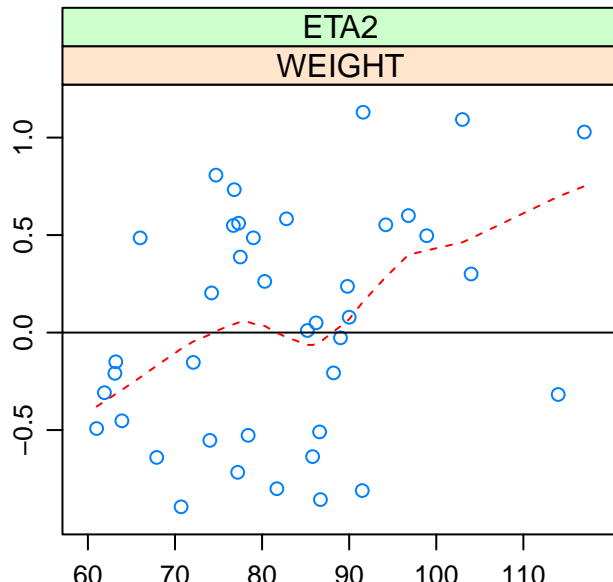


Etas vs. Continuous Covariates



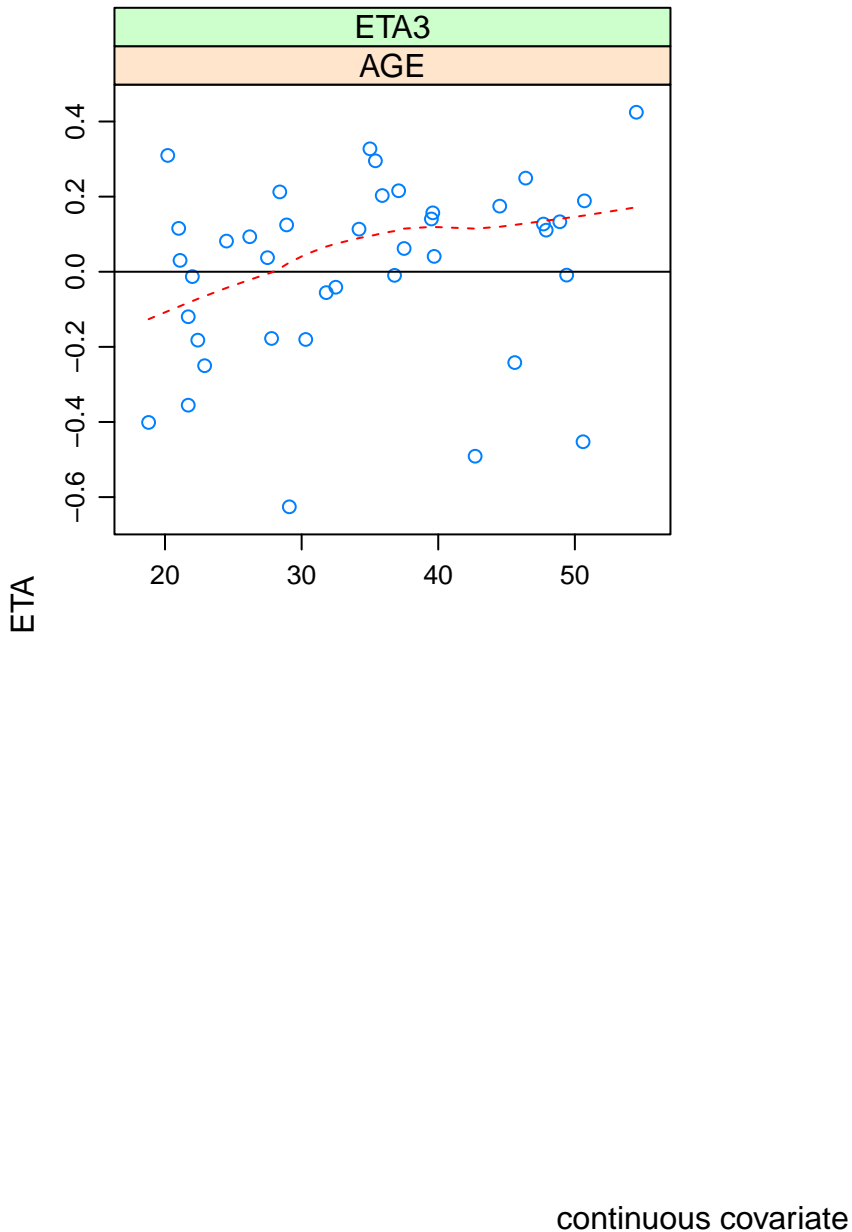
