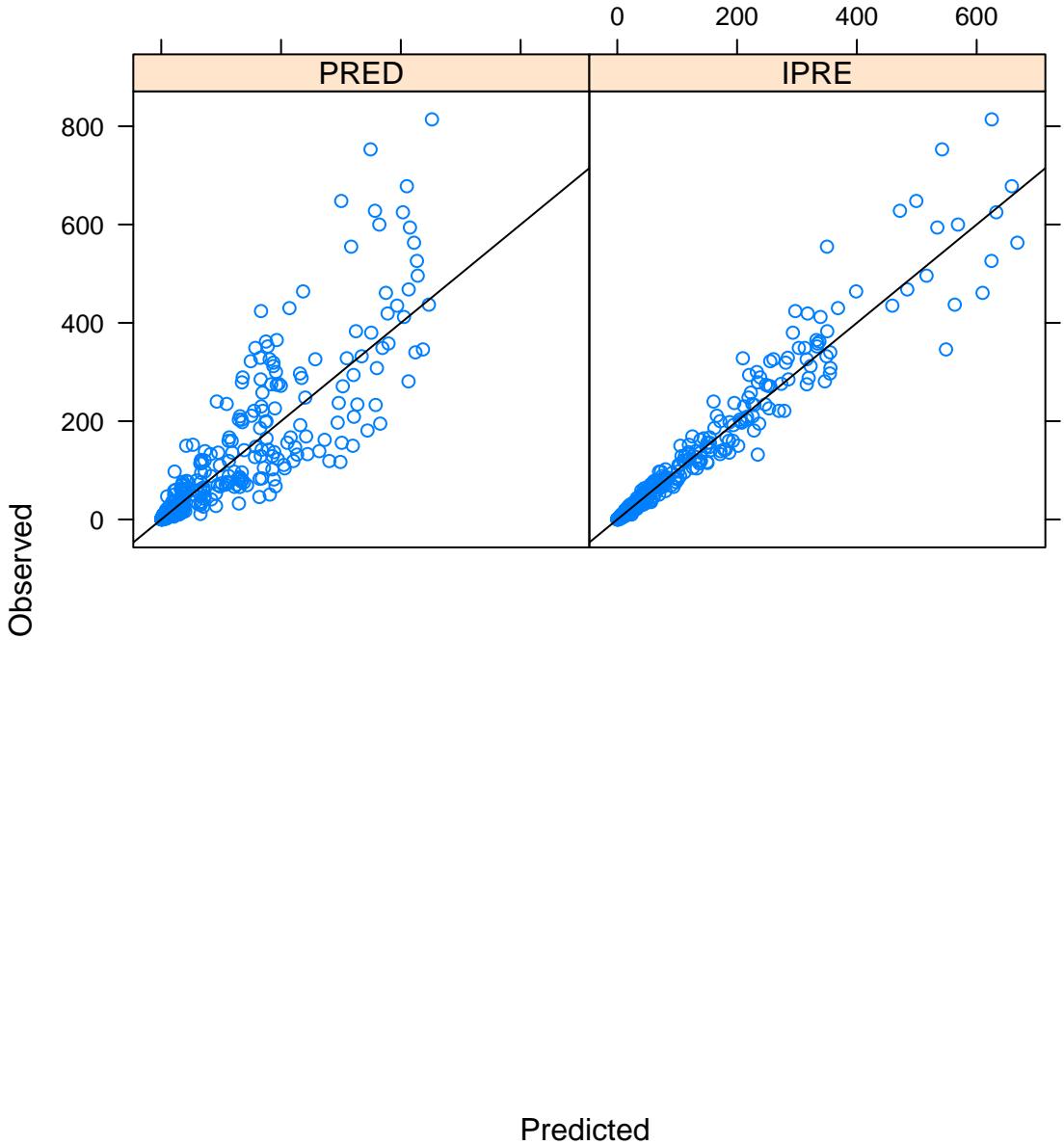


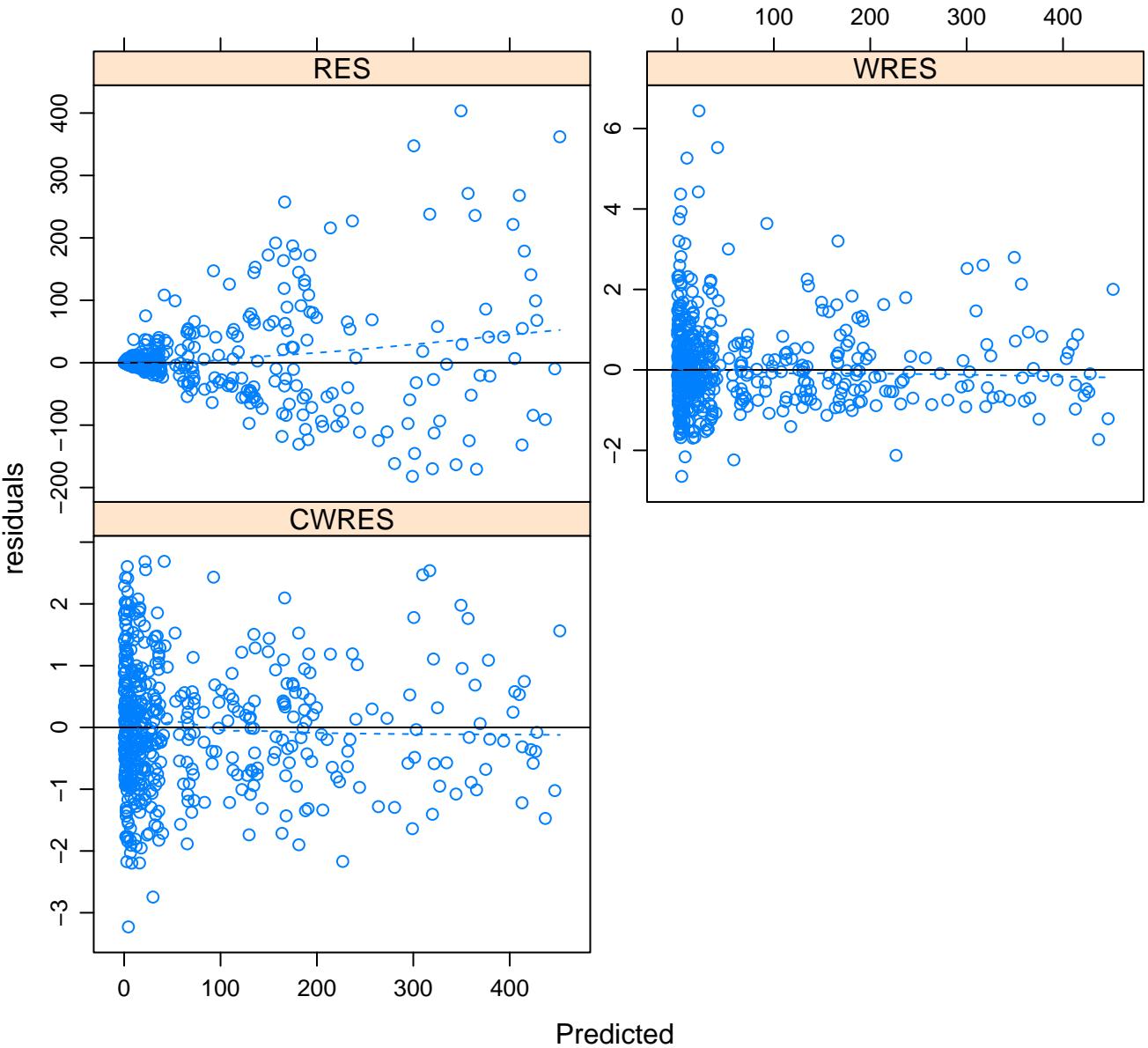
Model 1005

Observed vs. Predicted for all data



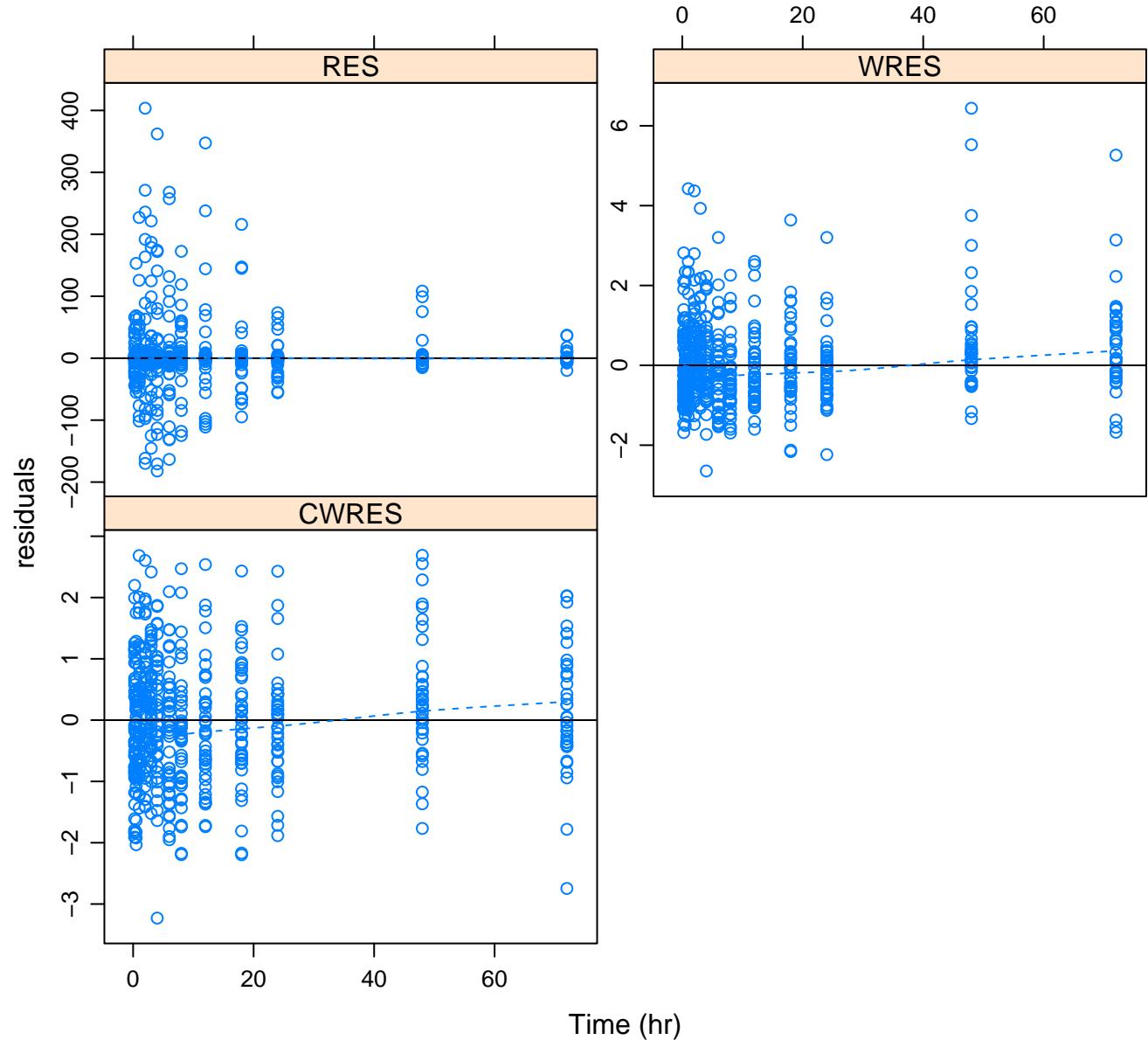
Model 1005

Residuals vs. Predicted for all data



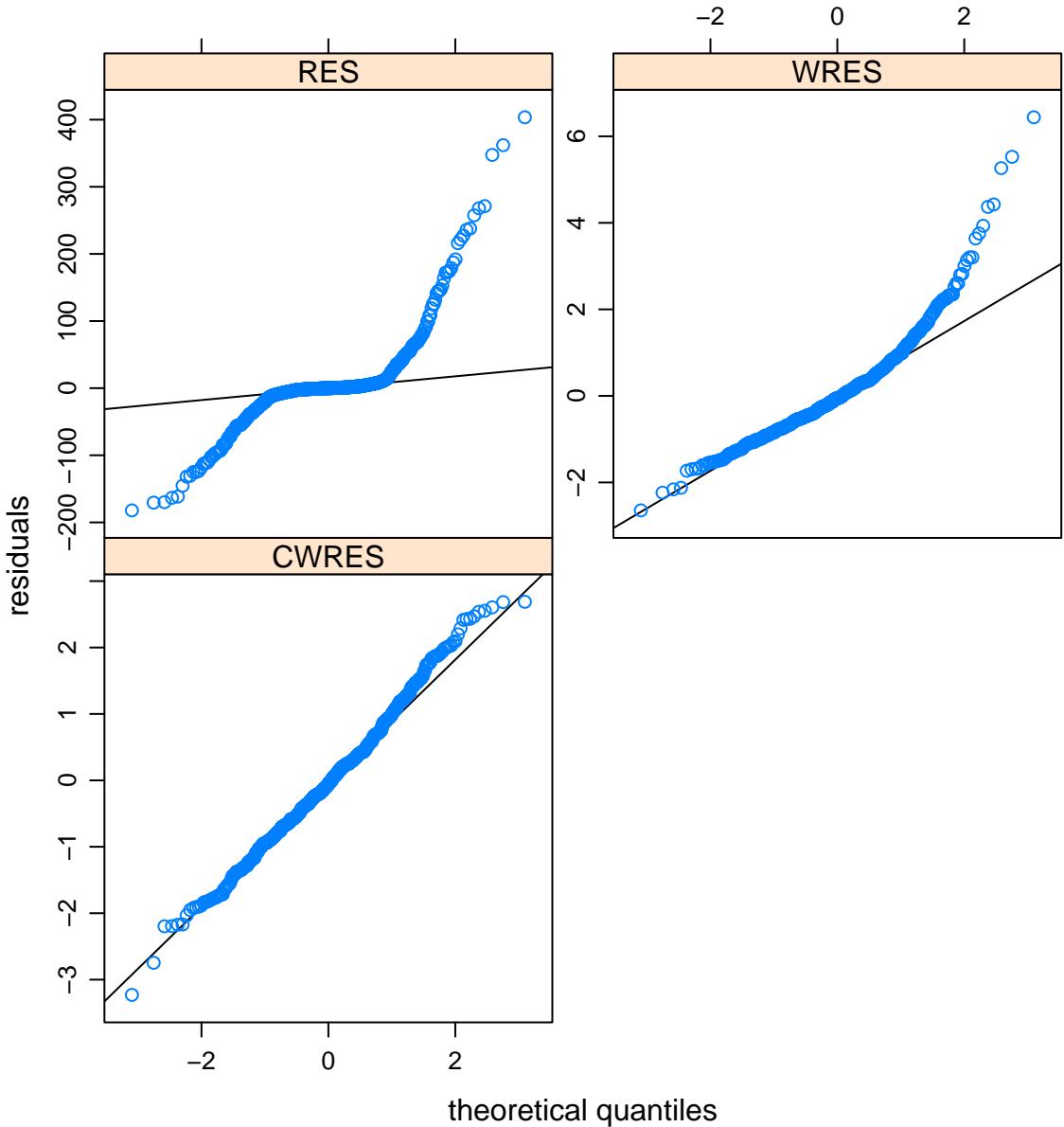
Model 1005

Residuals vs. Time for all data



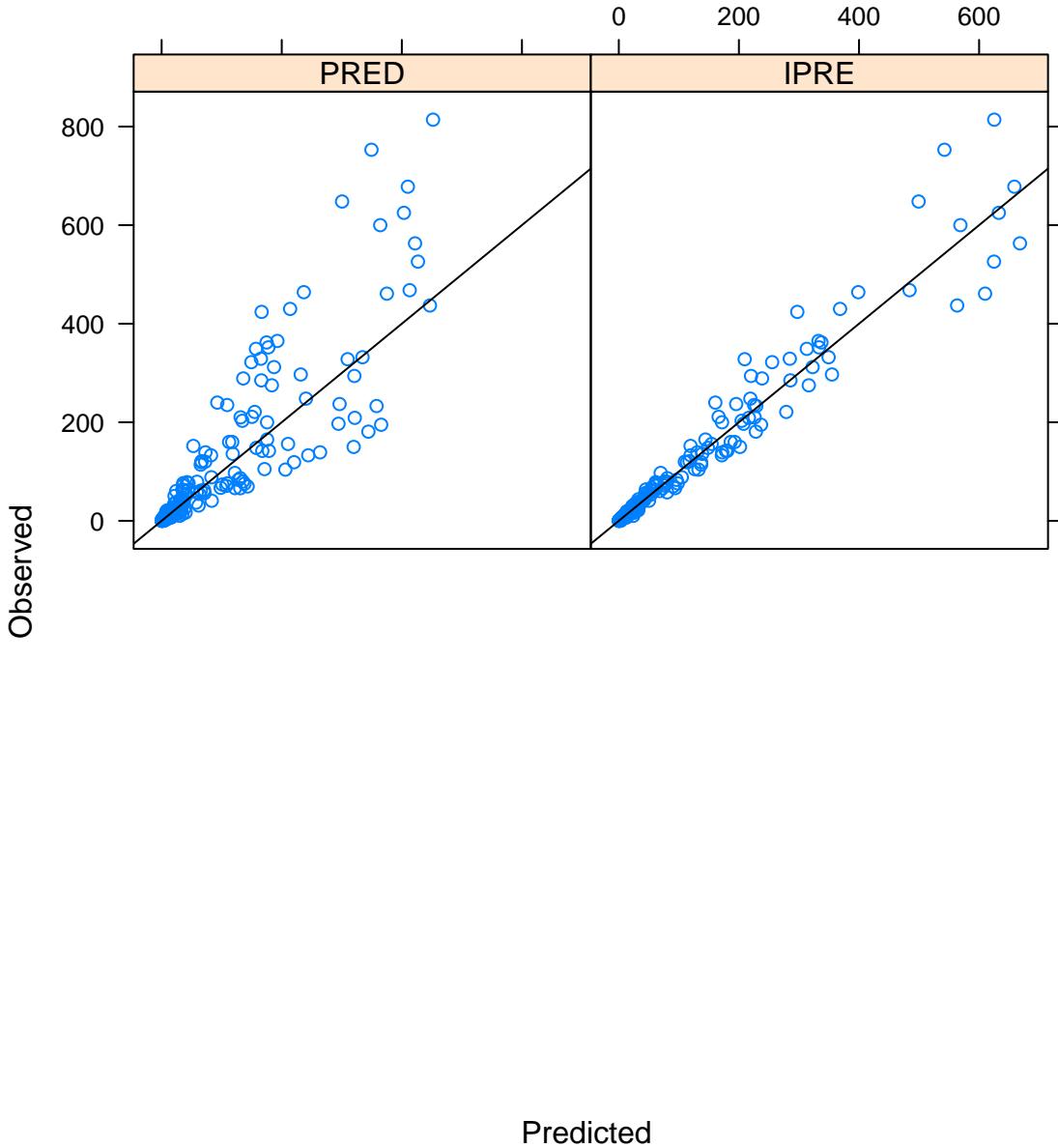
