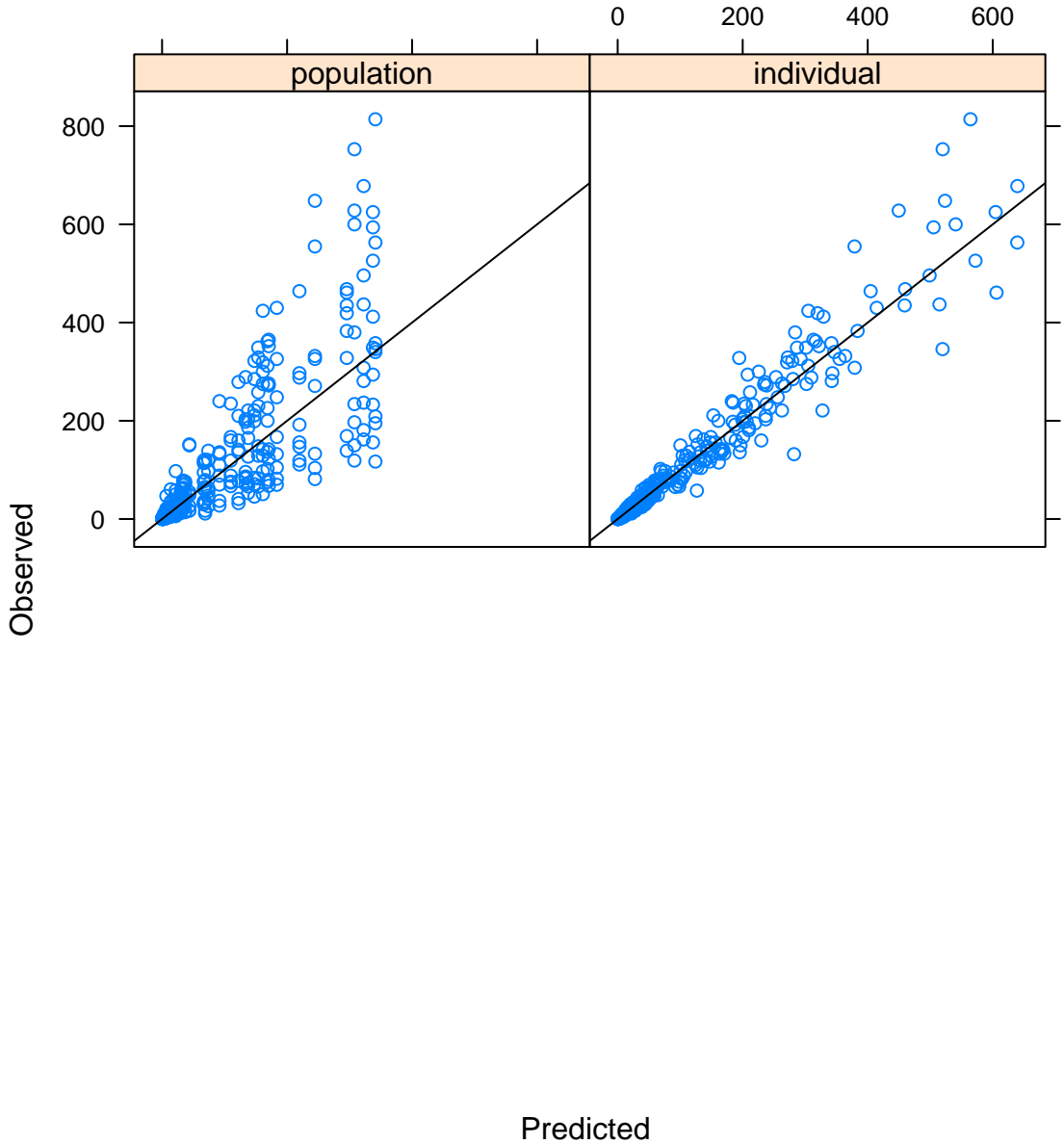


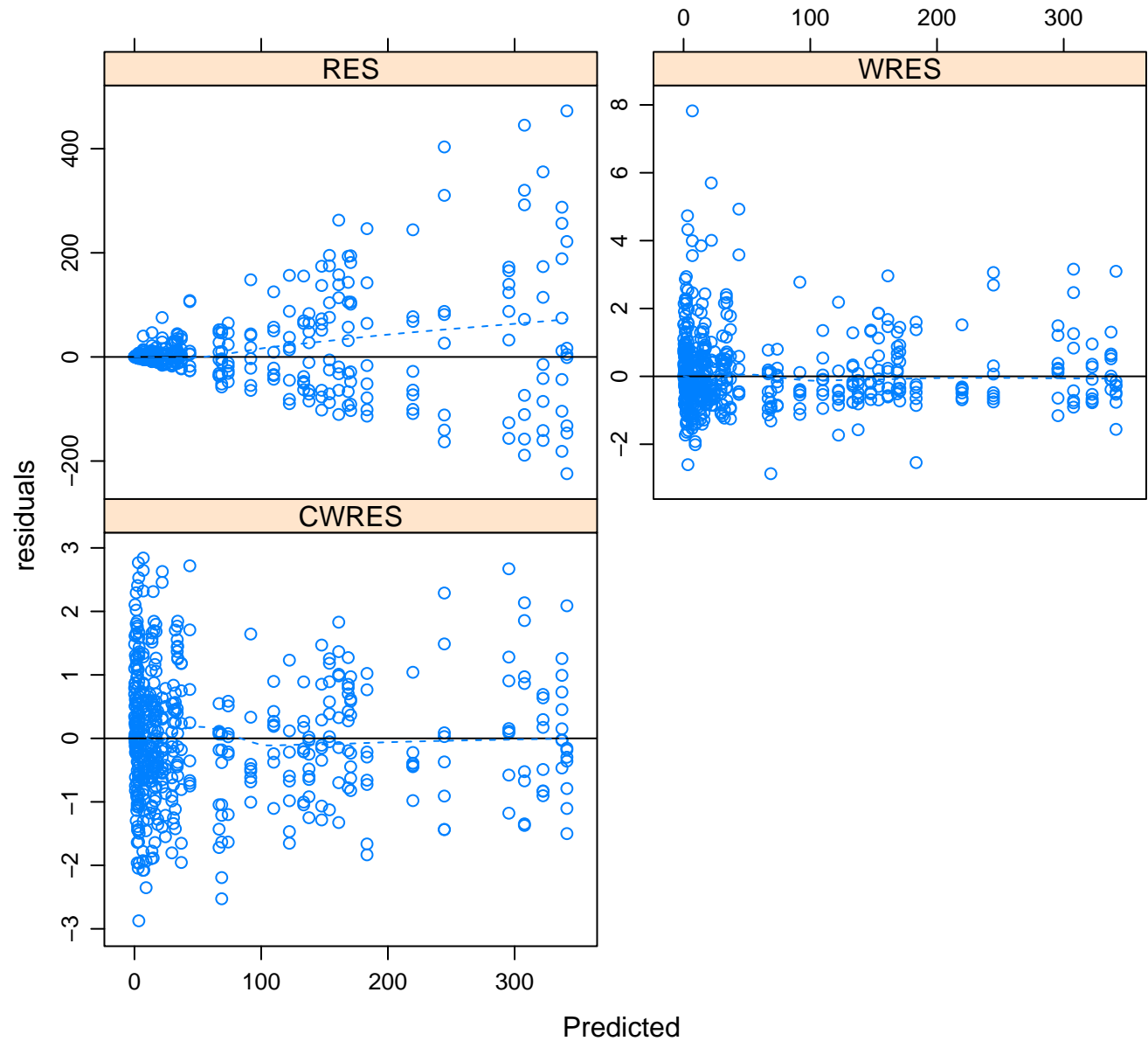
Model 1001

Observed vs. Predicted for all data



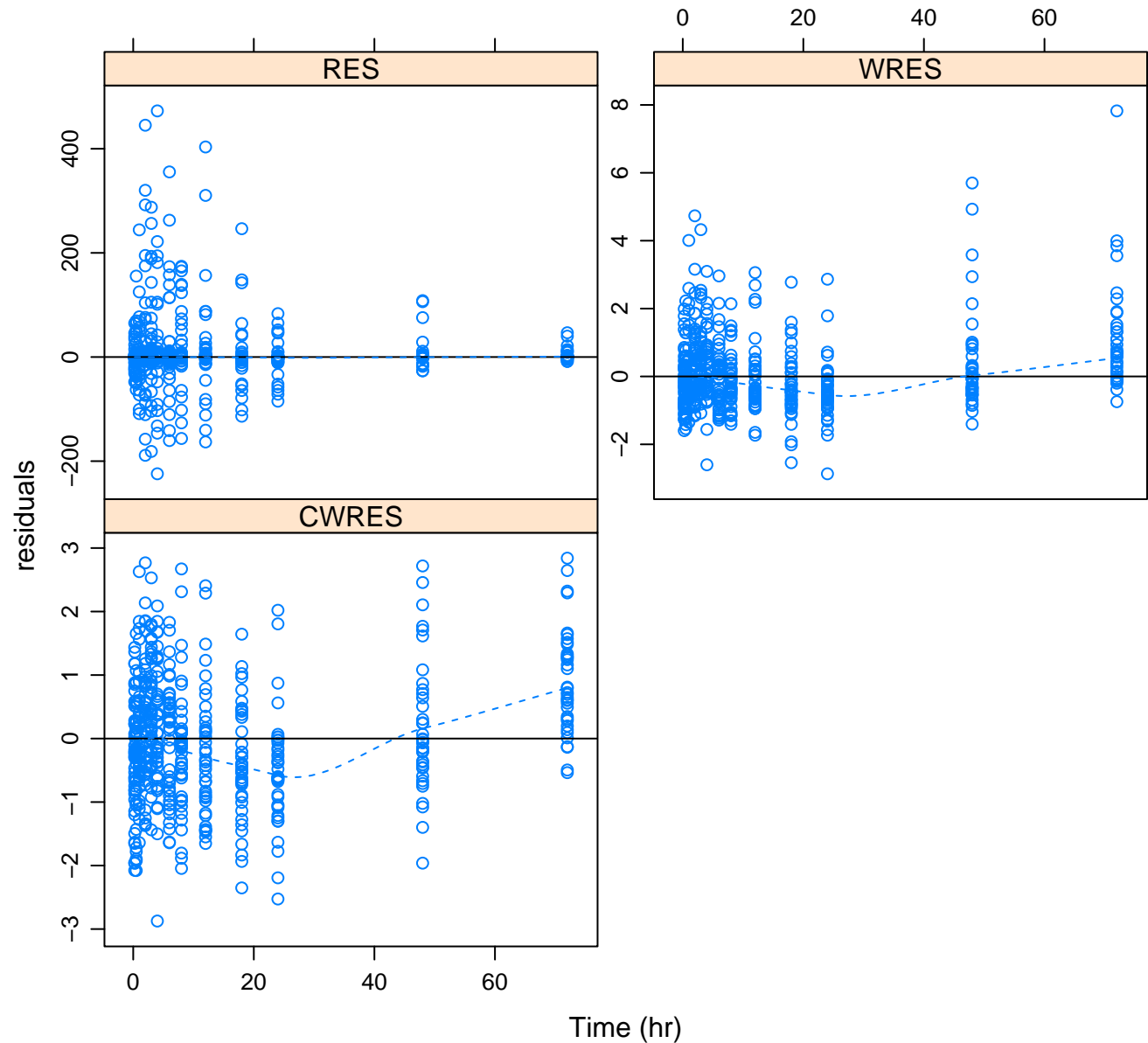
Model 1001

Residuals vs. Predicted for all data



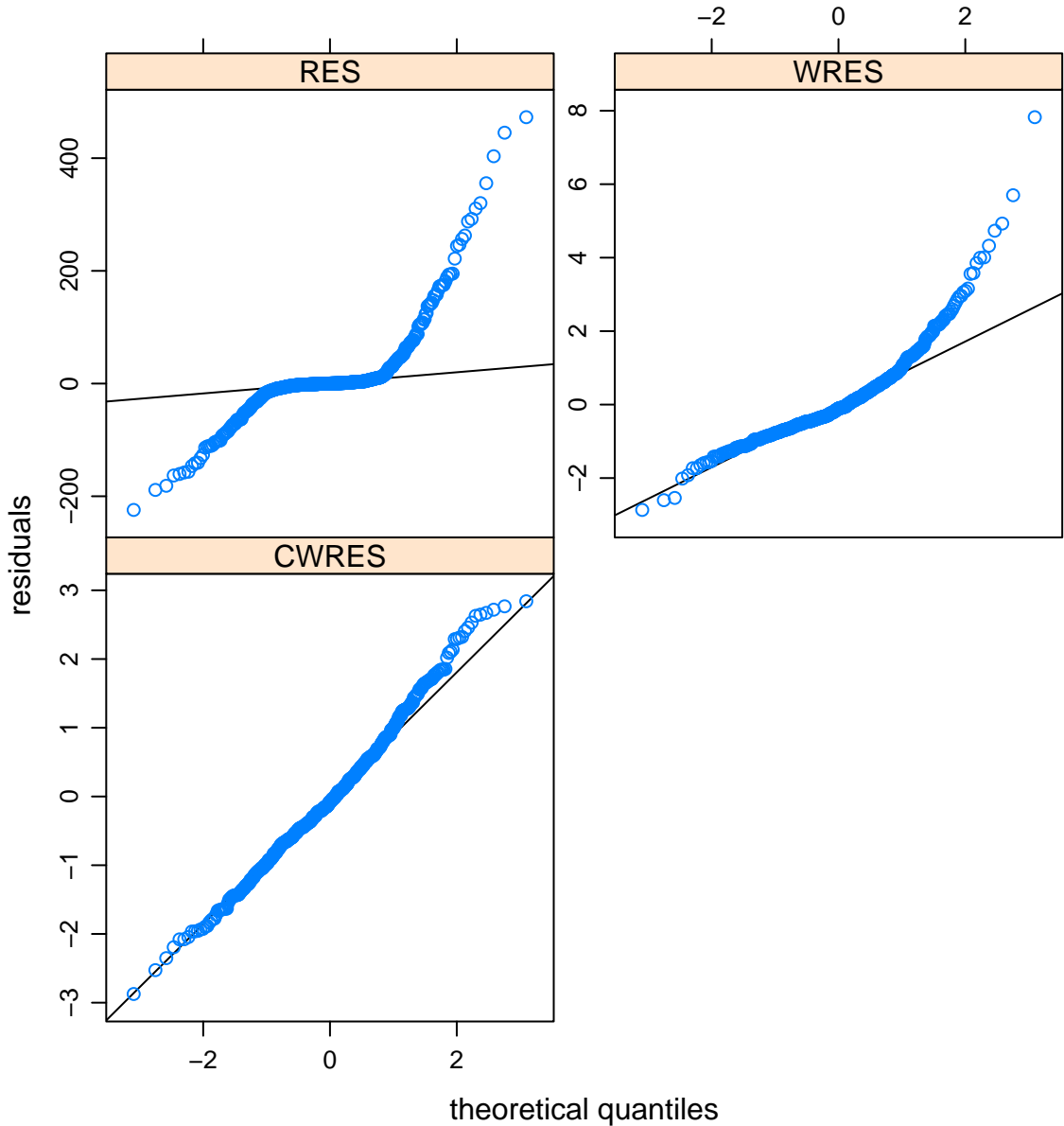
Model 1001

Residuals vs. Time for all data

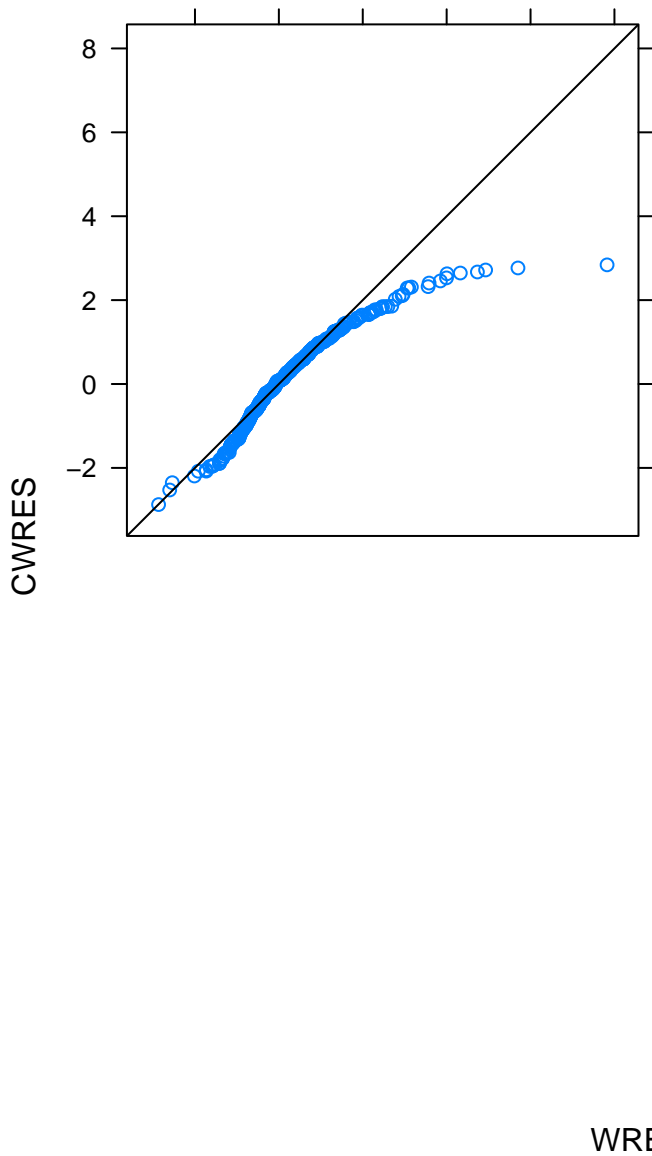