Etas vs. Continuous Covariates

ETA

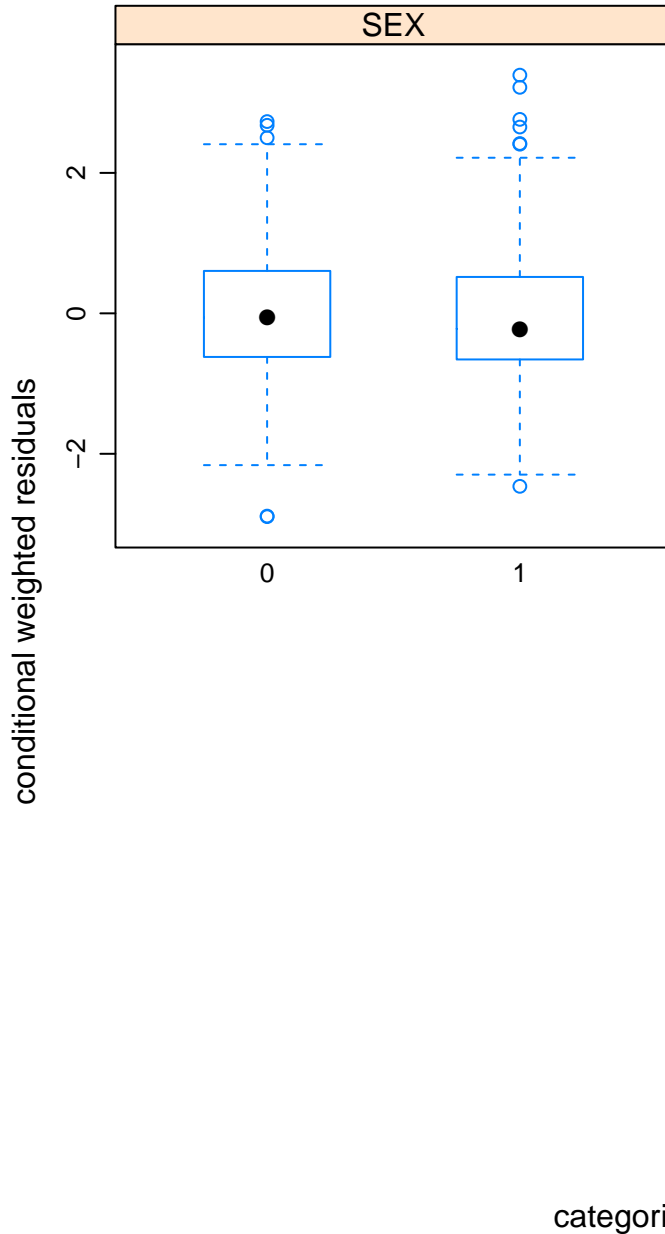


continuous covariate