Model 1005

Normal Q-Q Plot Residuals for all data



Model 1005

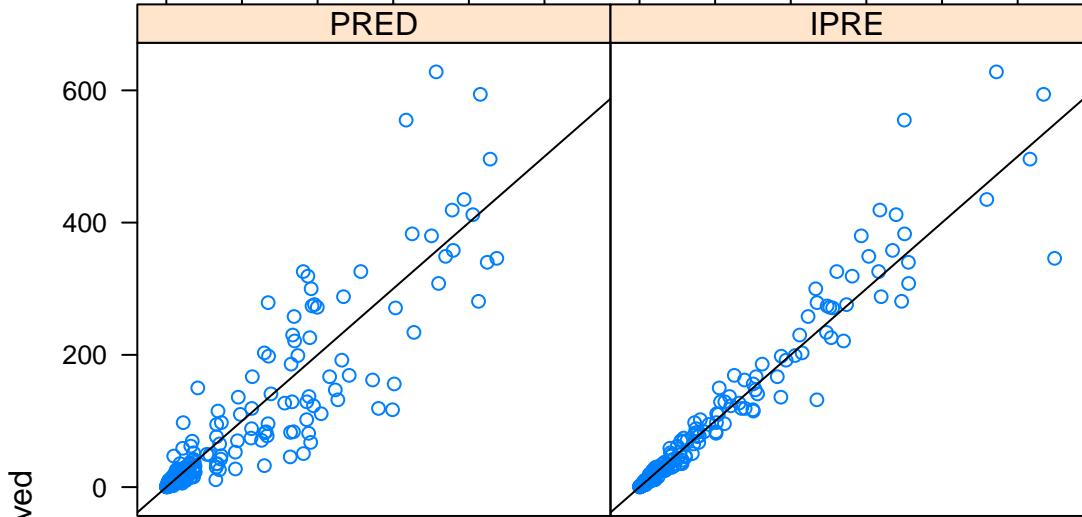
Observed vs. Predicted for female data



Model 1005

Observed vs. Predicted for male data

0 100 200 300 400 500

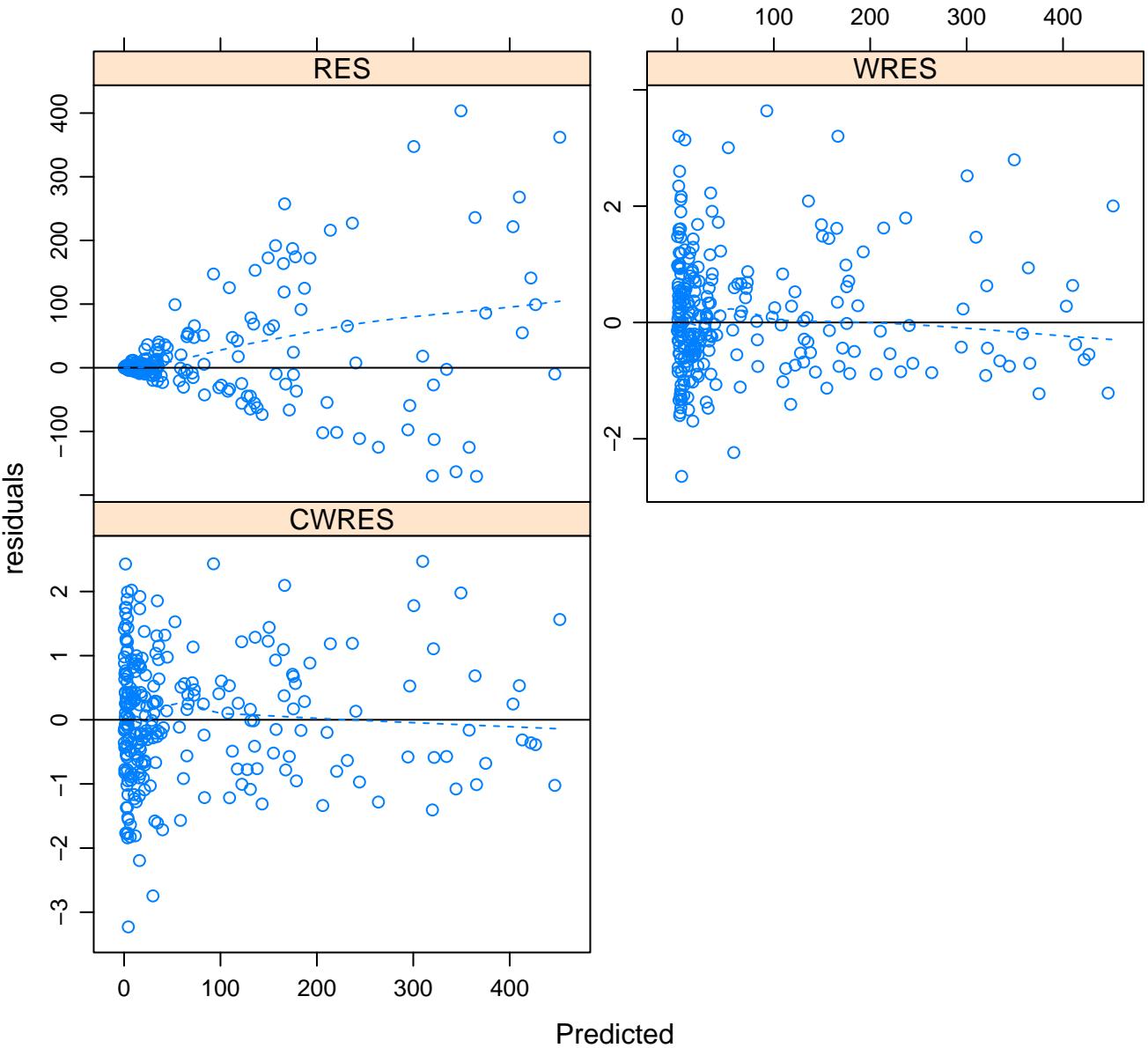


Observed

Predicted

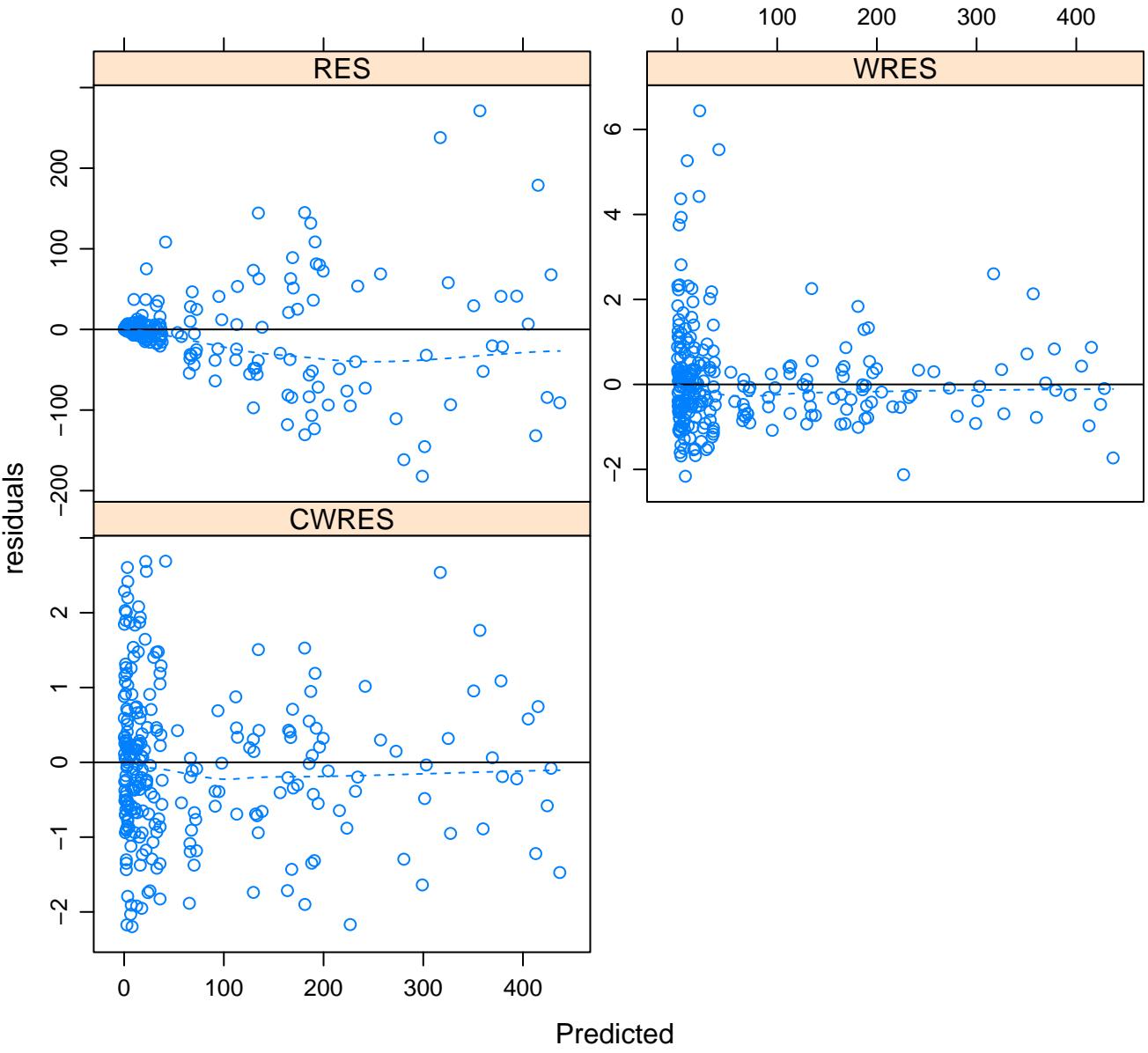