Model 1001

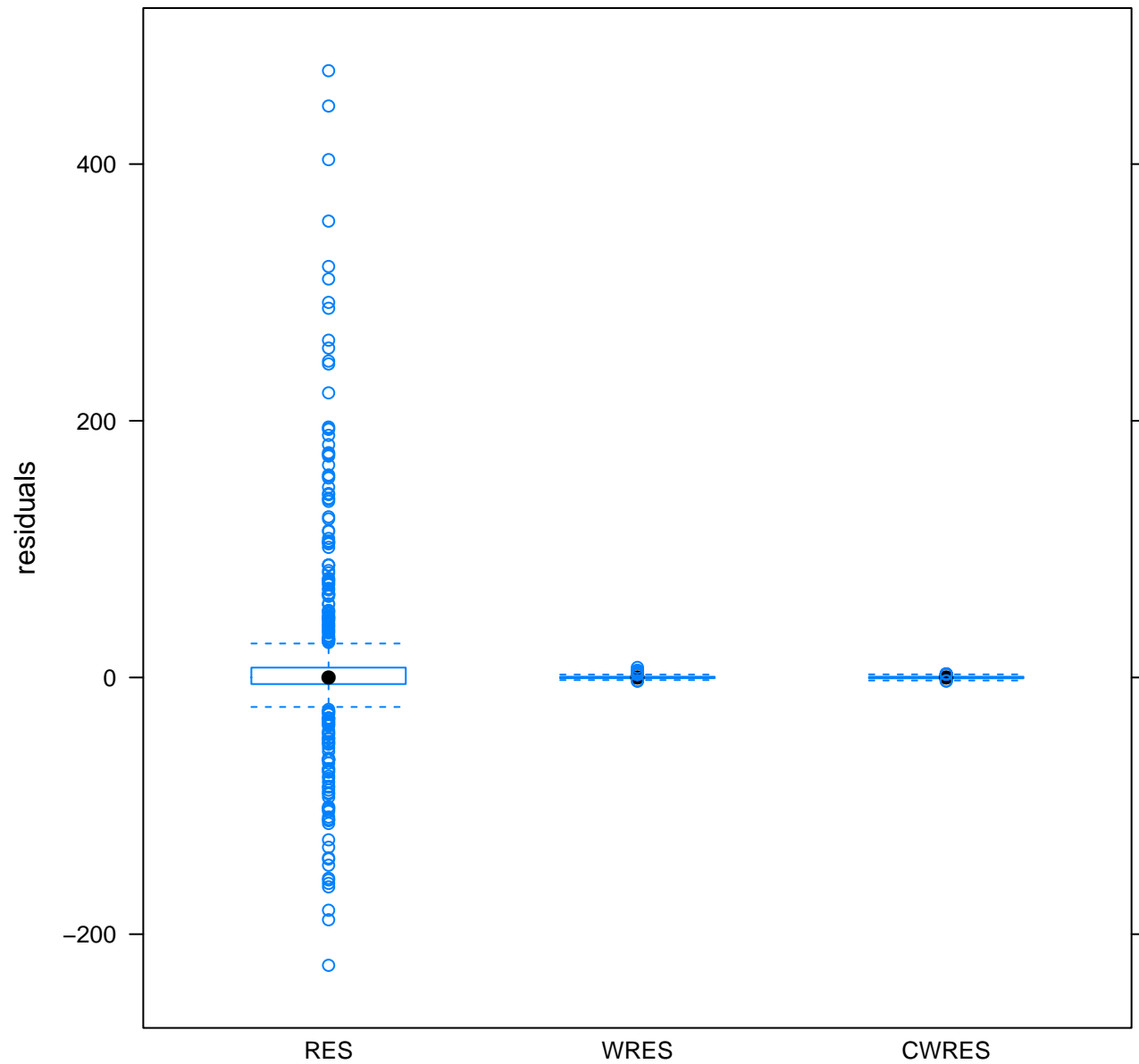
Normal Q-Q Plot Residuals for all data



Model 1001
Q-Q Plot of CWRES vs. WRES for all data

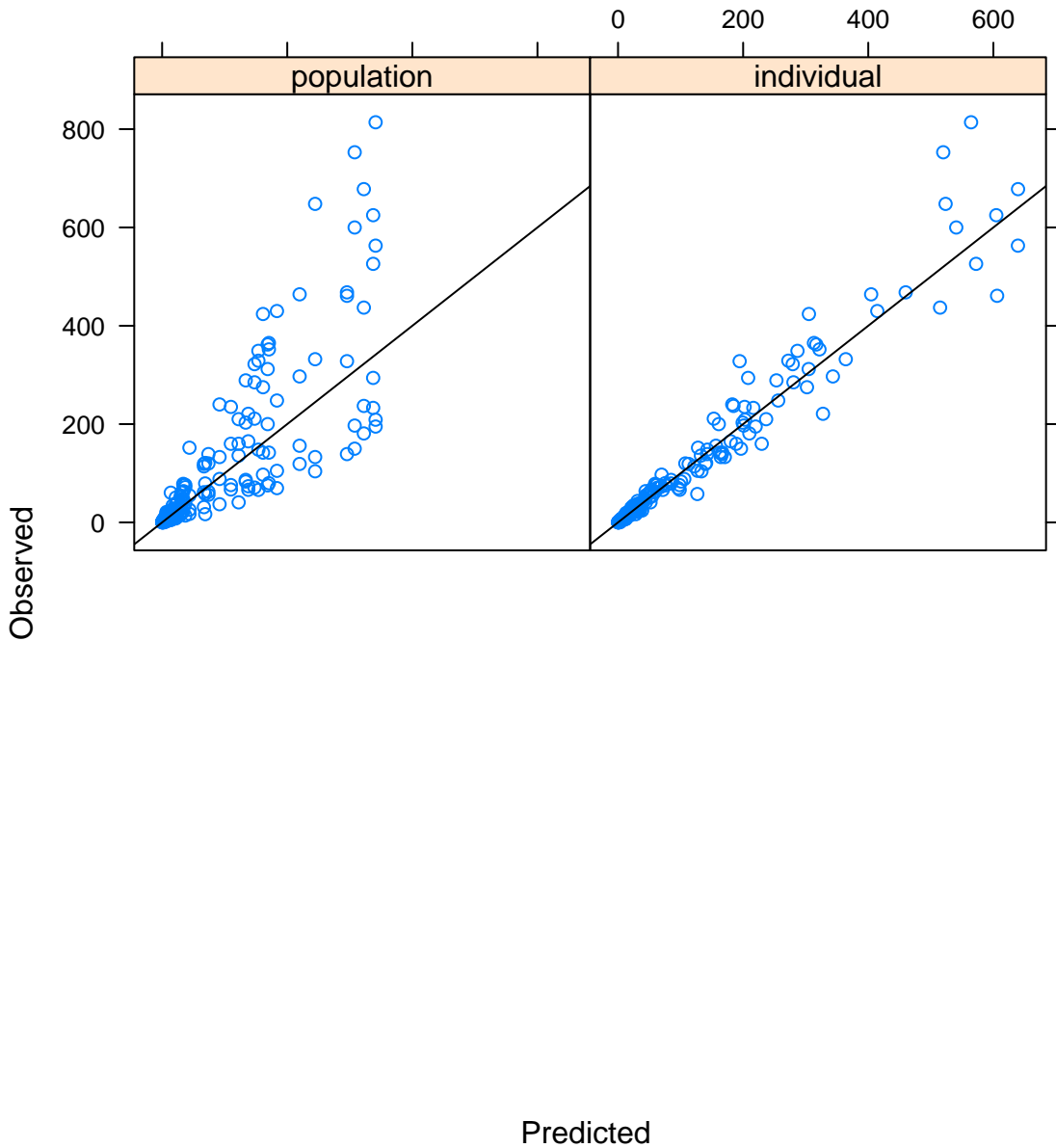


Model 1001 Boxplots of Residuals for all data



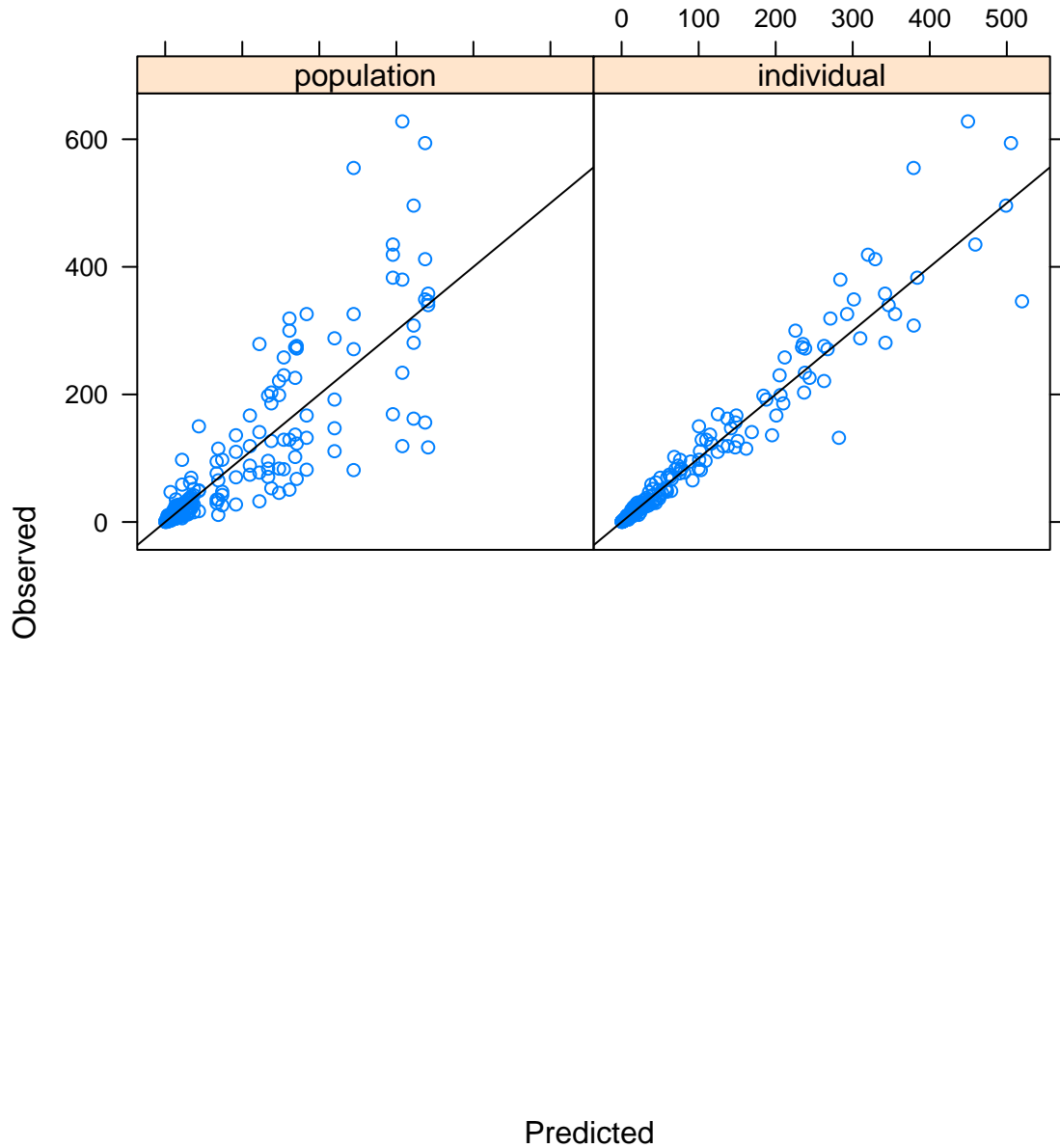
Model 1001

Observed vs. Predicted for female data