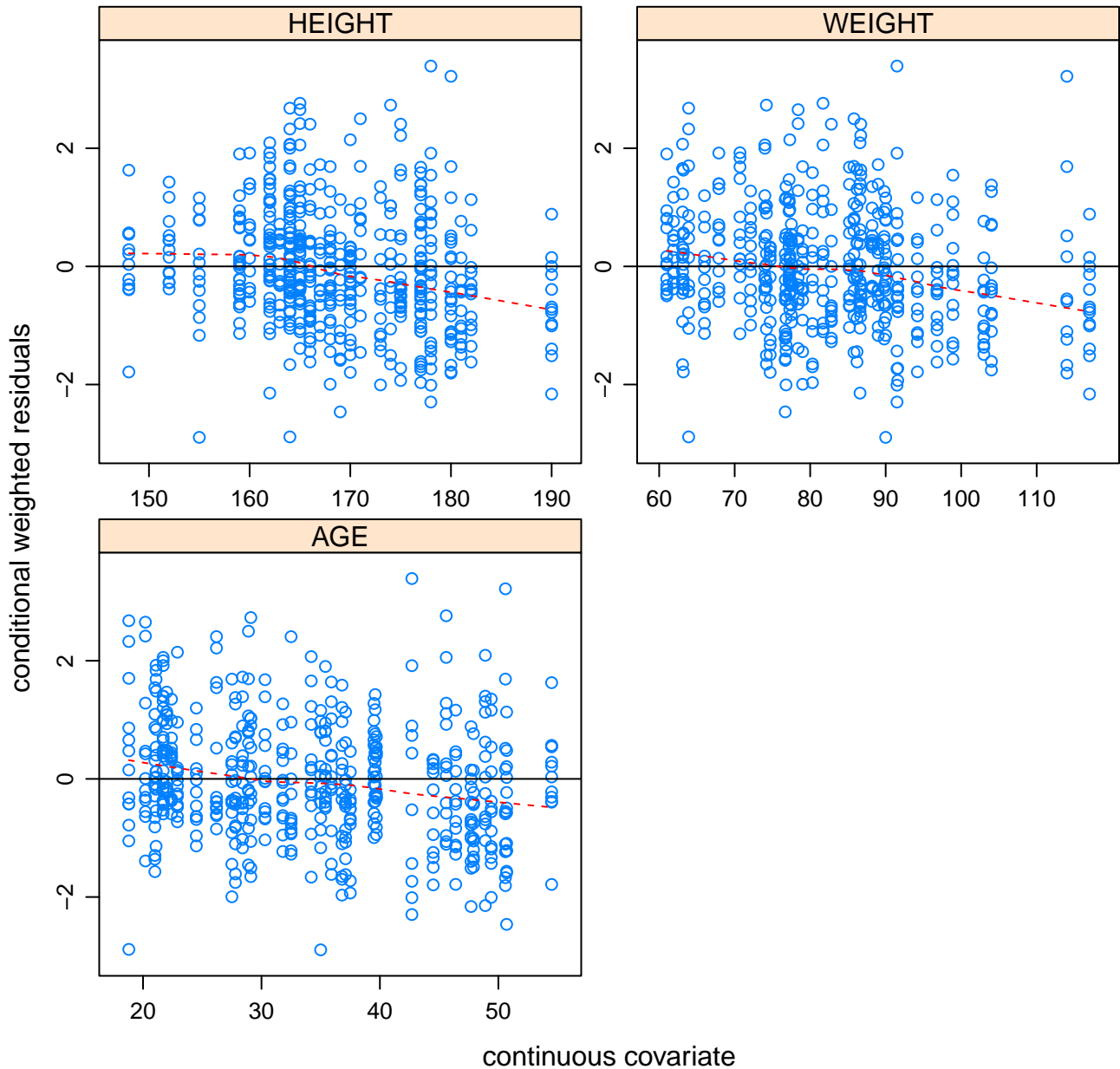
Etas vs. Continuous Covariates



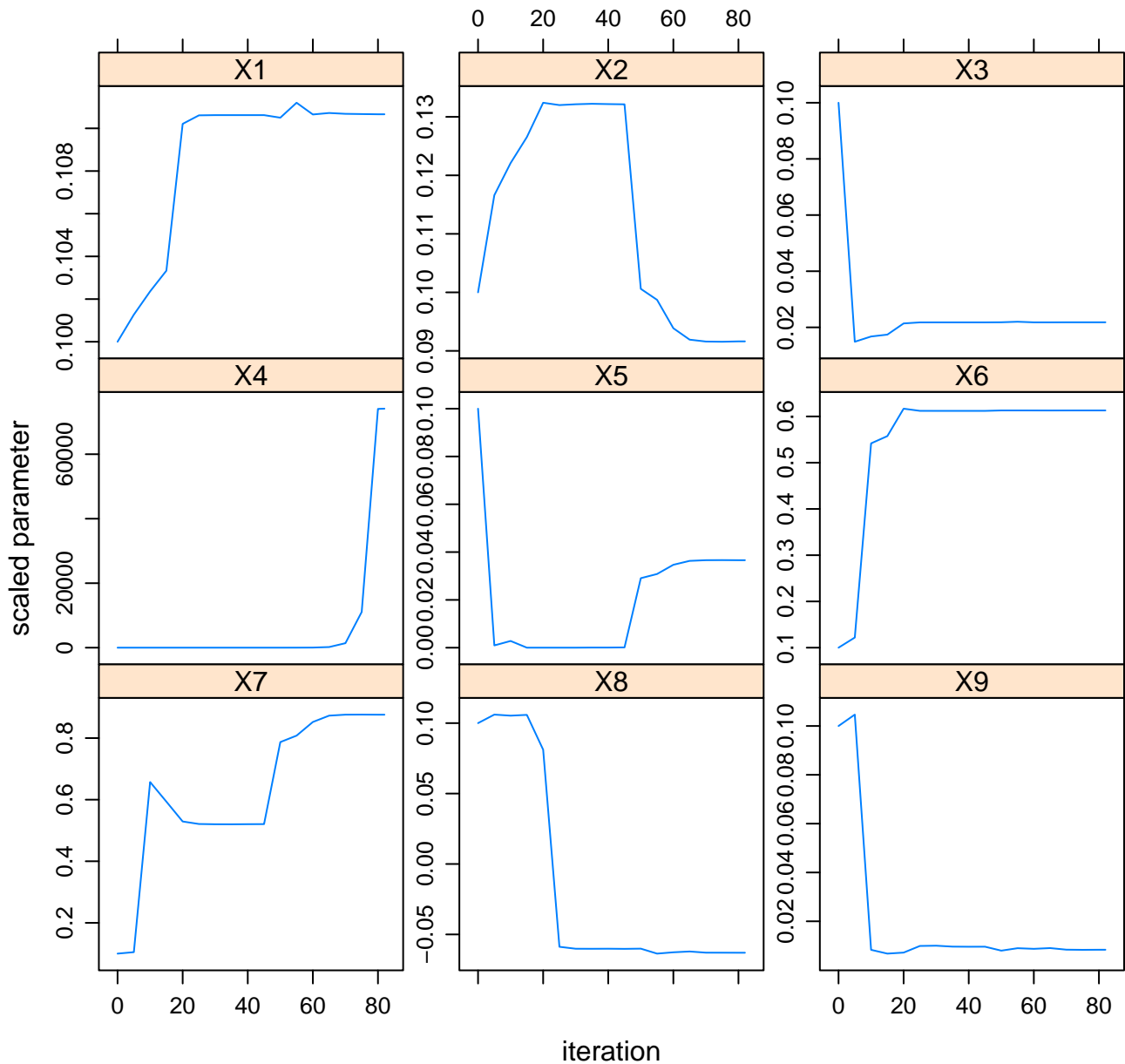
CWRES vs. Categorical Covariates



CWRES vs. Continuous Covariates



Model 1003 parameter search



Model 1003 gradient search