Model 1005

Residuals vs. Predicted for female data



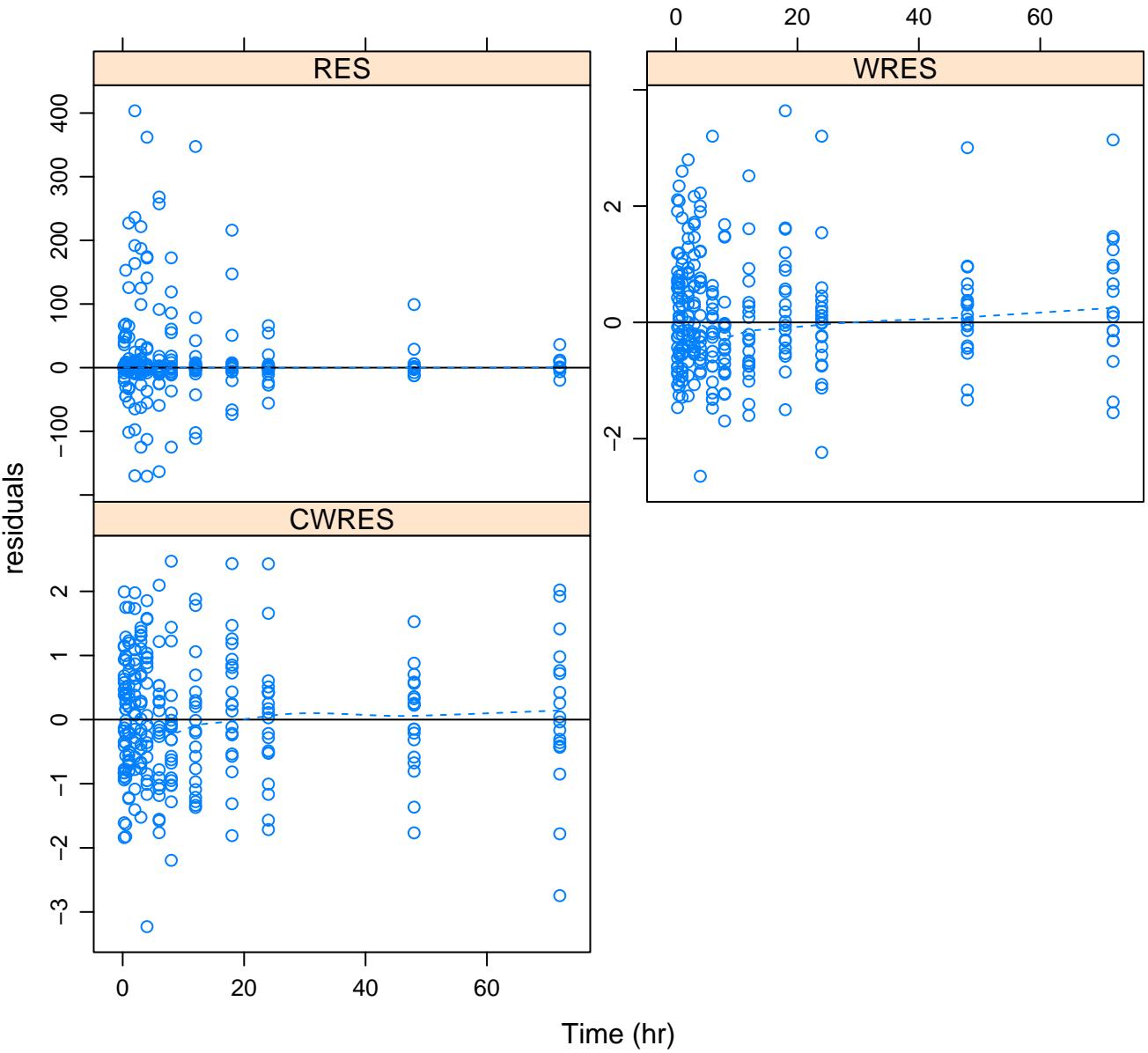
Model 1005

Residuals vs. Predicted for male data



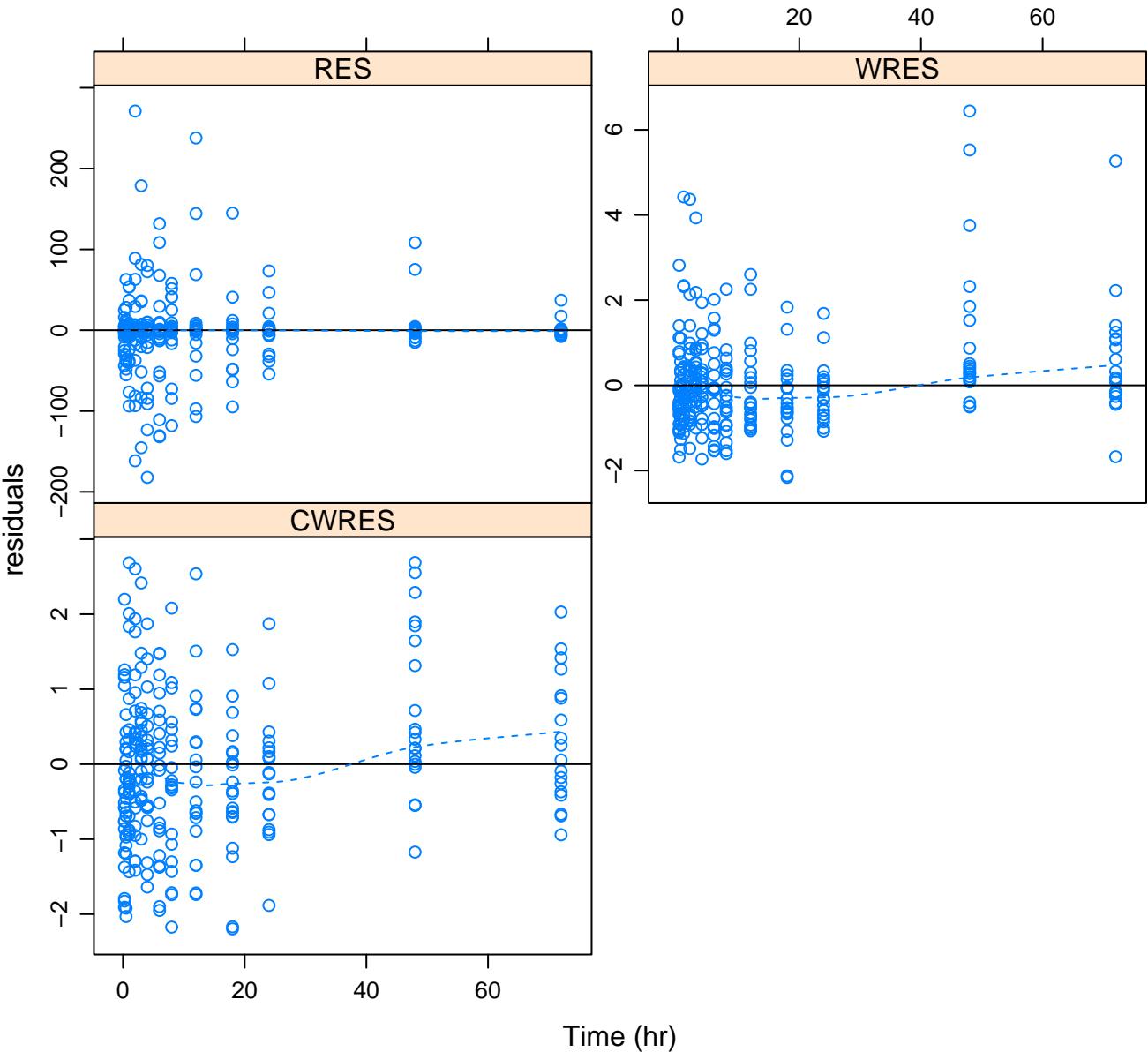
Model 1005

Residuals vs. Time for female data



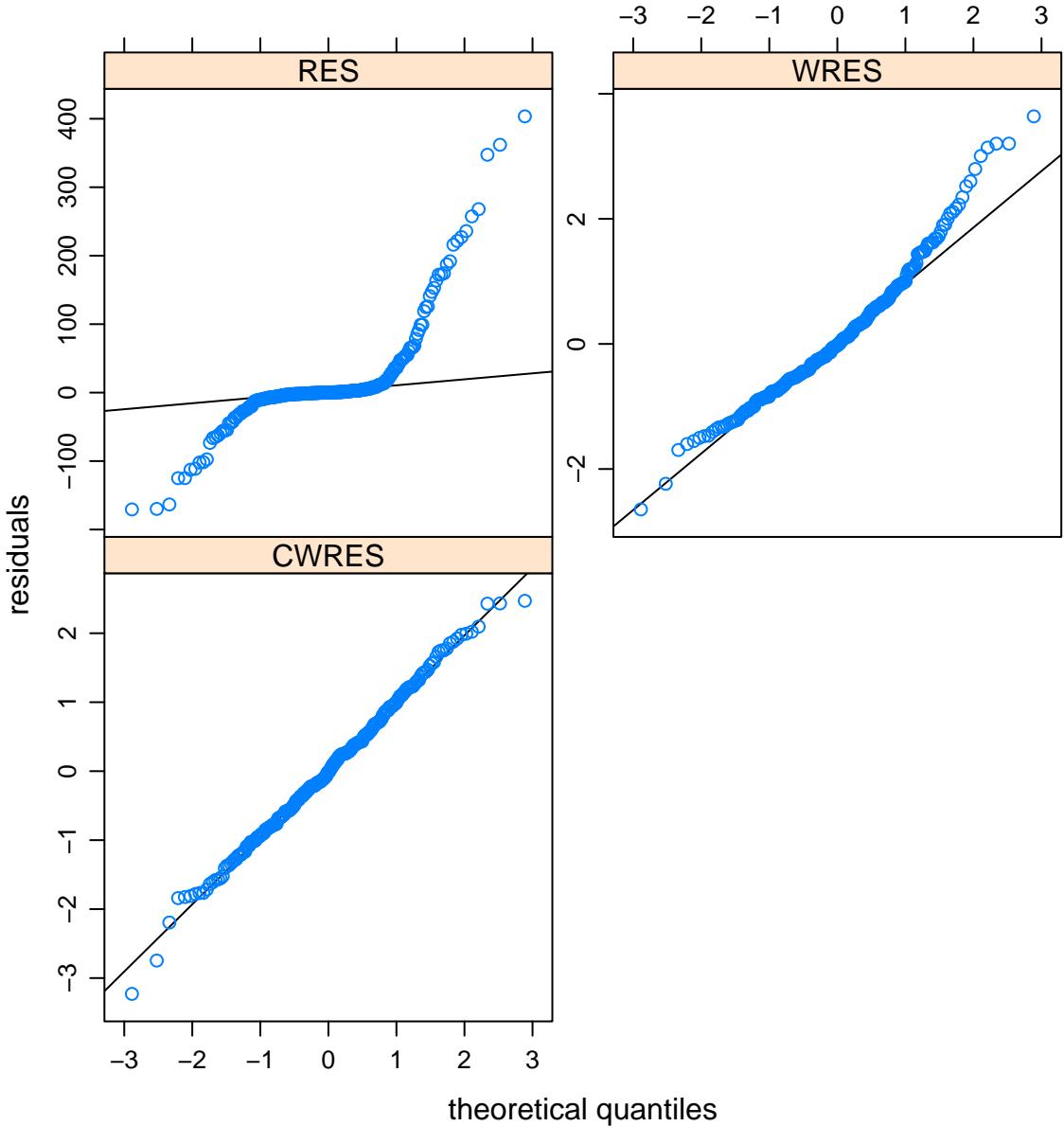
Model 1005

Residuals vs. Time for male data