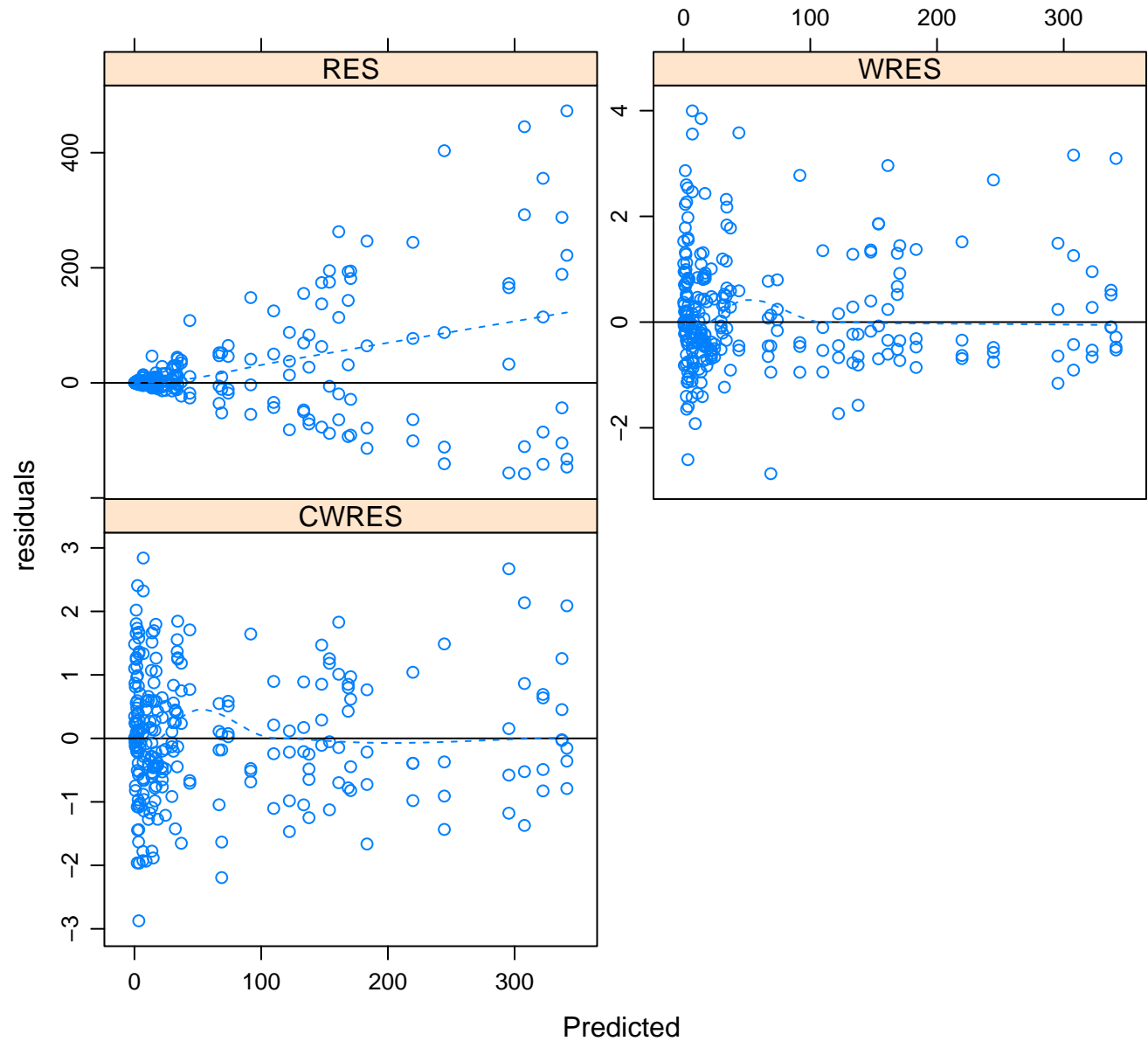
Model 1001

Observed vs. Predicted for male data



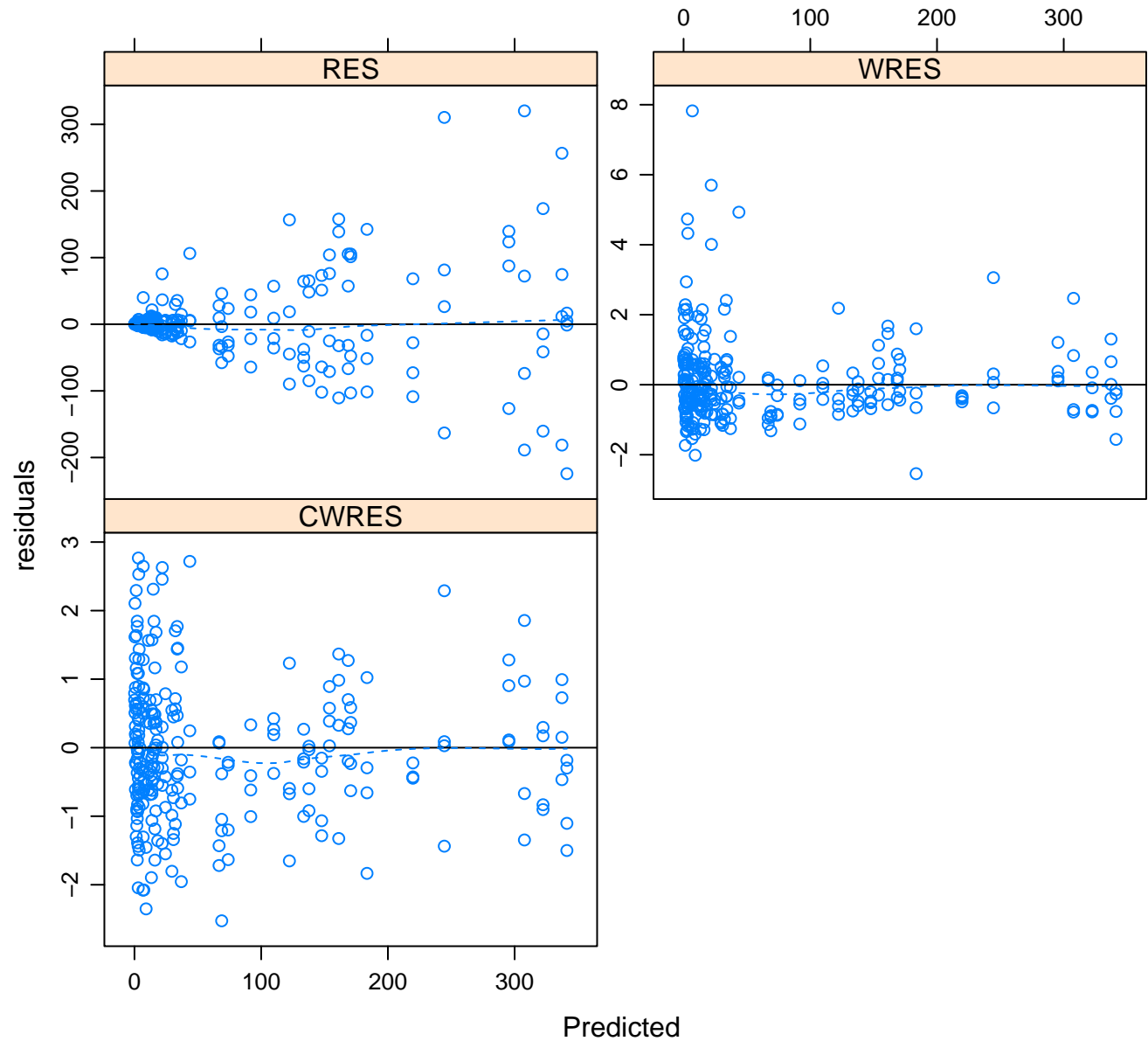
Model 1001

Residuals vs. Predicted for female data



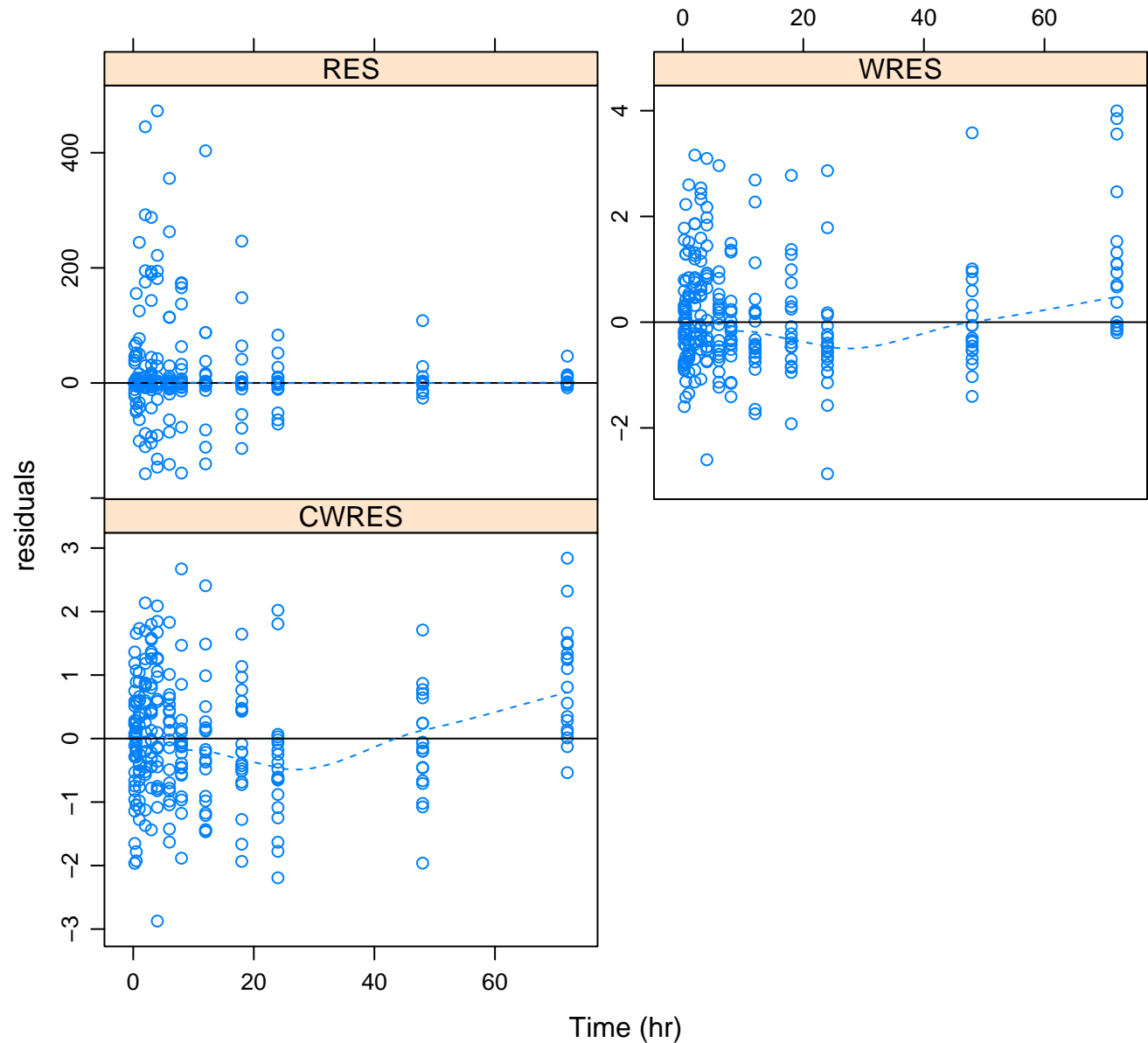
Model 1001

Residuals vs. Predicted for male data



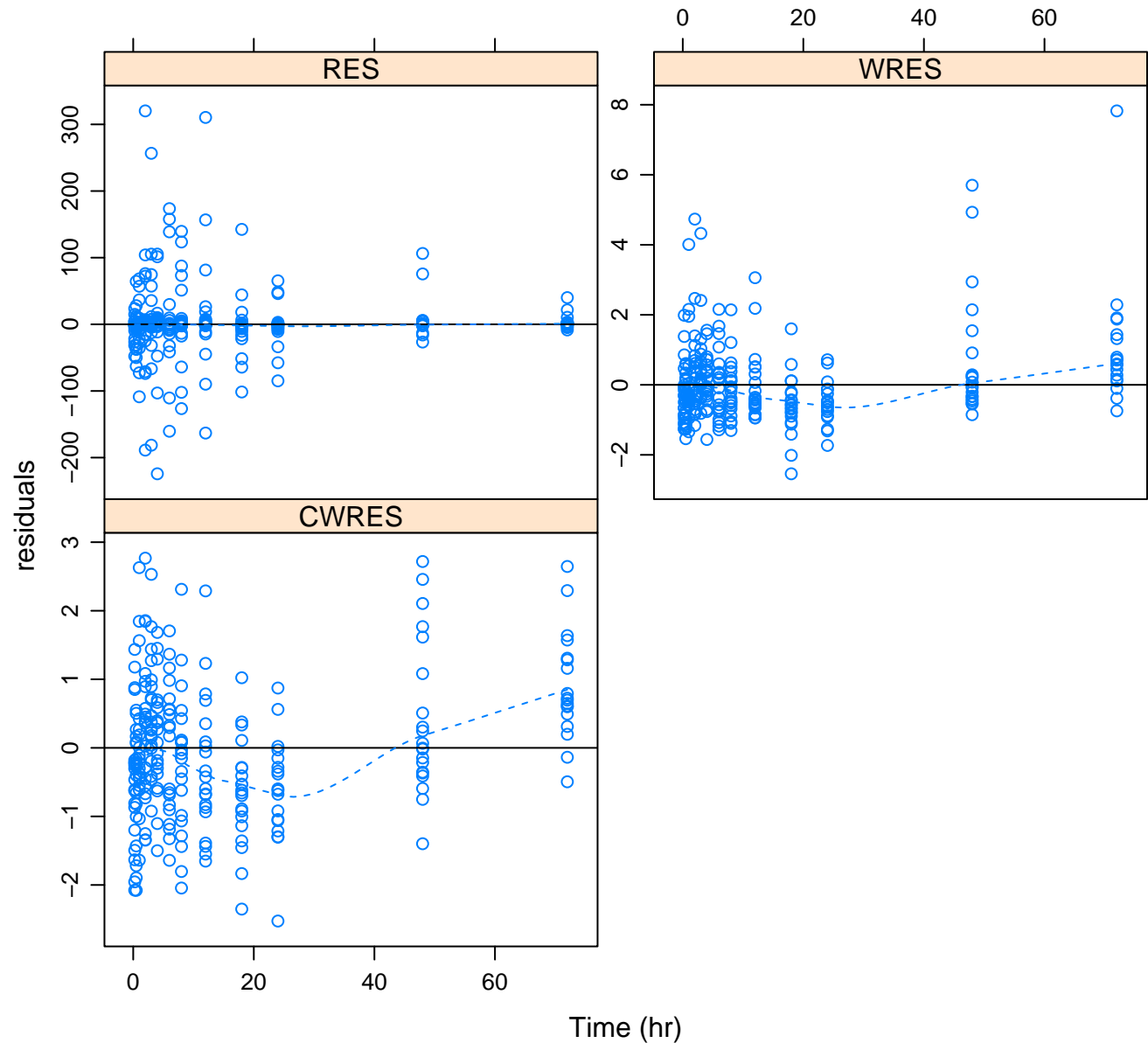
Model 1001

Residuals vs. Time for female data



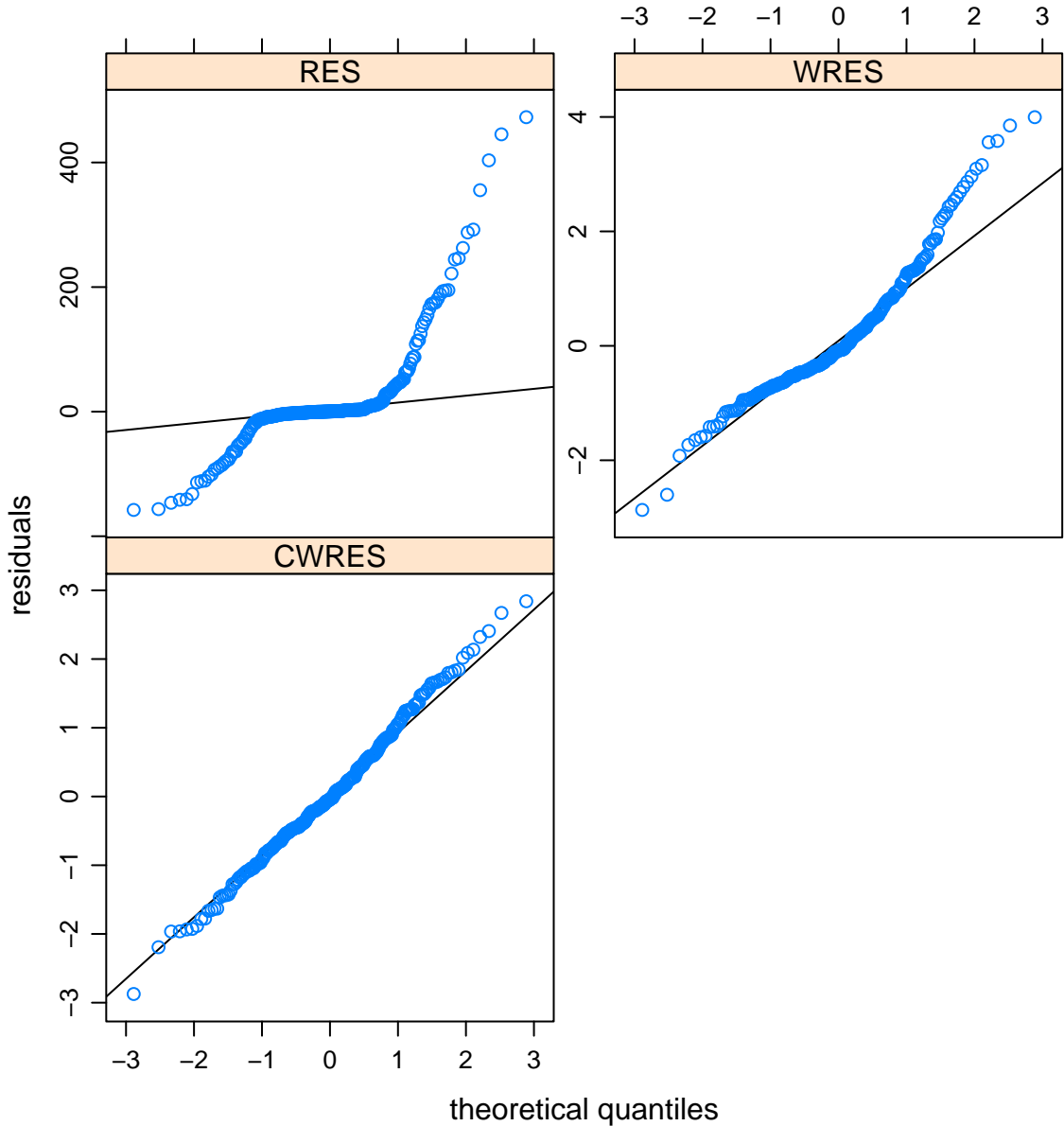
Model 1001

Residuals vs. Time for male data



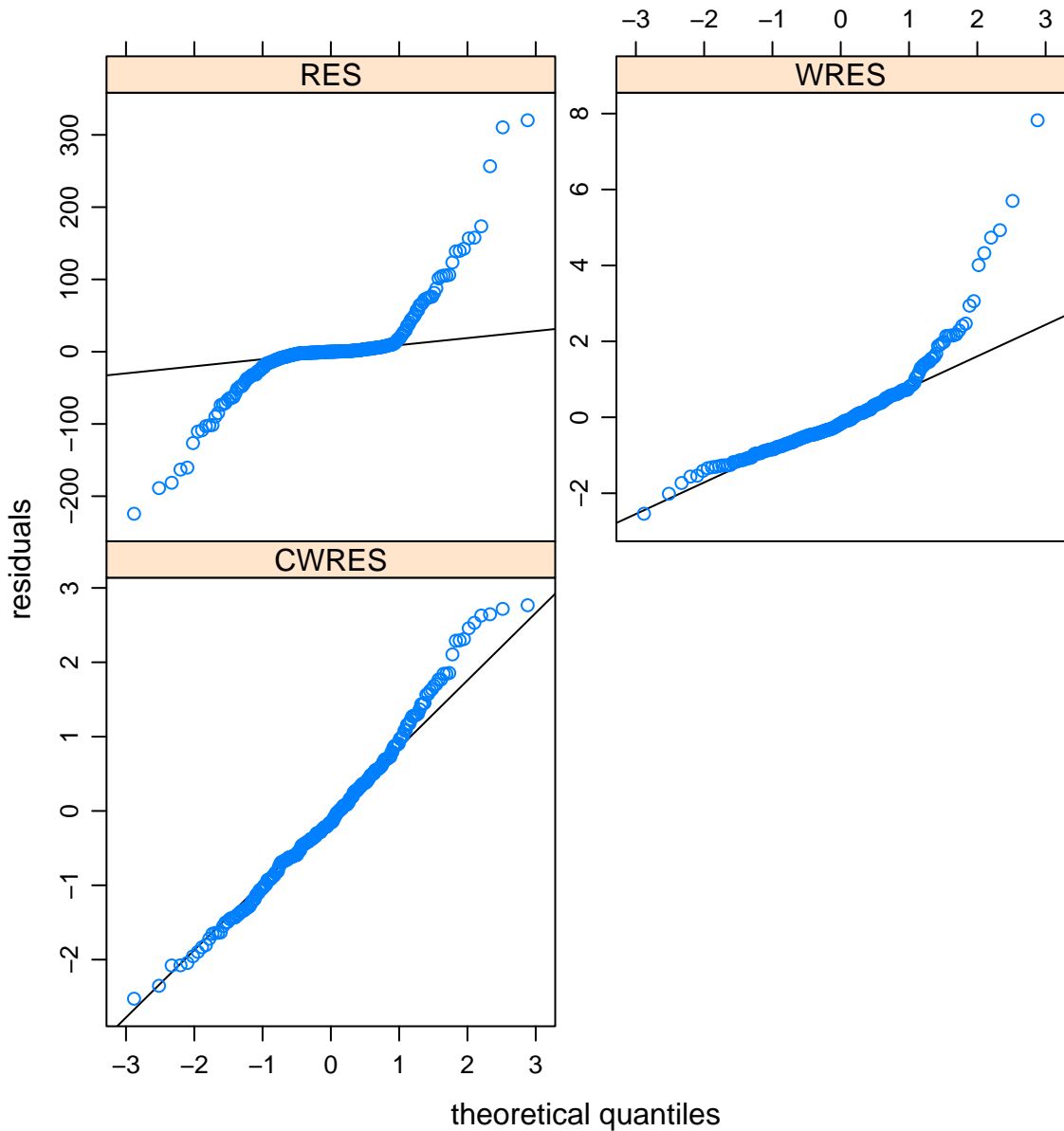
Model 1001

Normal Q-Q Plot Residuals for female data

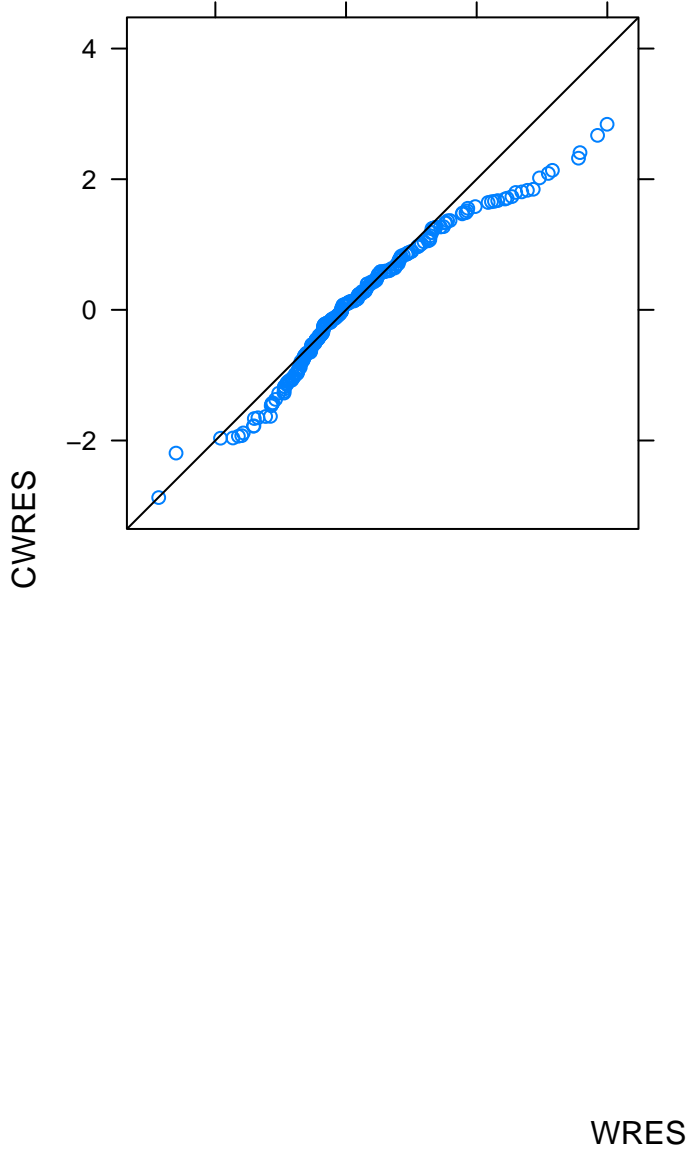


Model 1001

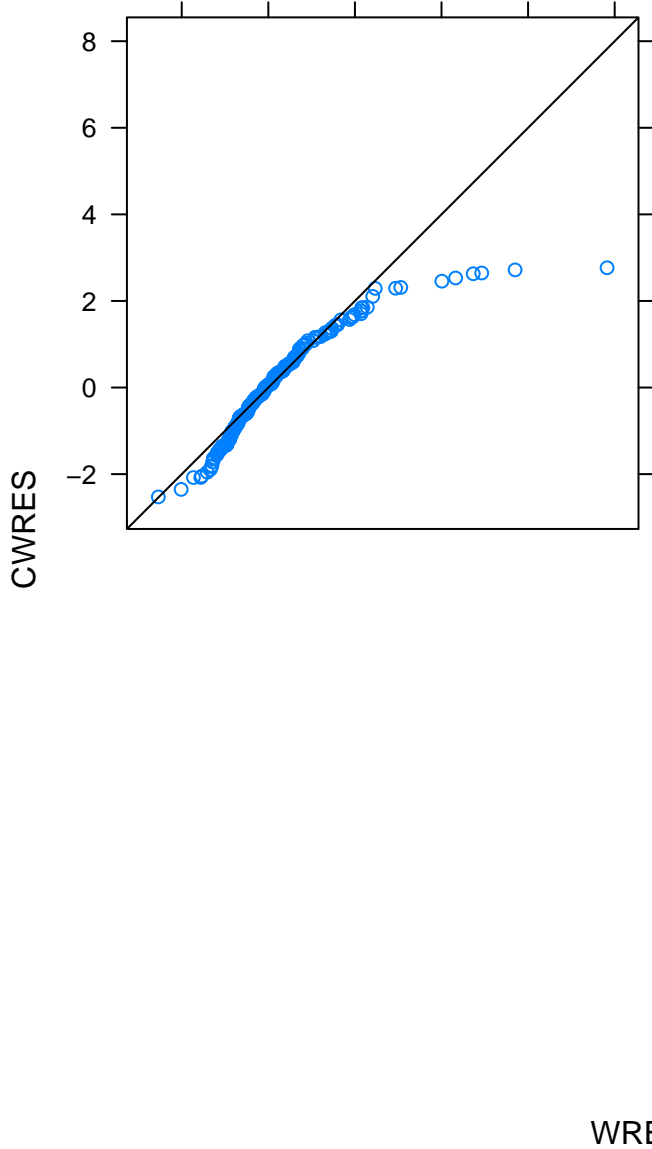
Normal Q-Q Plot Residuals for male data



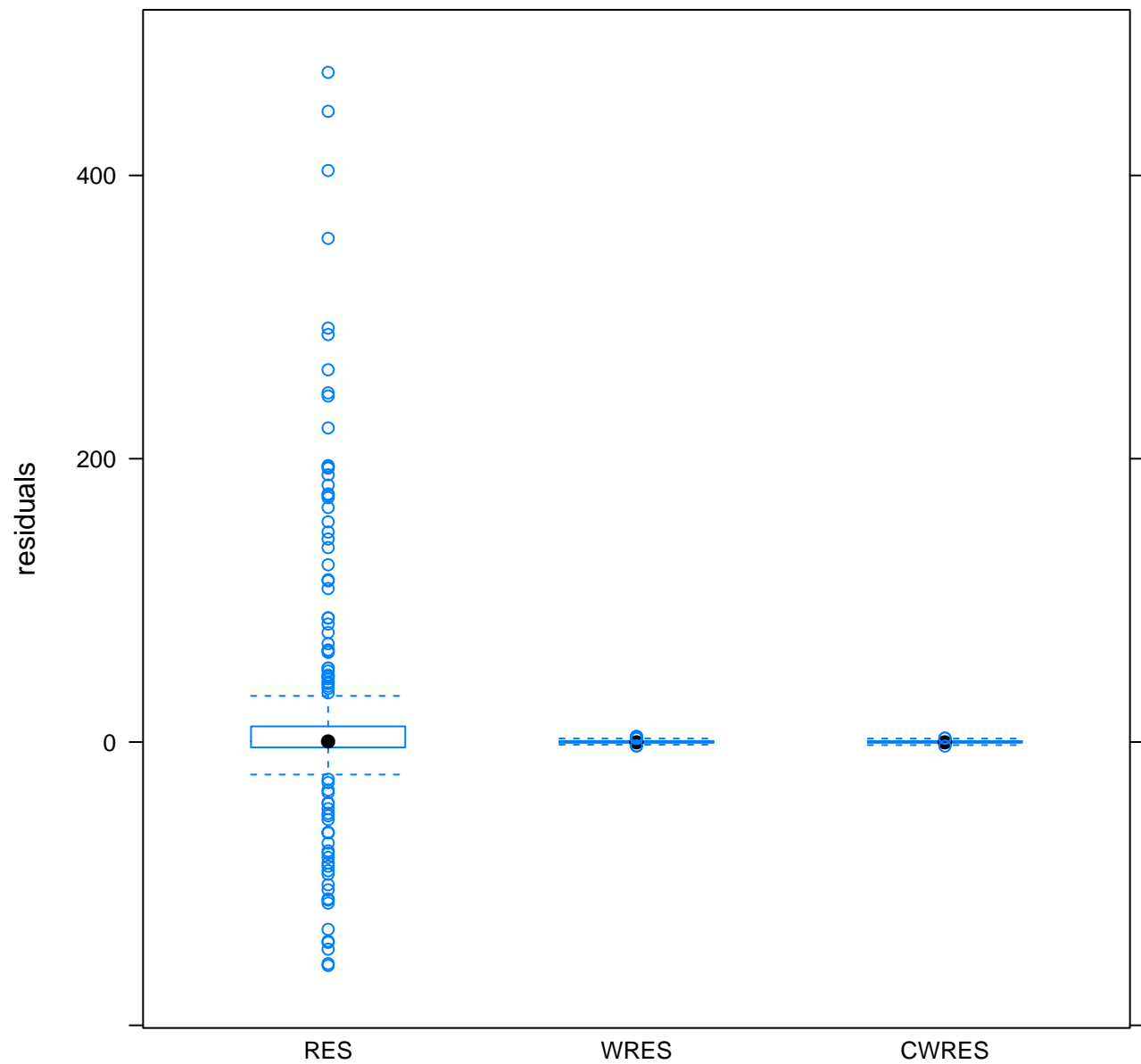