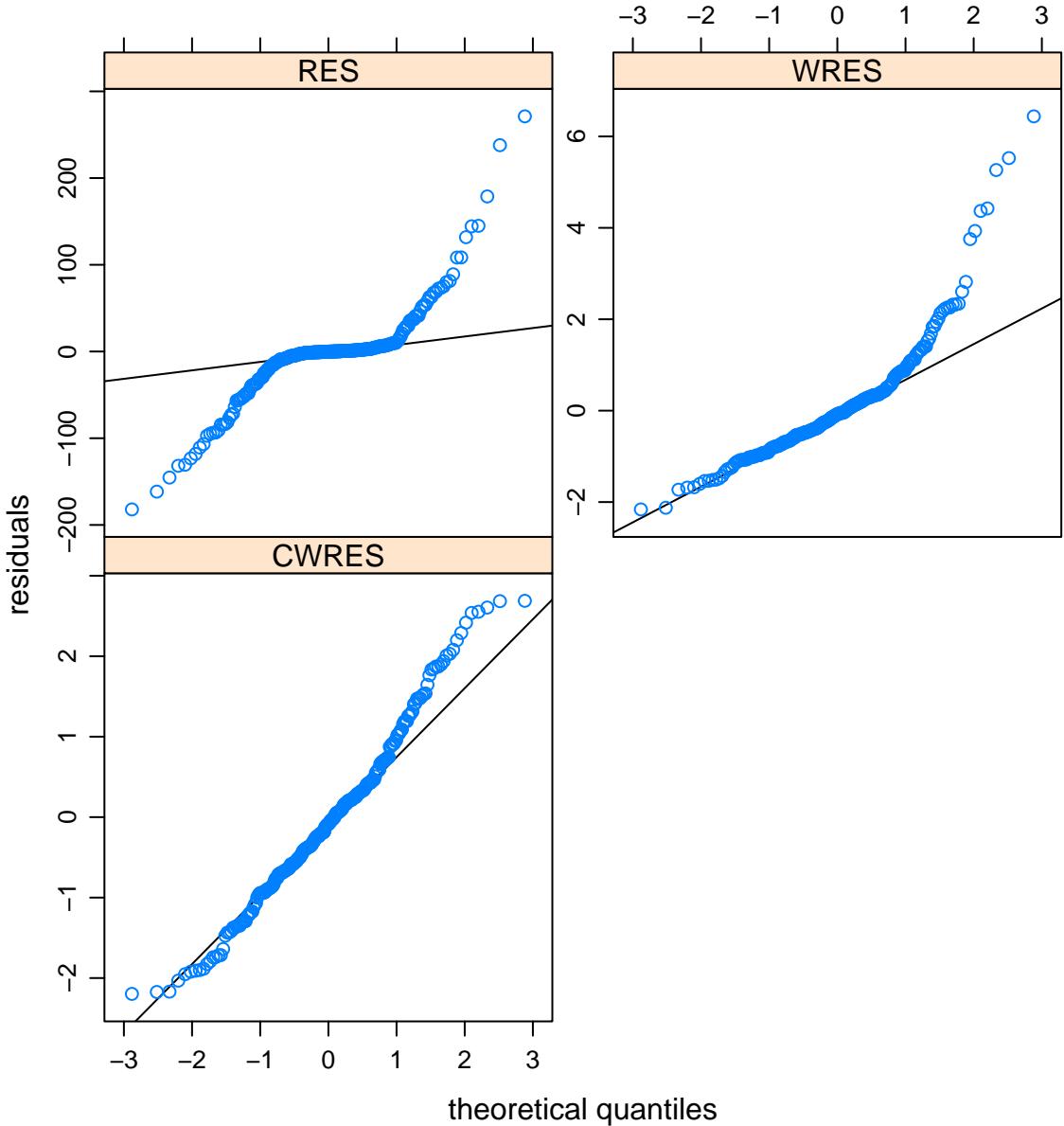
Model 1005

Normal Q-Q Plot Residuals for female data

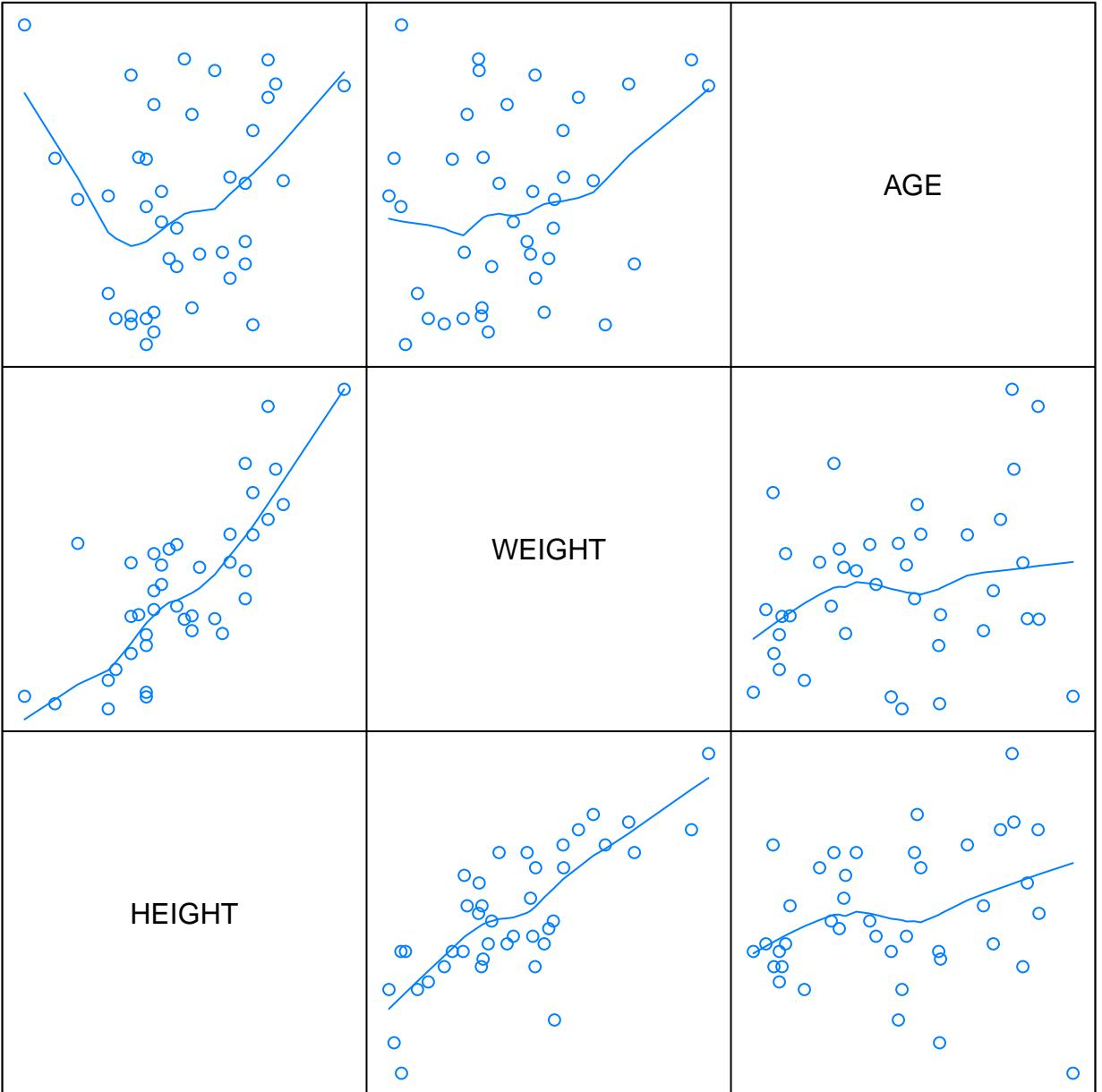


Model 1005

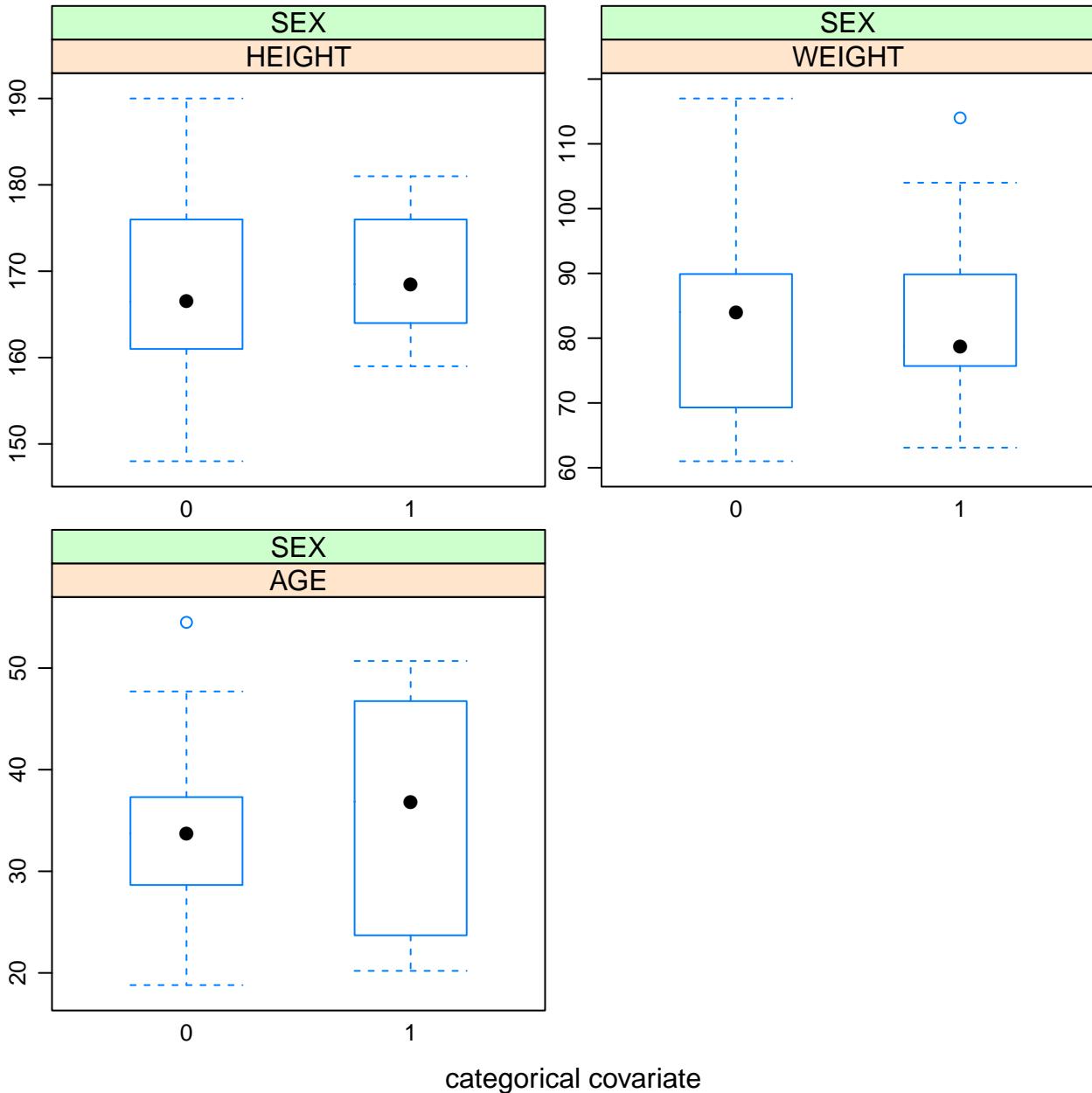
Normal Q-Q Plot Residuals for male data



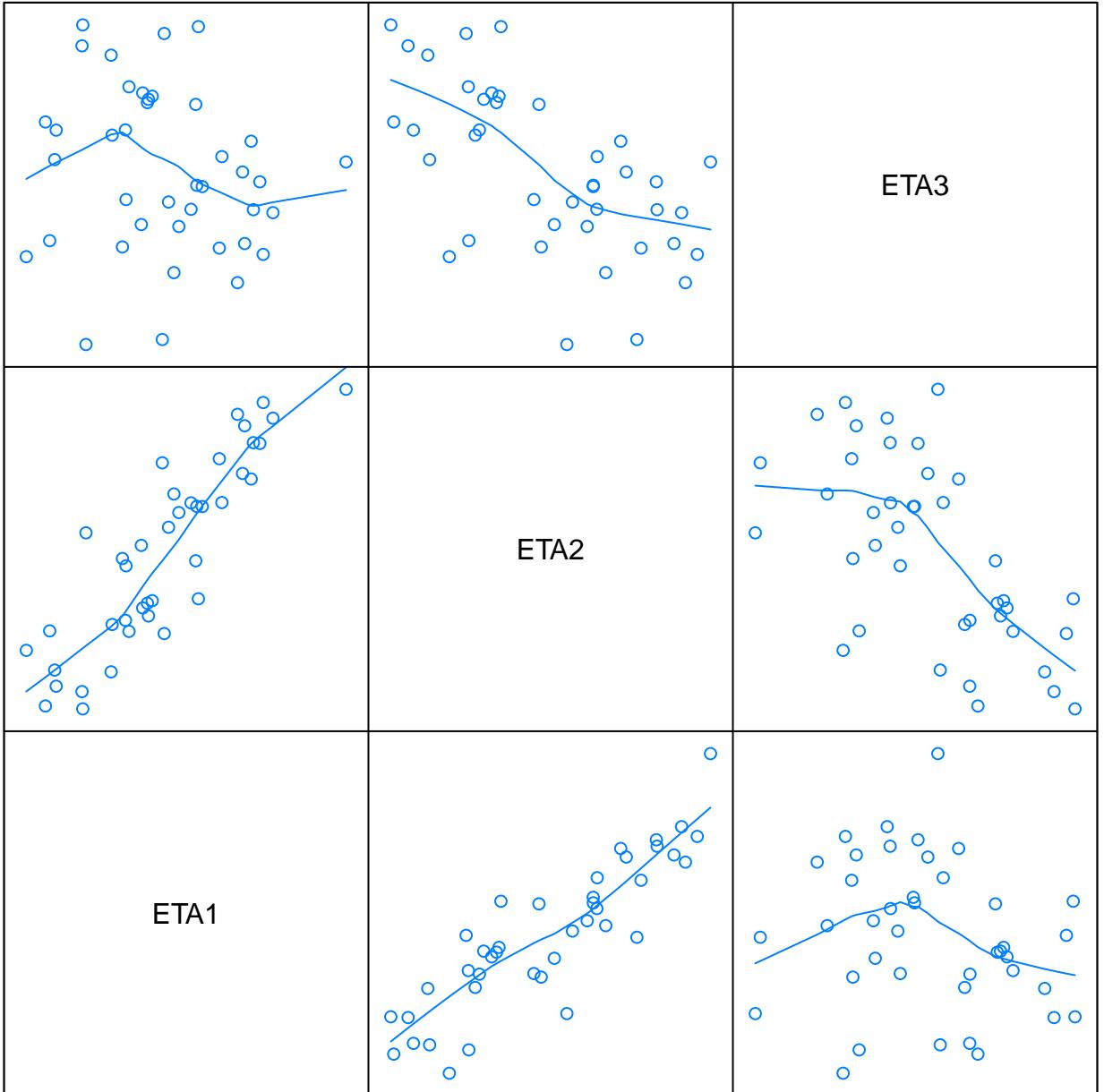
Covariate Scatterplots



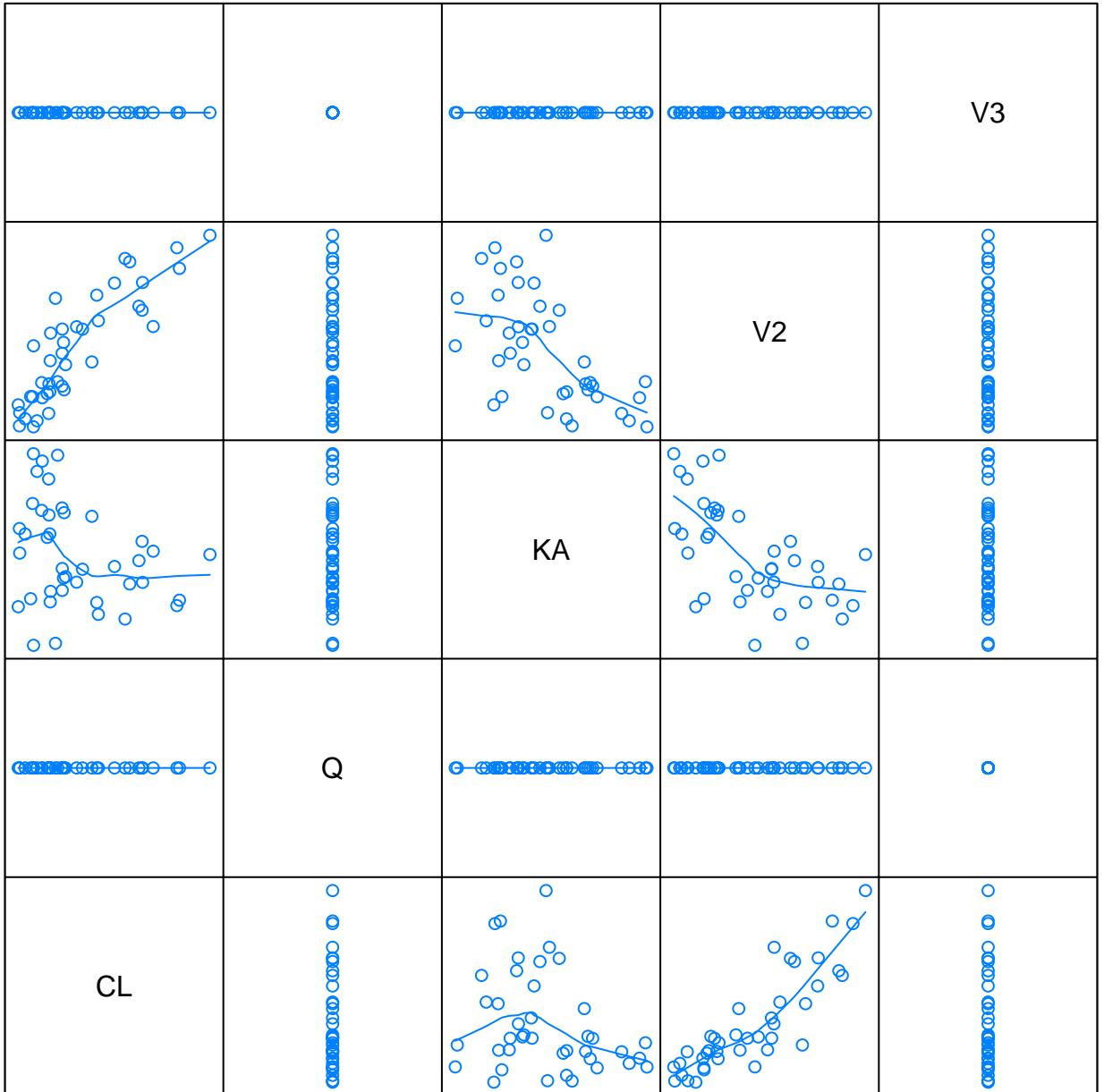