Model 1001
Q-Q Plot of CWRES vs. WRES for female data



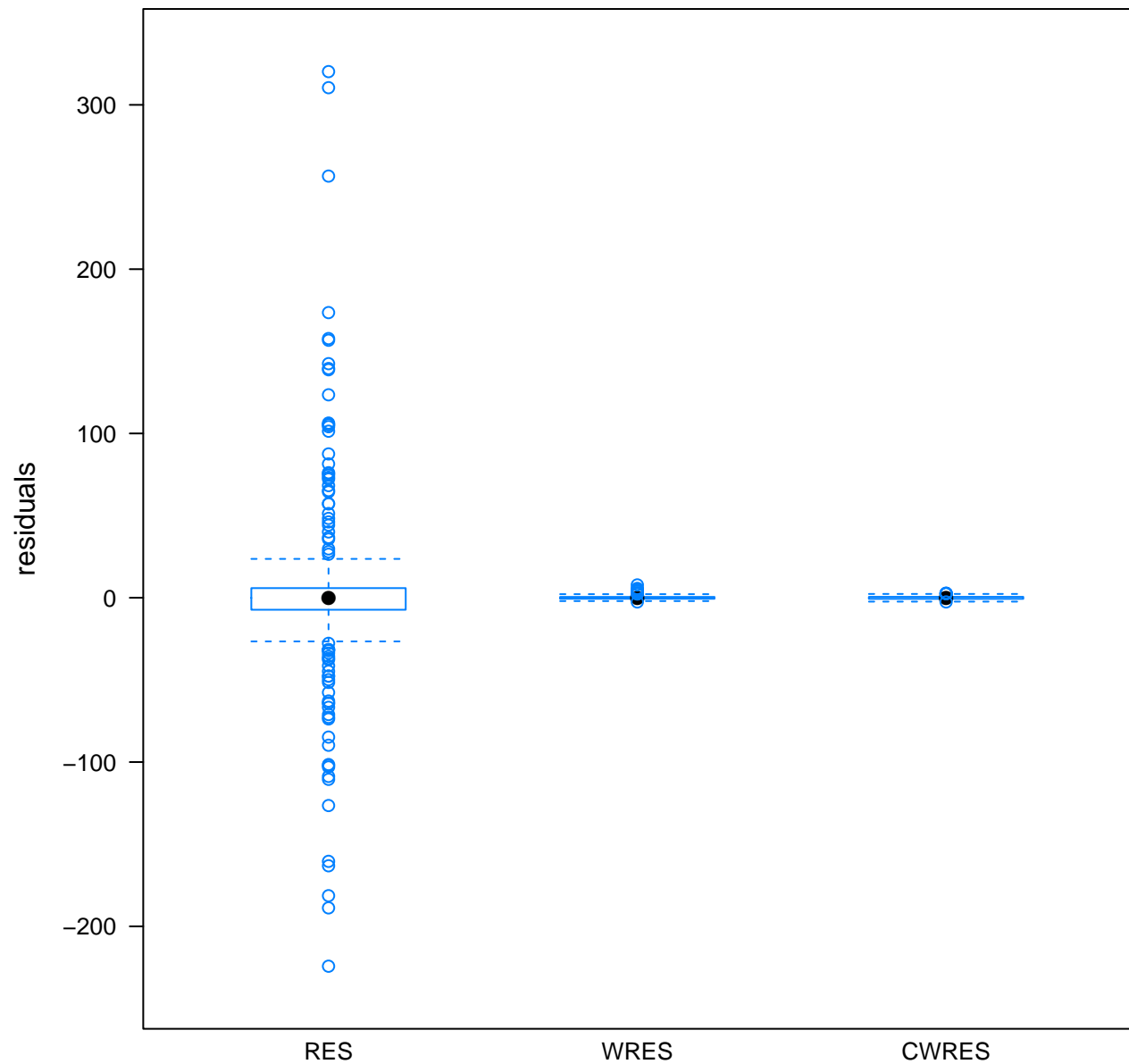
Model 1001
Q-Q Plot of CWRES vs. WRES for male data



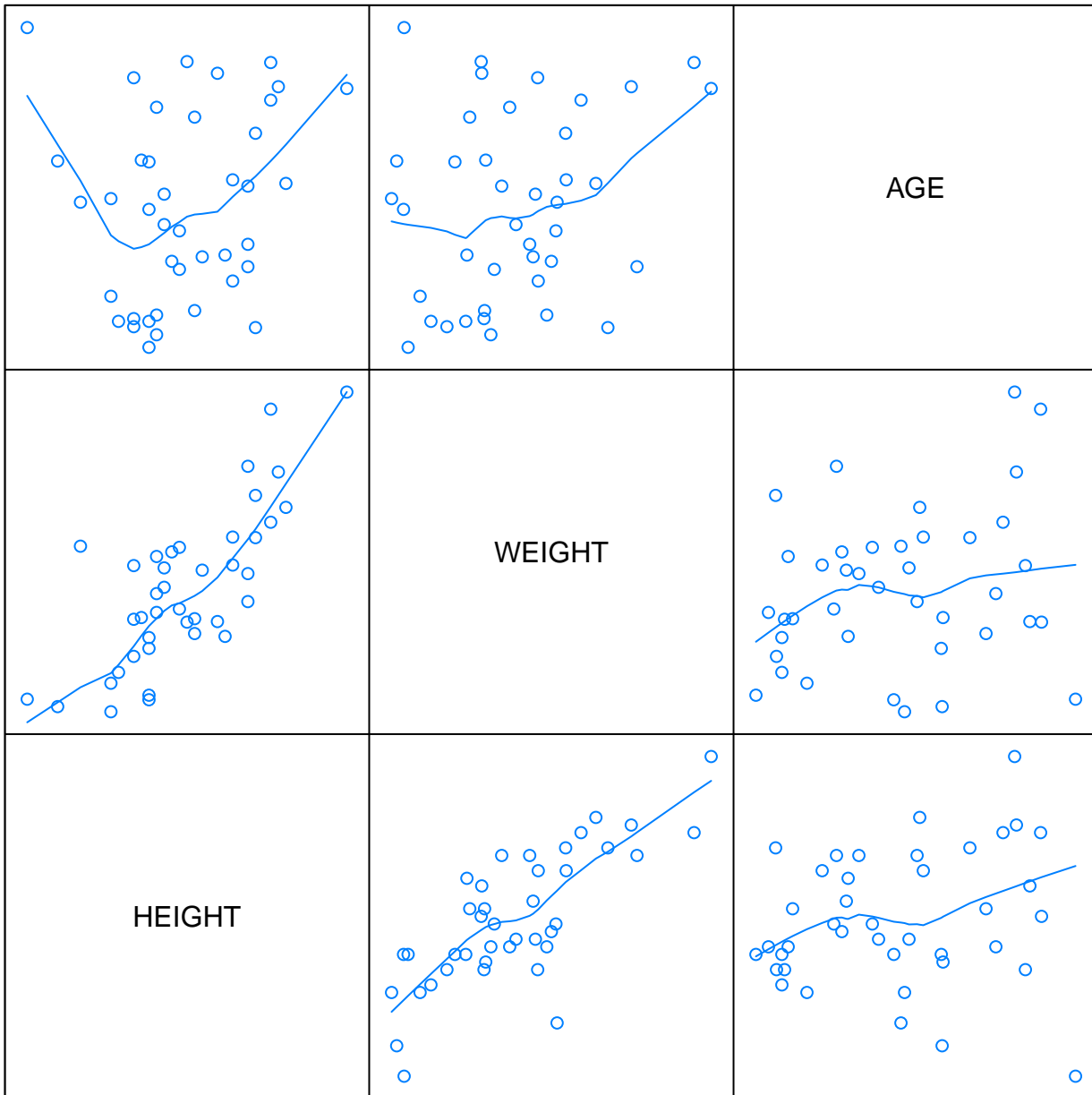
Model 1001 Boxplots of Residuals for female data



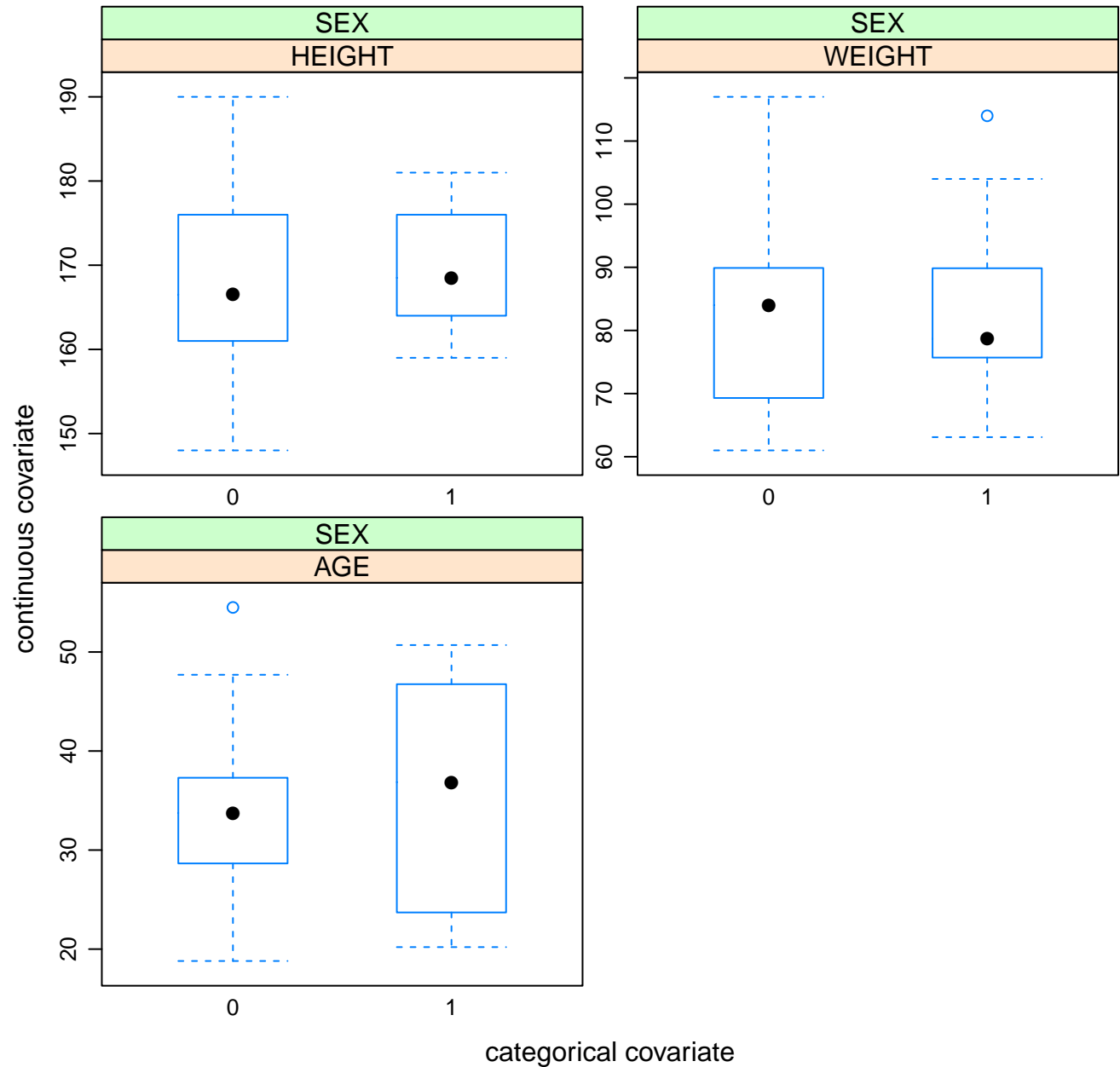
Model 1001 Boxplots of Residuals for male data



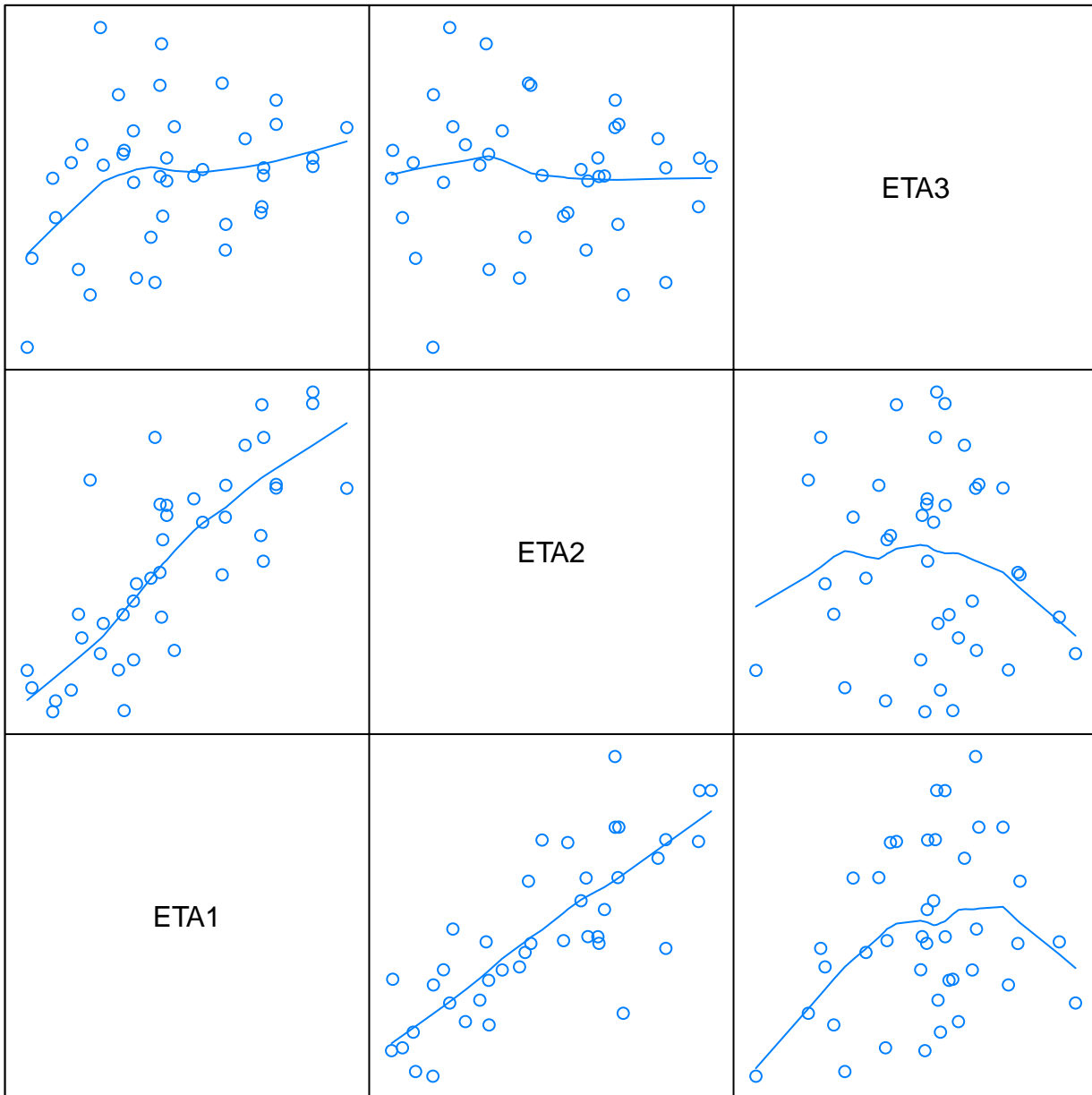
Covariate Scatterplots



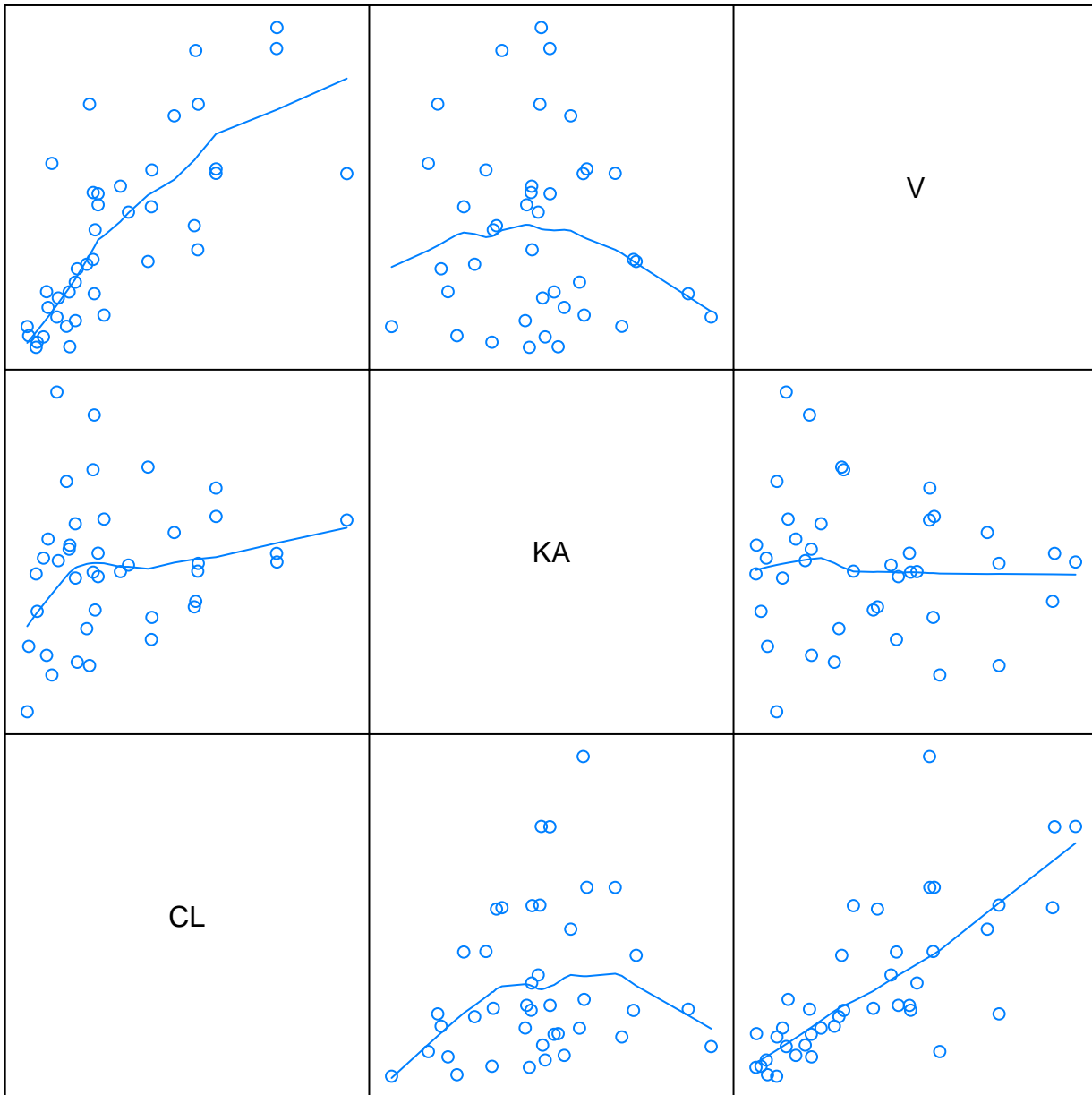
Continuous Covariates vs. Categorical Covariates



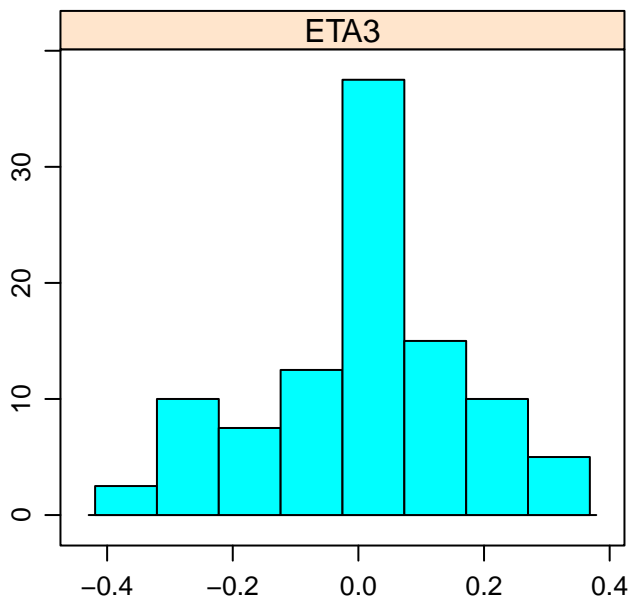
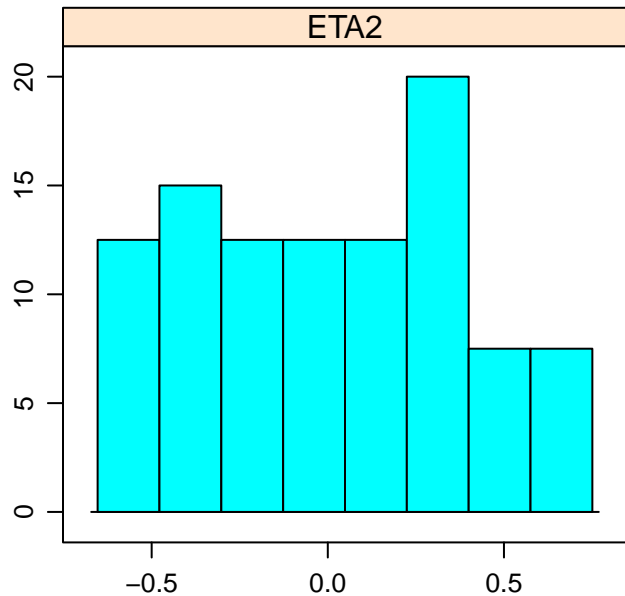
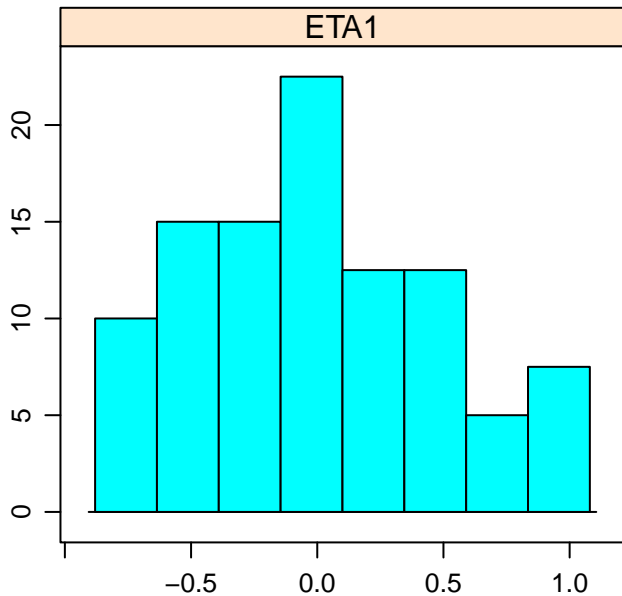
ETA Scatterplots



Parameter Scatterplots

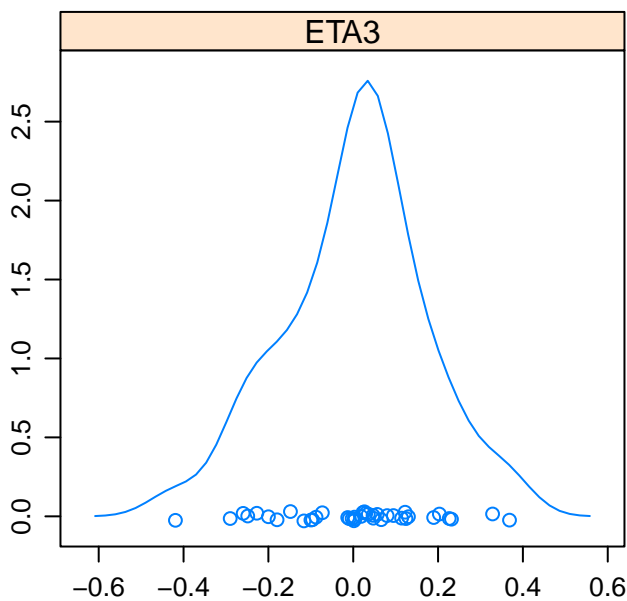
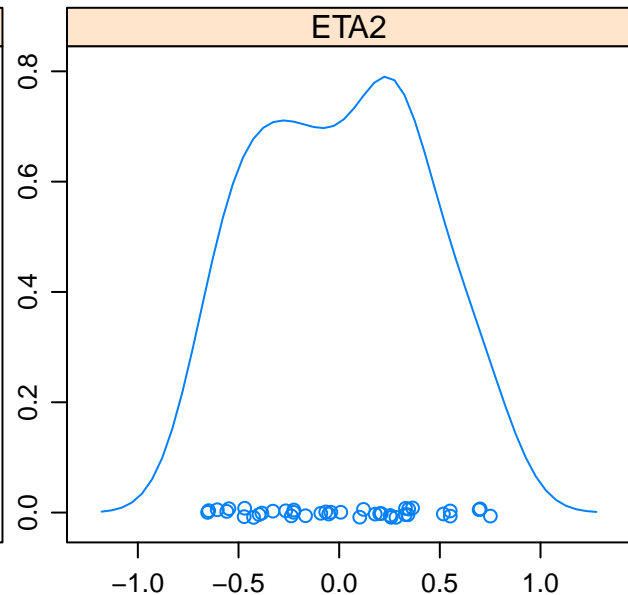
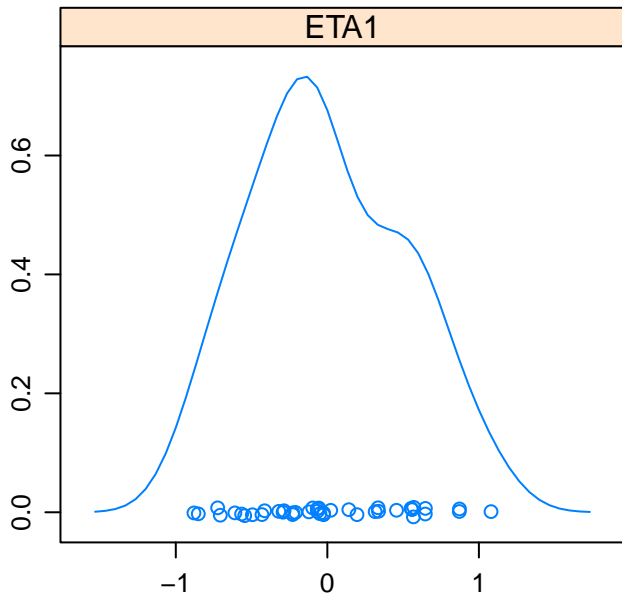