Continuous Covariates vs. Categorical Covariates



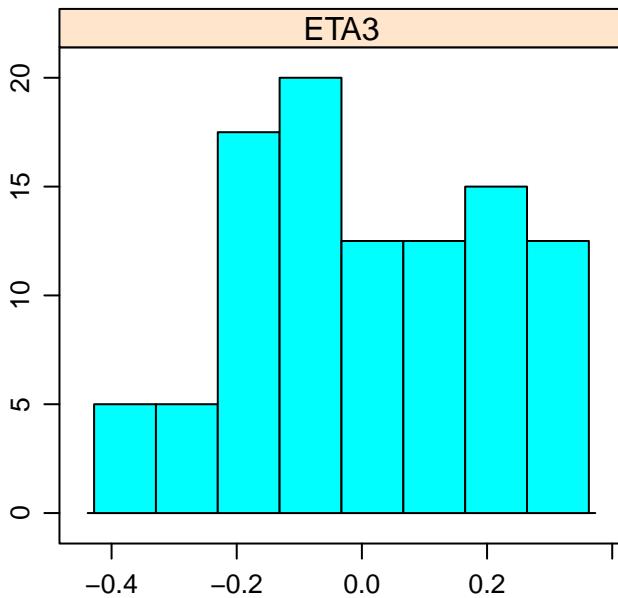
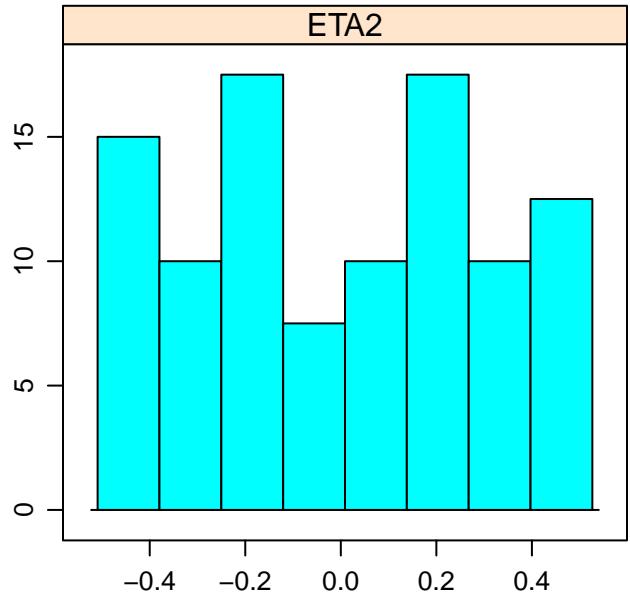
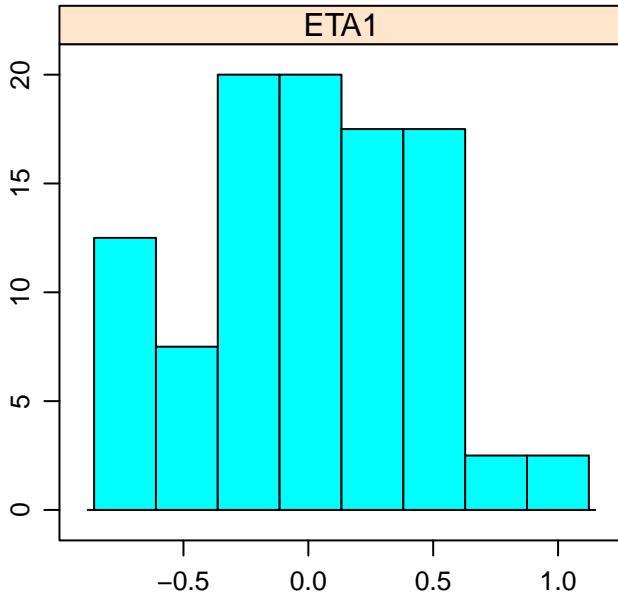
ETA Scatterplots



Parameter Scatterplots

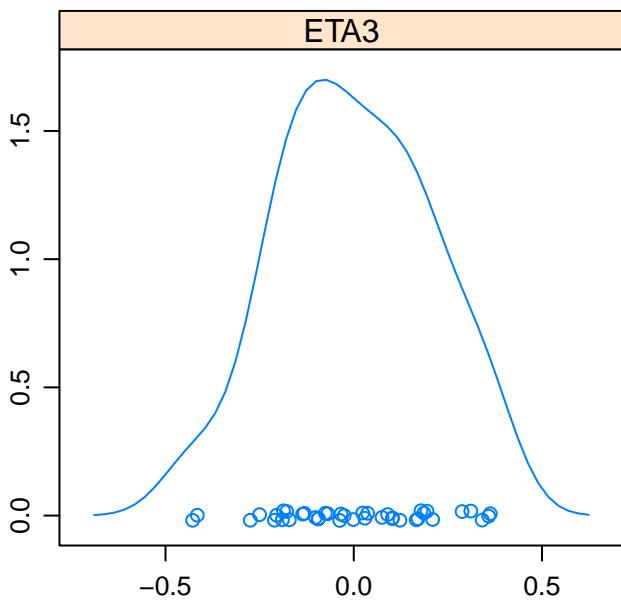
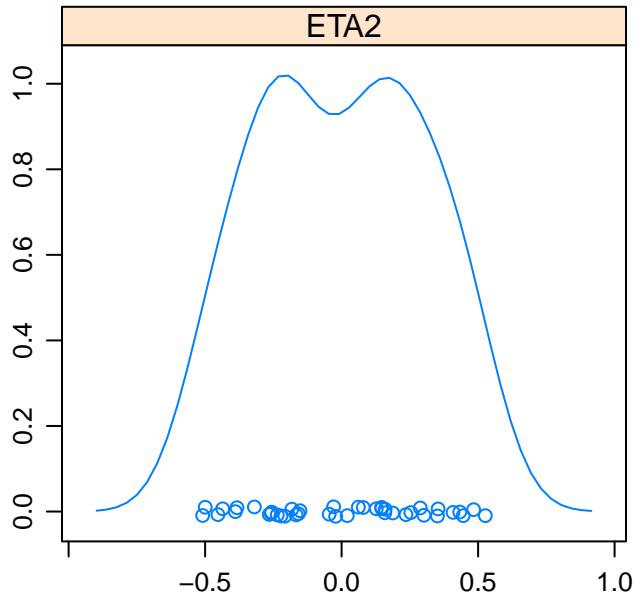
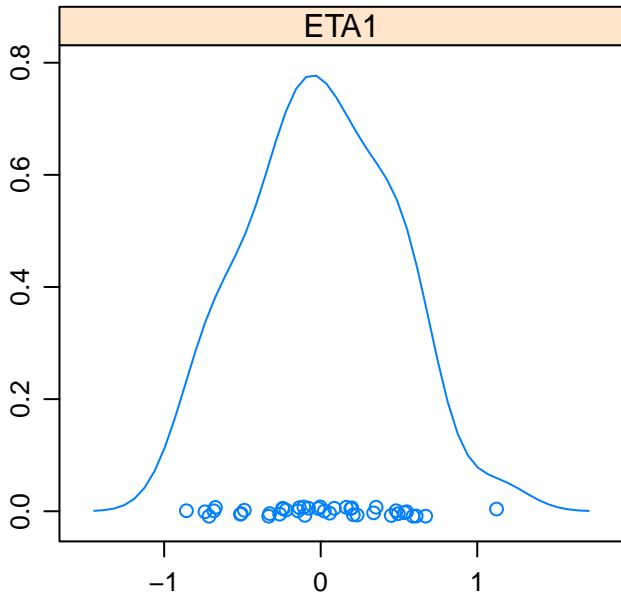


Histograms of Etas



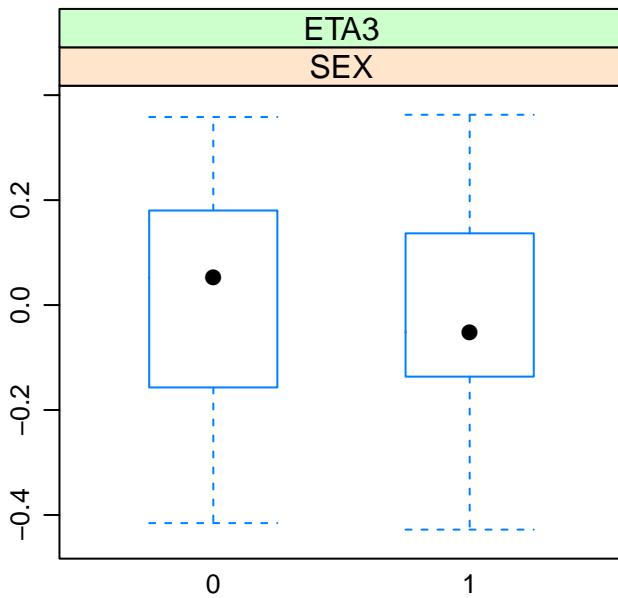
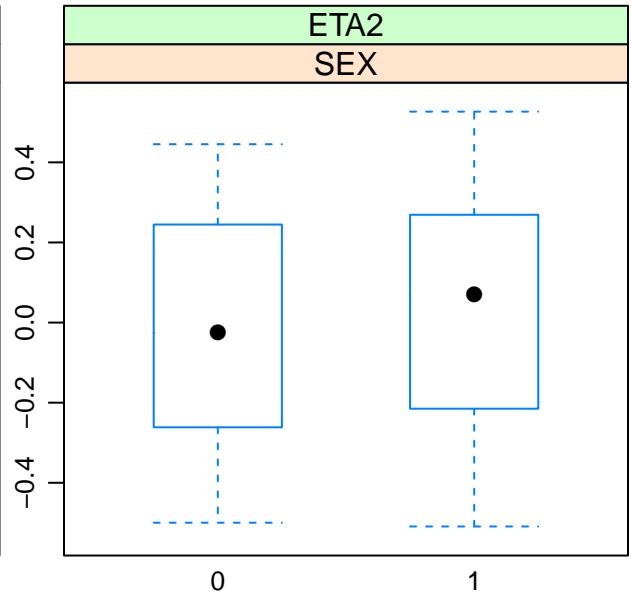
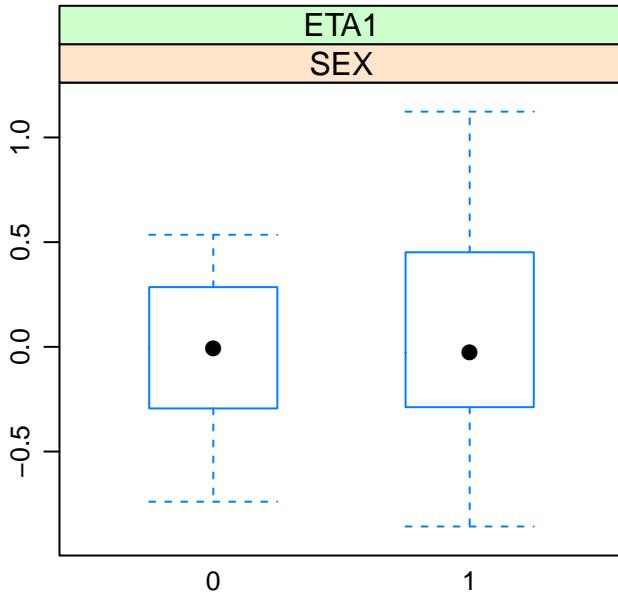
value

Density of Etas



value

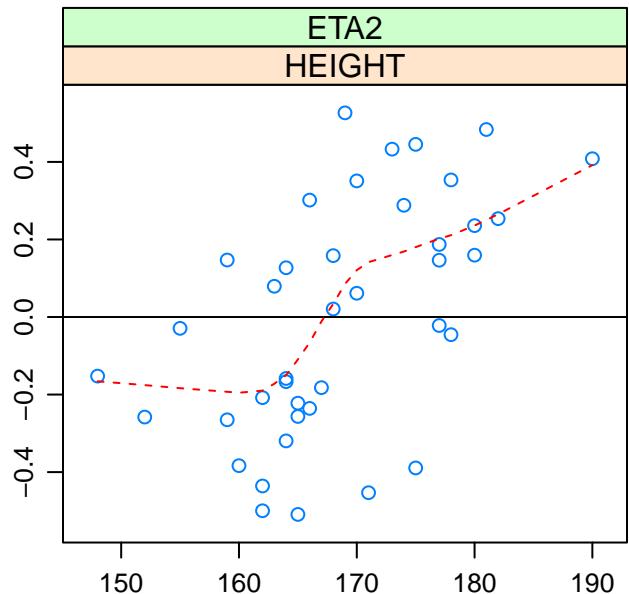
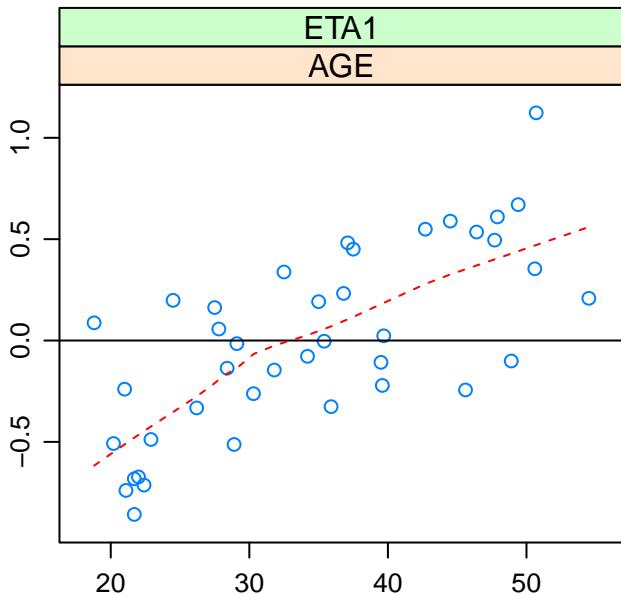
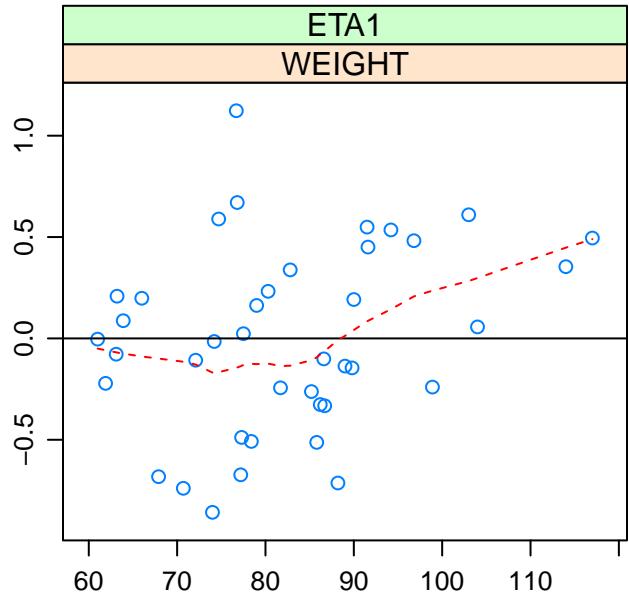
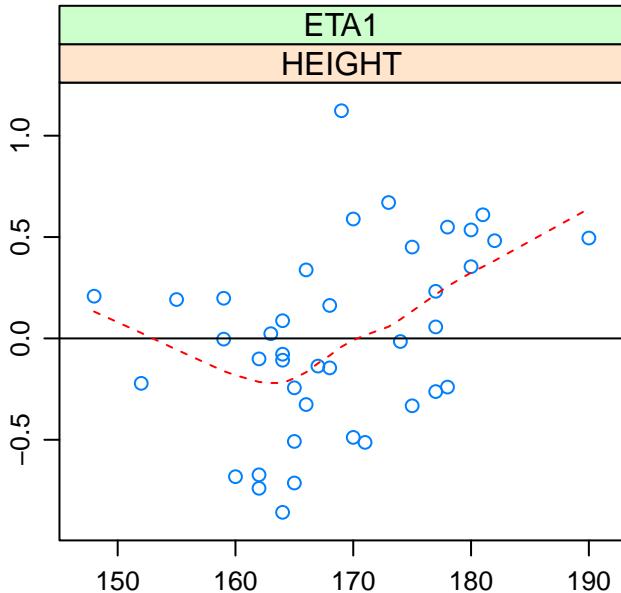
Boxplots of Etas by Categorical Covariate



categorical covariate level

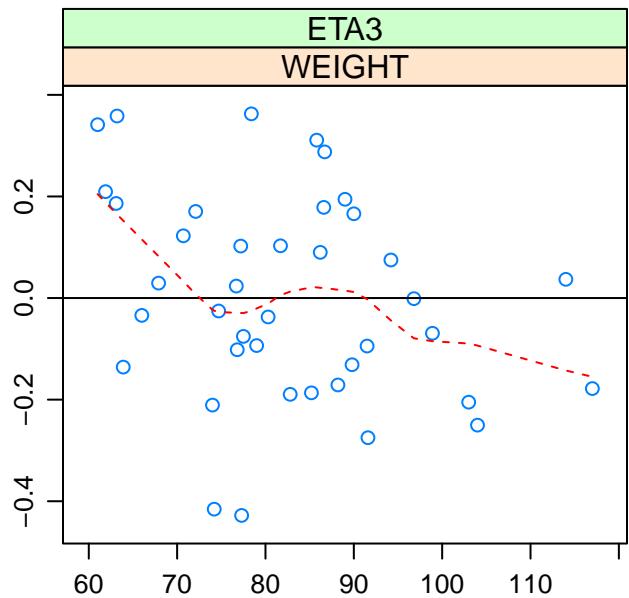
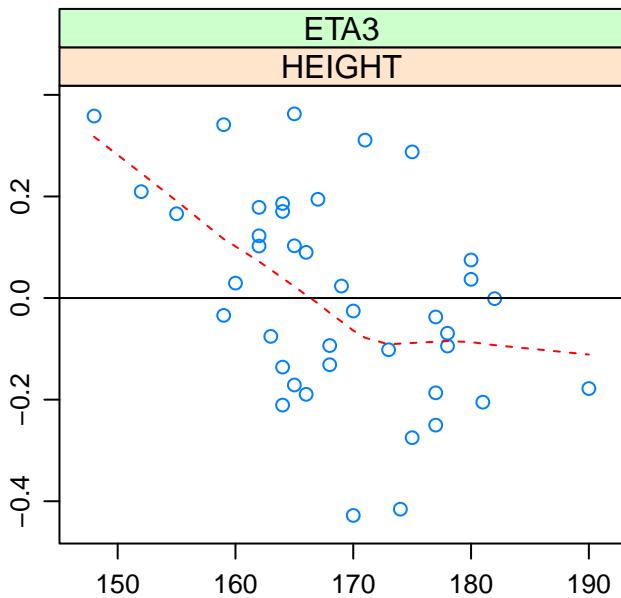
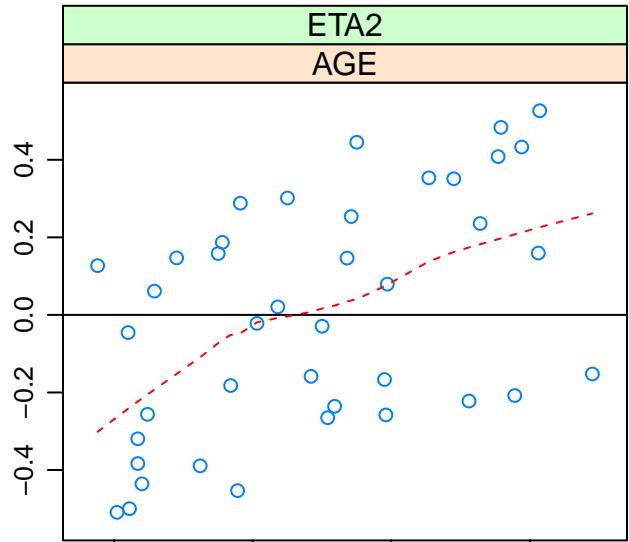
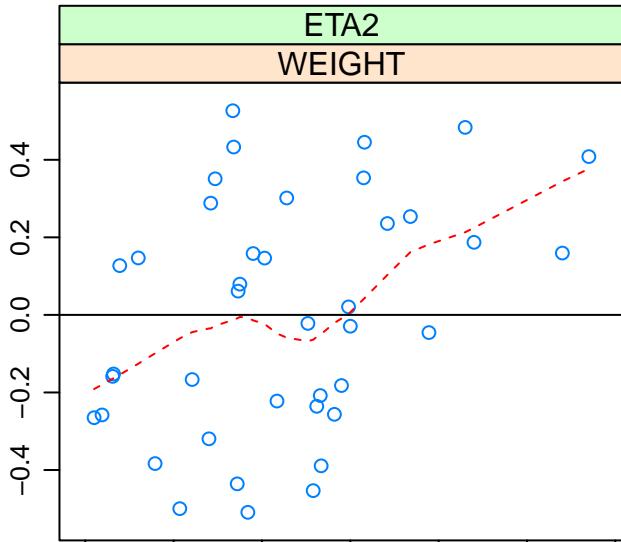
ETA