Histograms of Etas



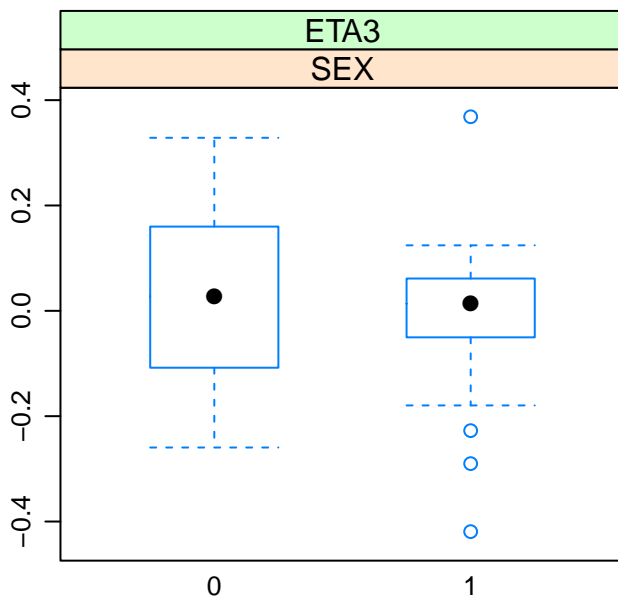
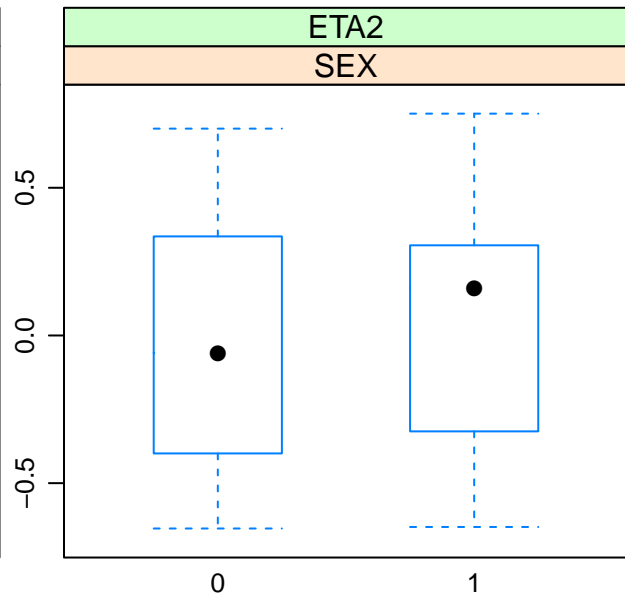
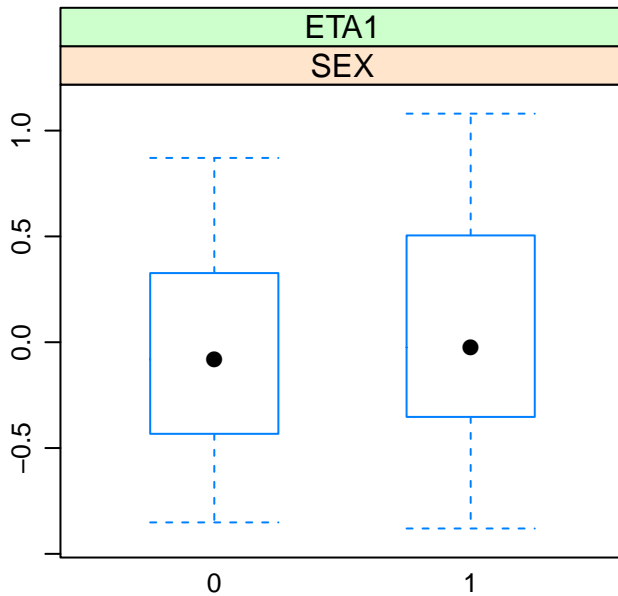
value

Density of Etas



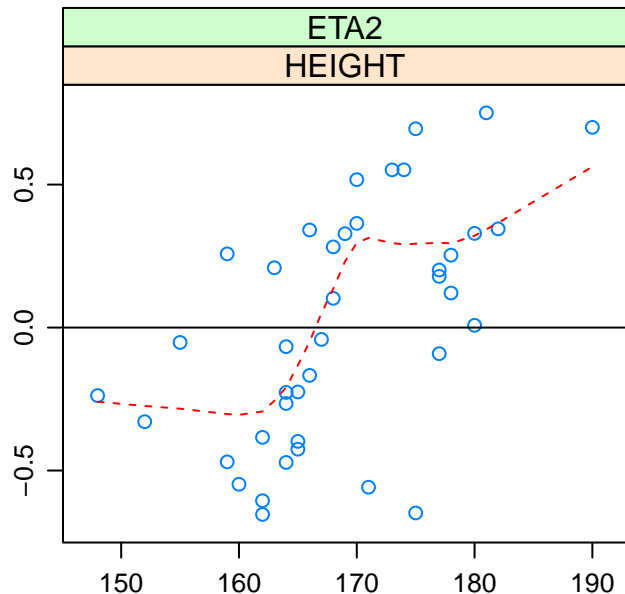
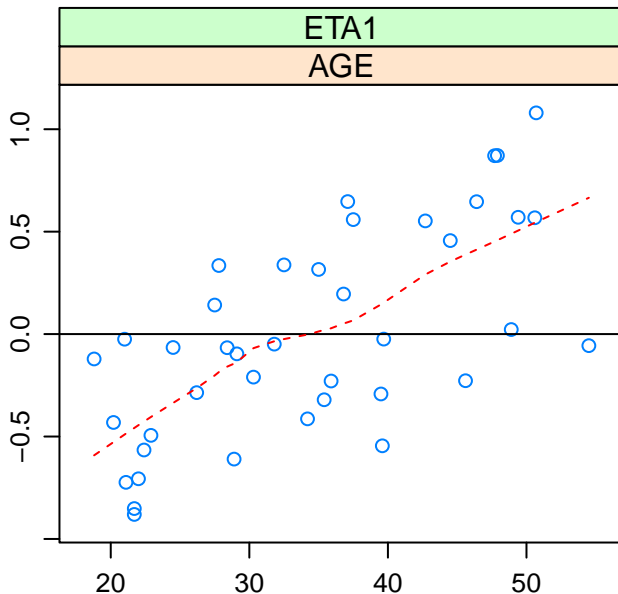
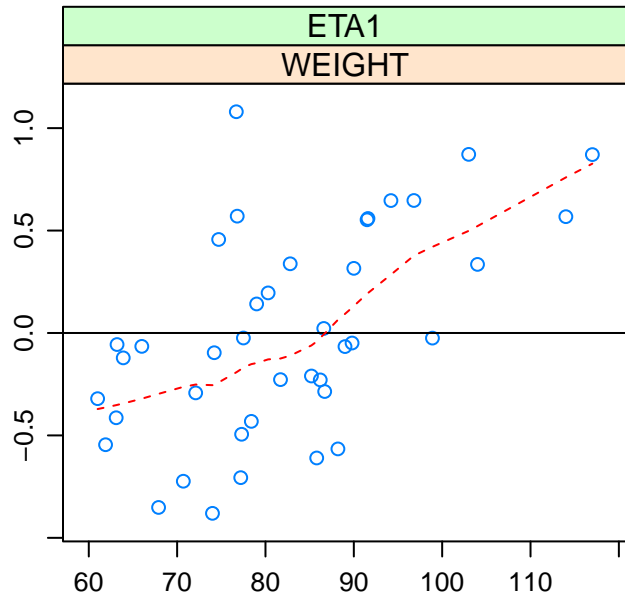
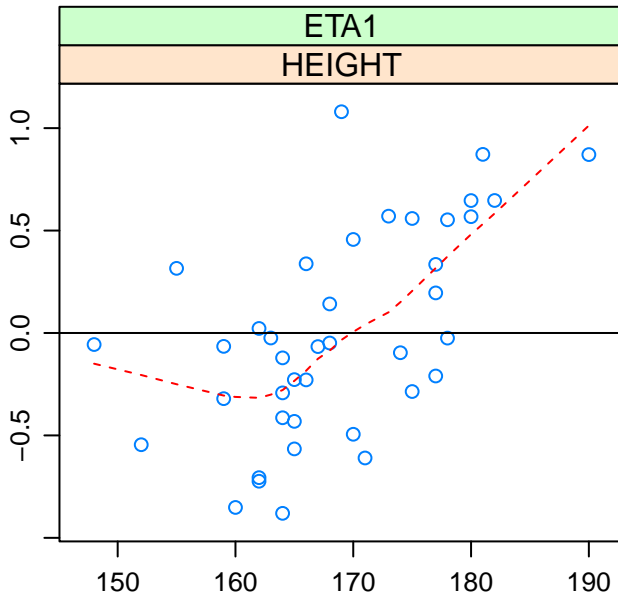
value

Boxplots of Etas by Categorical Covariate



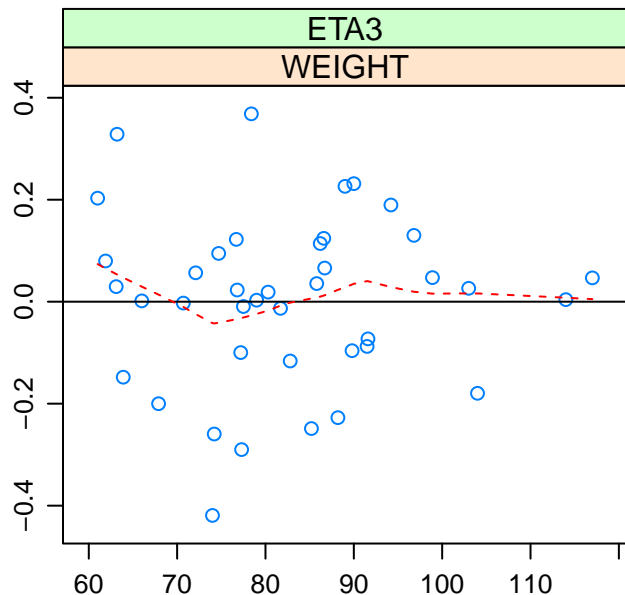
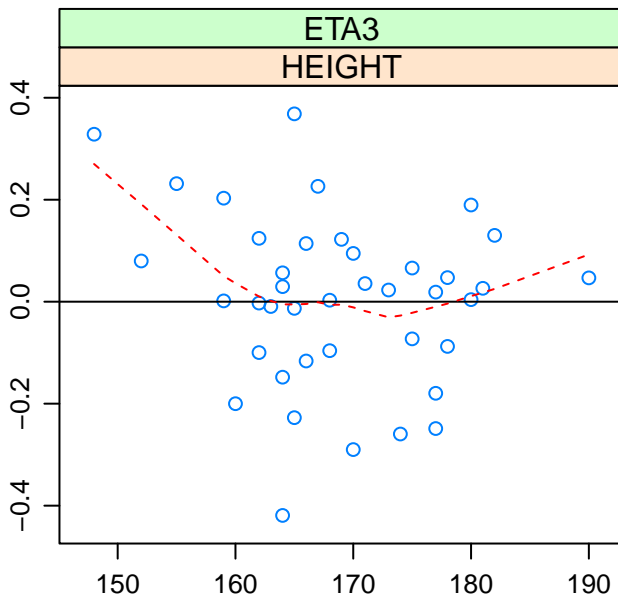
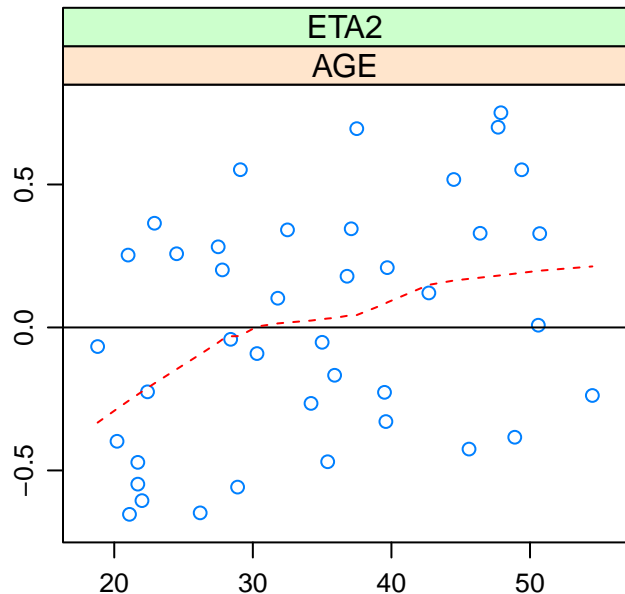
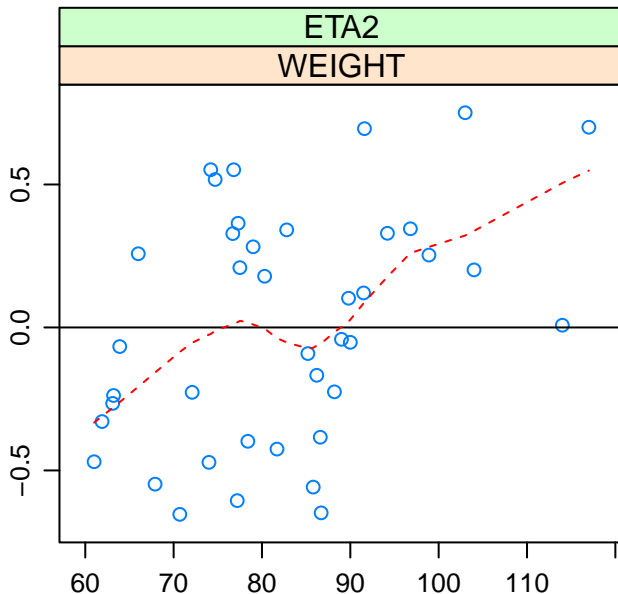
categorical covariate level