Etas vs. Continuous Covariates



continuous covariate

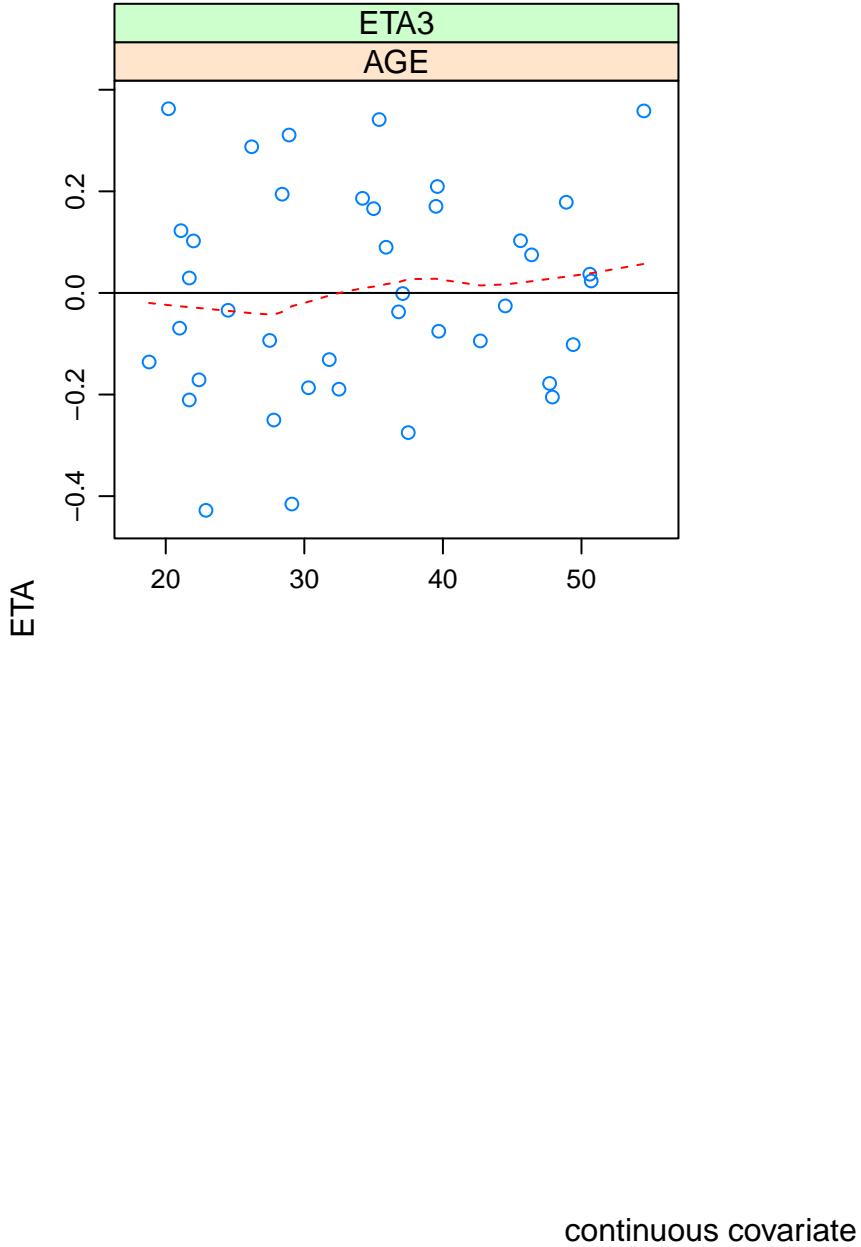
Etas vs. Continuous Covariates



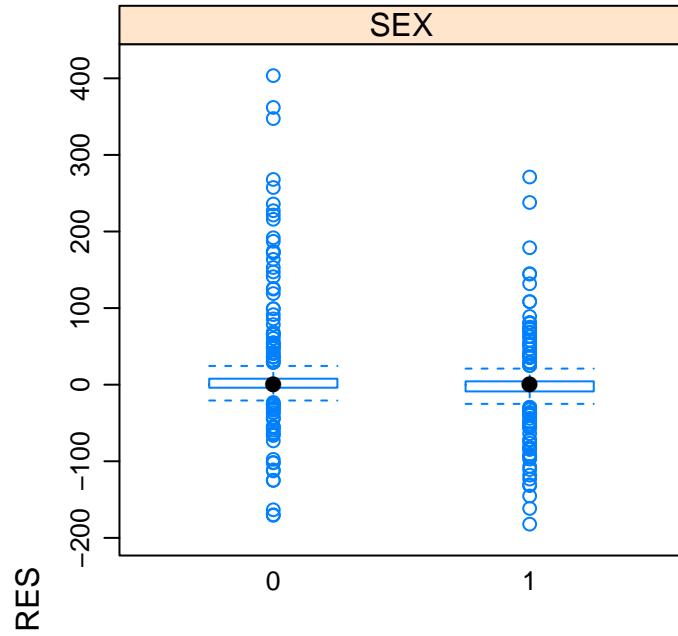
continuous covariate

ETA

Etas vs. Continuous Covariates

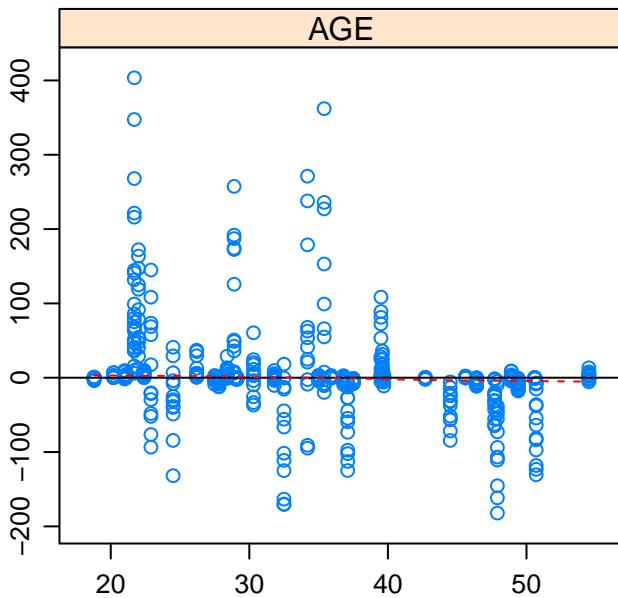
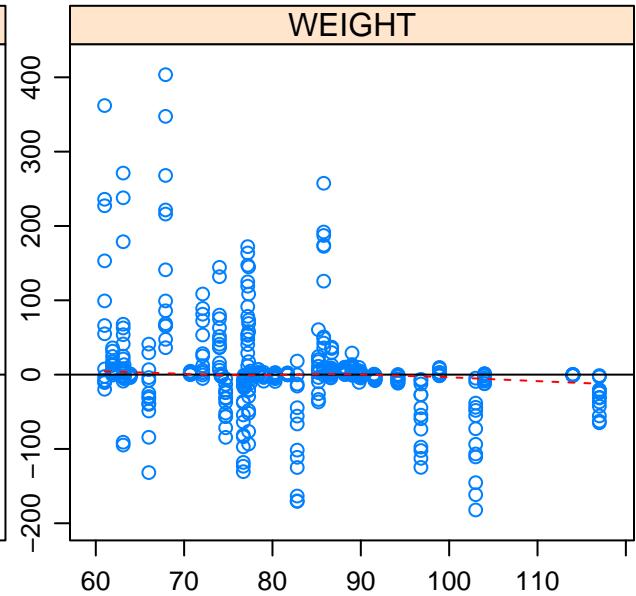
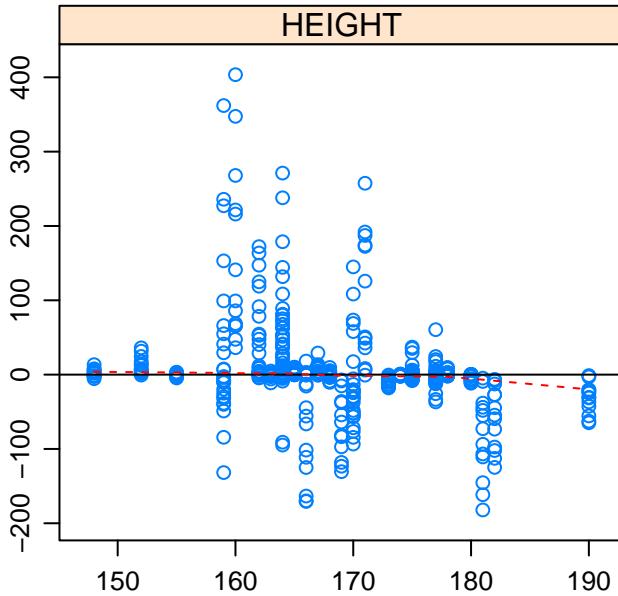