Etas vs. Continuous Covariates



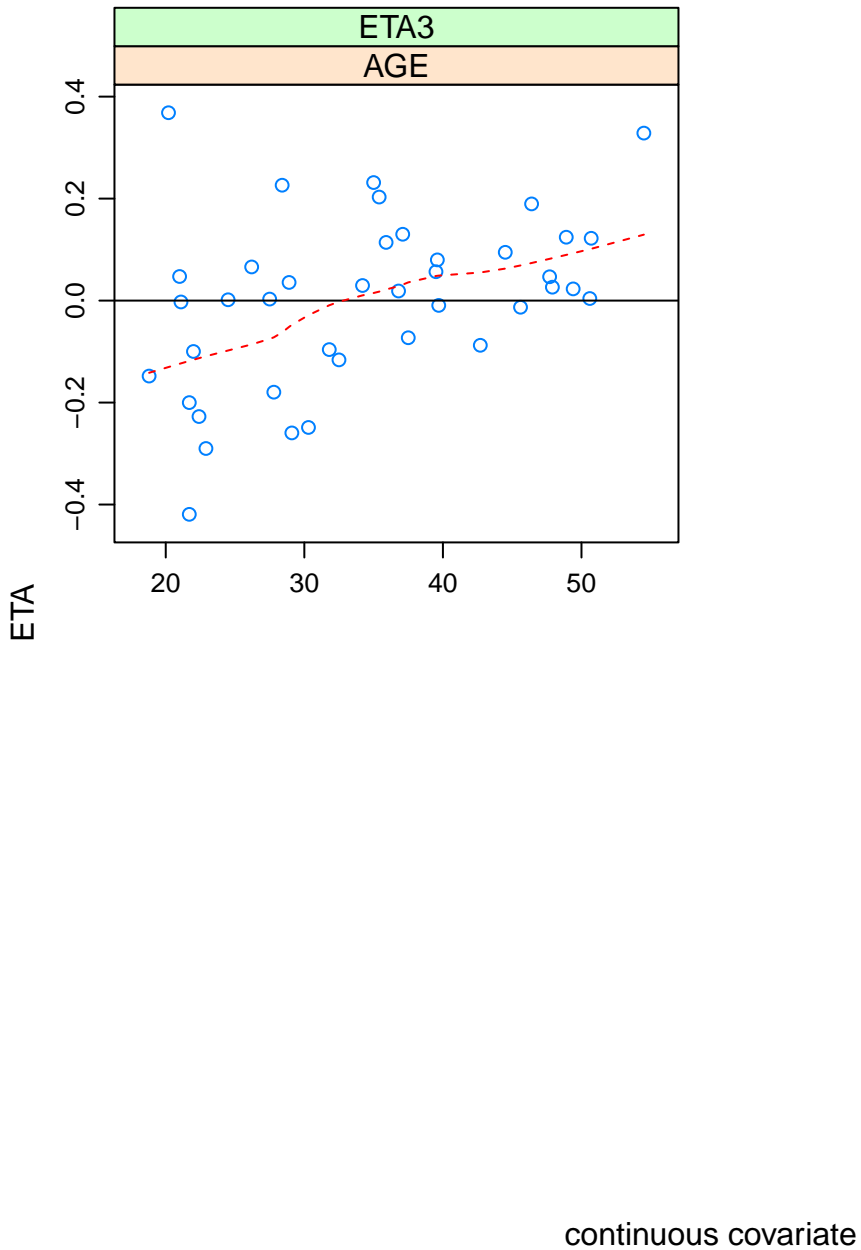
continuous covariate

Etas vs. Continuous Covariates

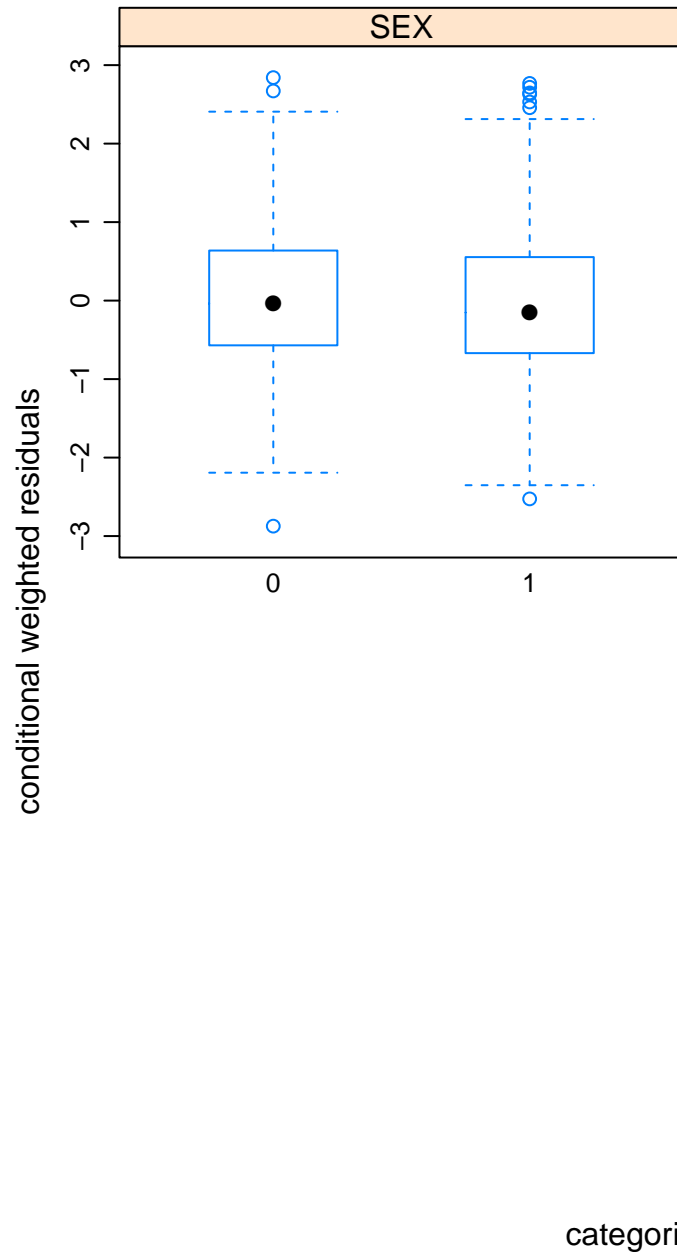


continuous covariate

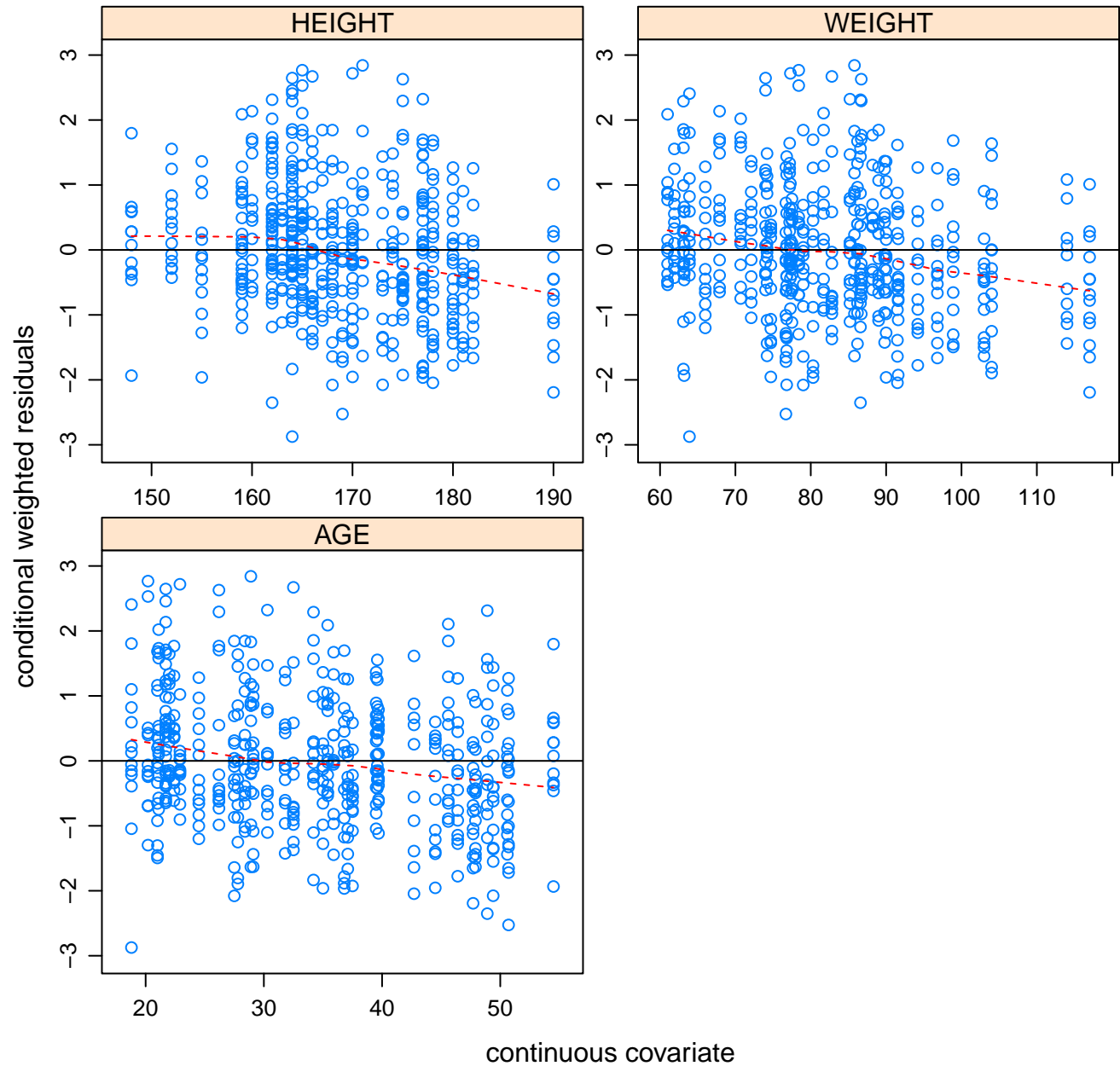
Etas vs. Continuous Covariates



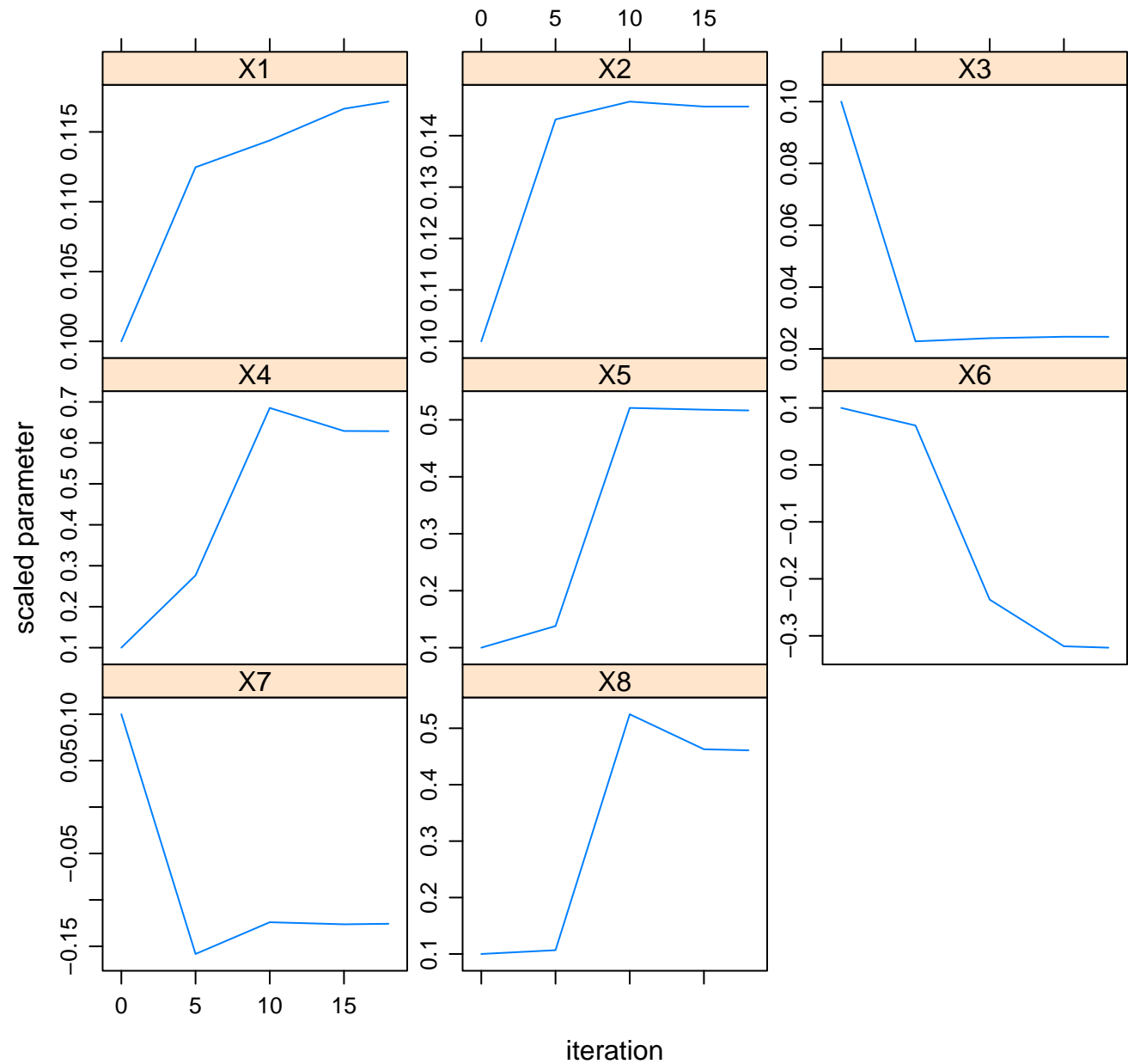
CWRES vs. Categorical Covariates



CWRES vs. Continuous Covariates



Model 1001 parameter search



Model 1001 gradient search