RES vs. Categorical Covariates



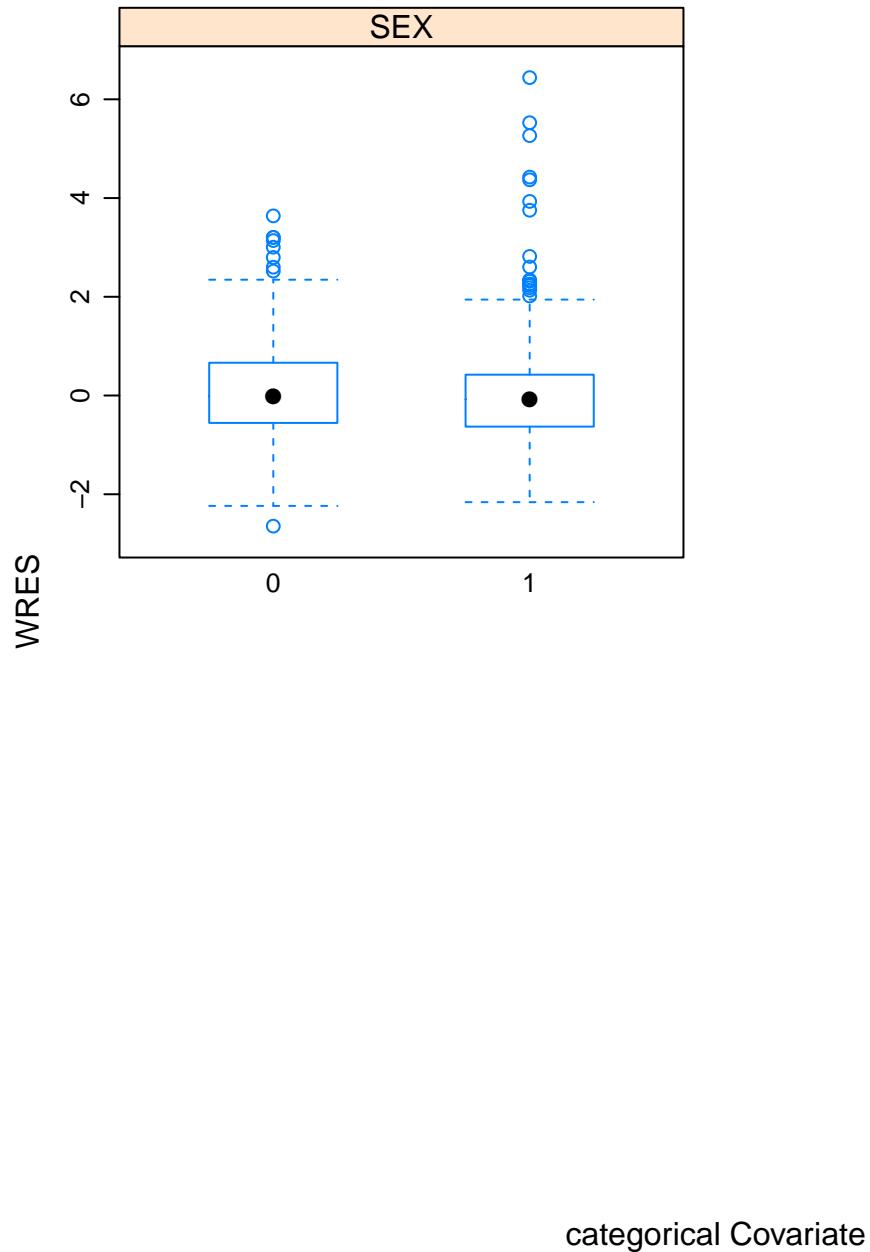
categorical Covariate

RES vs. Continuous Covariates

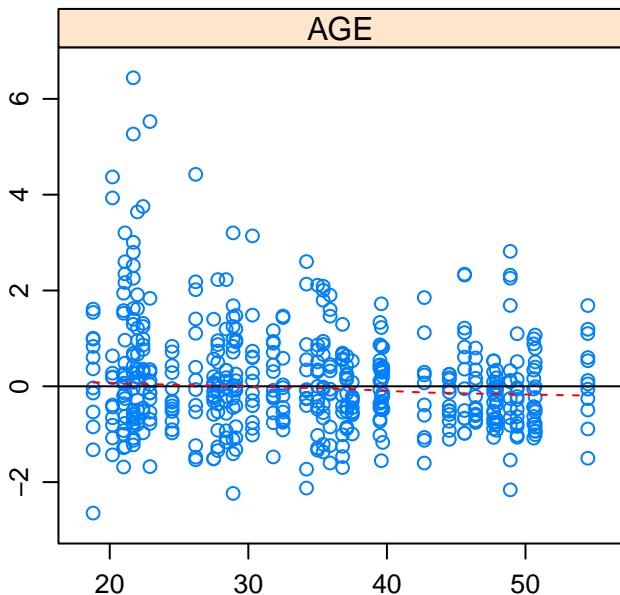
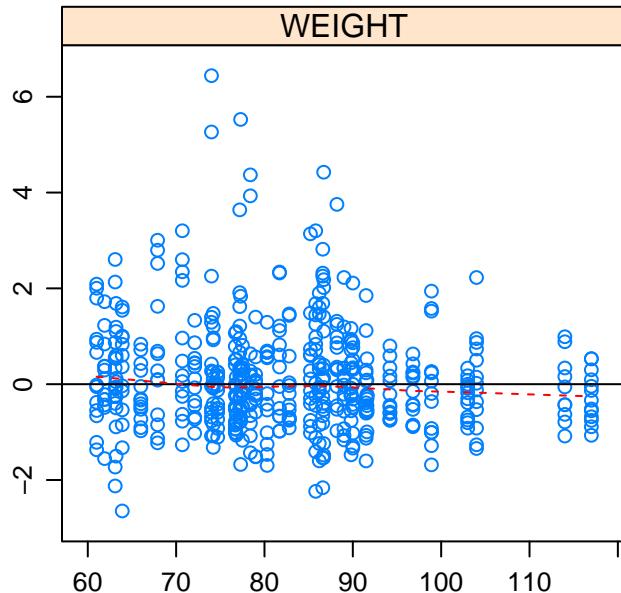
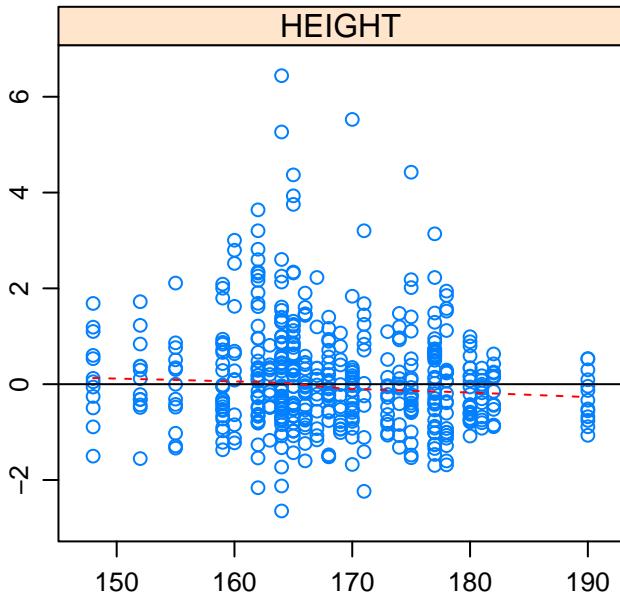


continuous covariate

WRES vs. Categorical Covariates

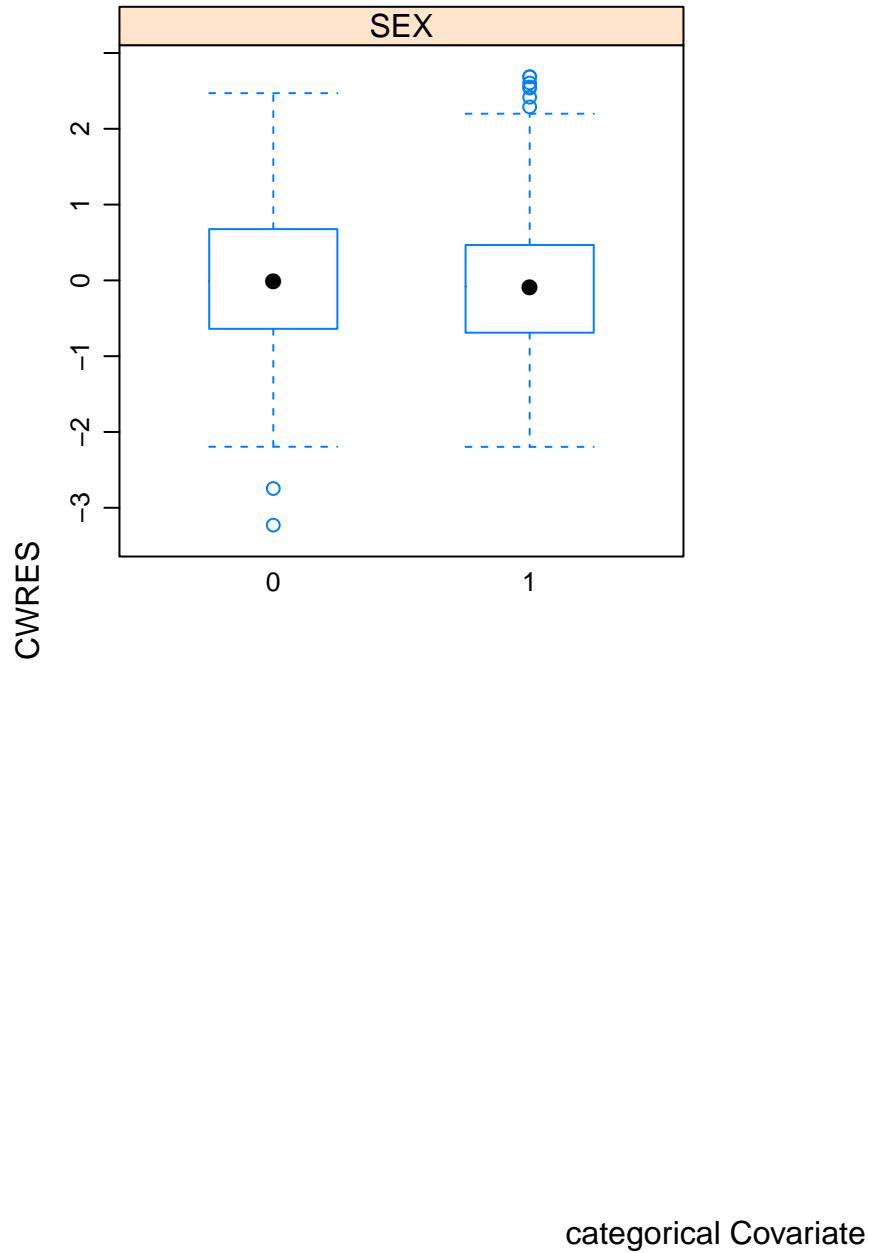


WRES vs. Continuous Covariates

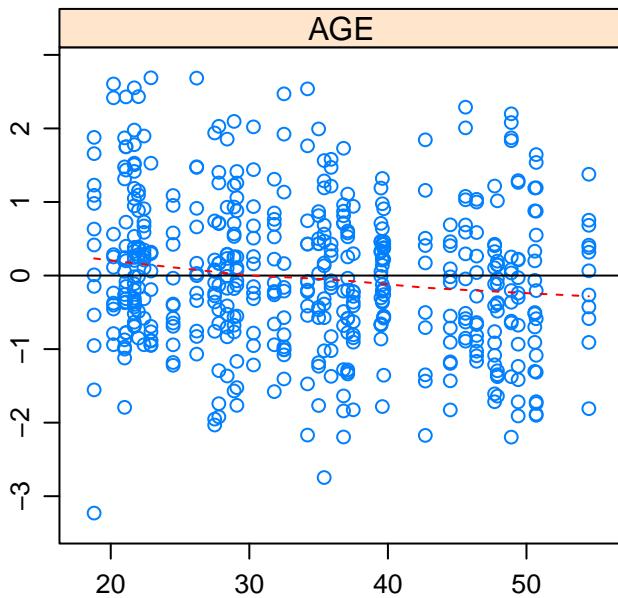
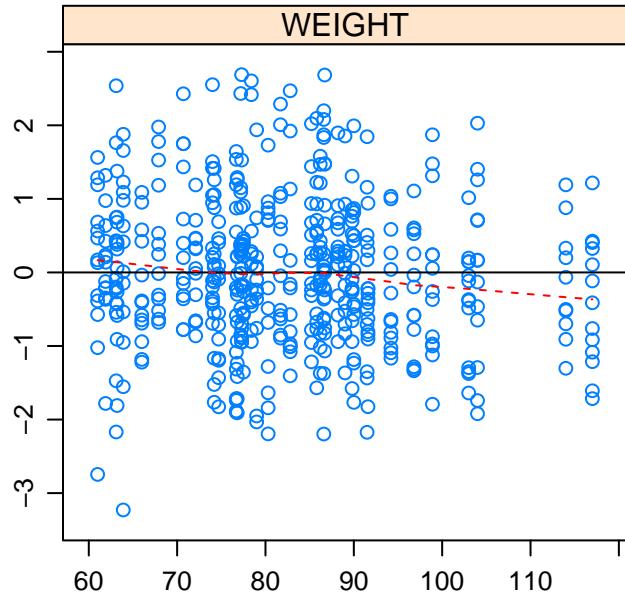
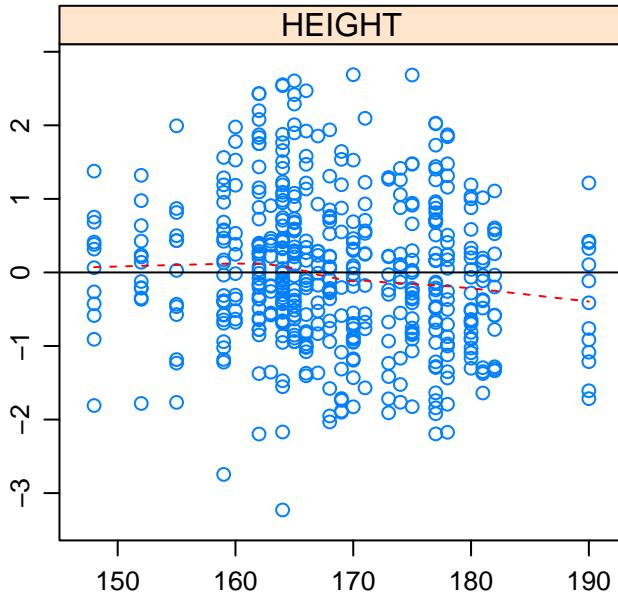


continuous covariate

CWRES vs. Categorical Covariates

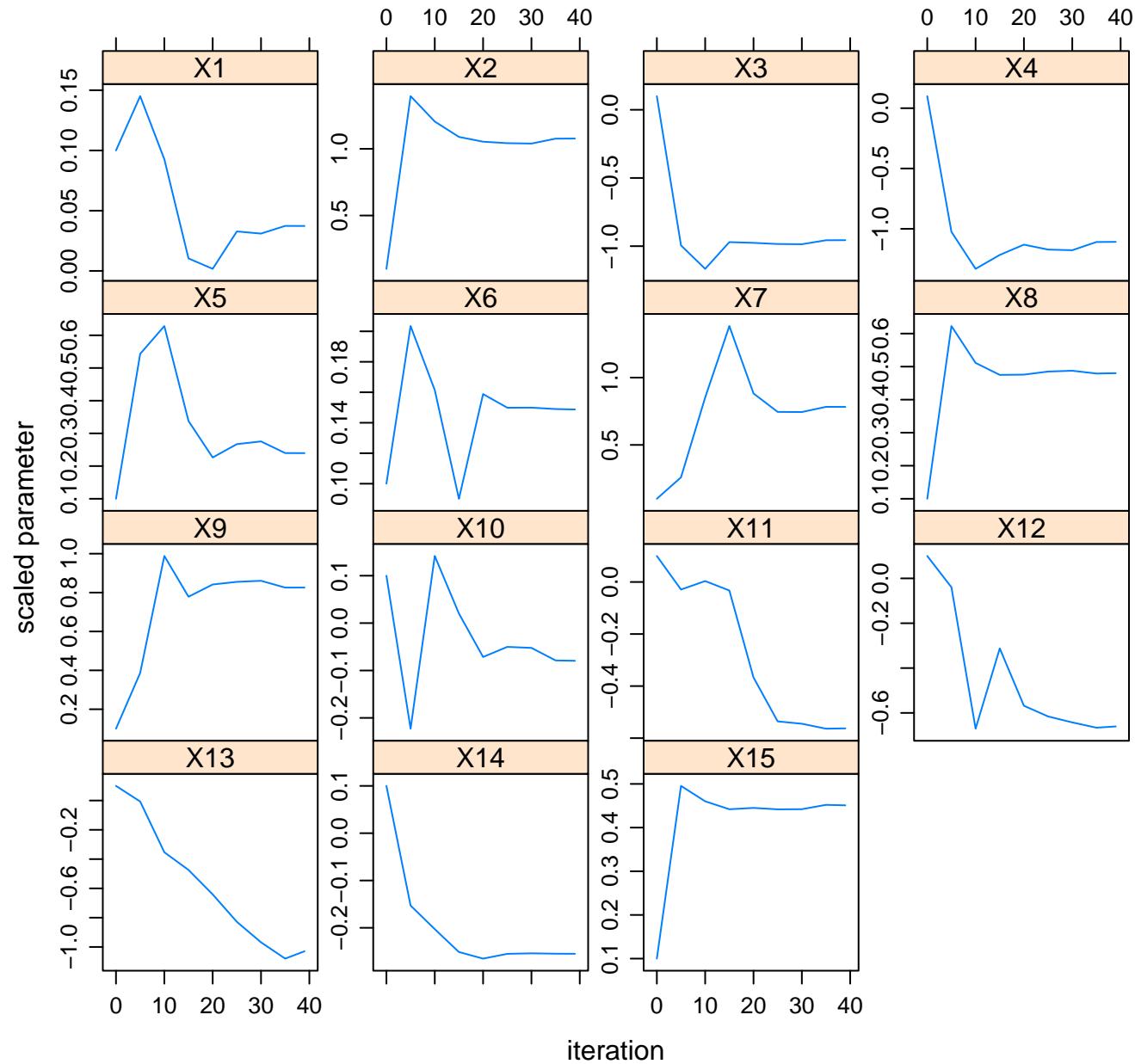


CWRES vs. Continuous Covariates



continuous covariate

Model 1005 parameter search



Model 1005 gradient search

