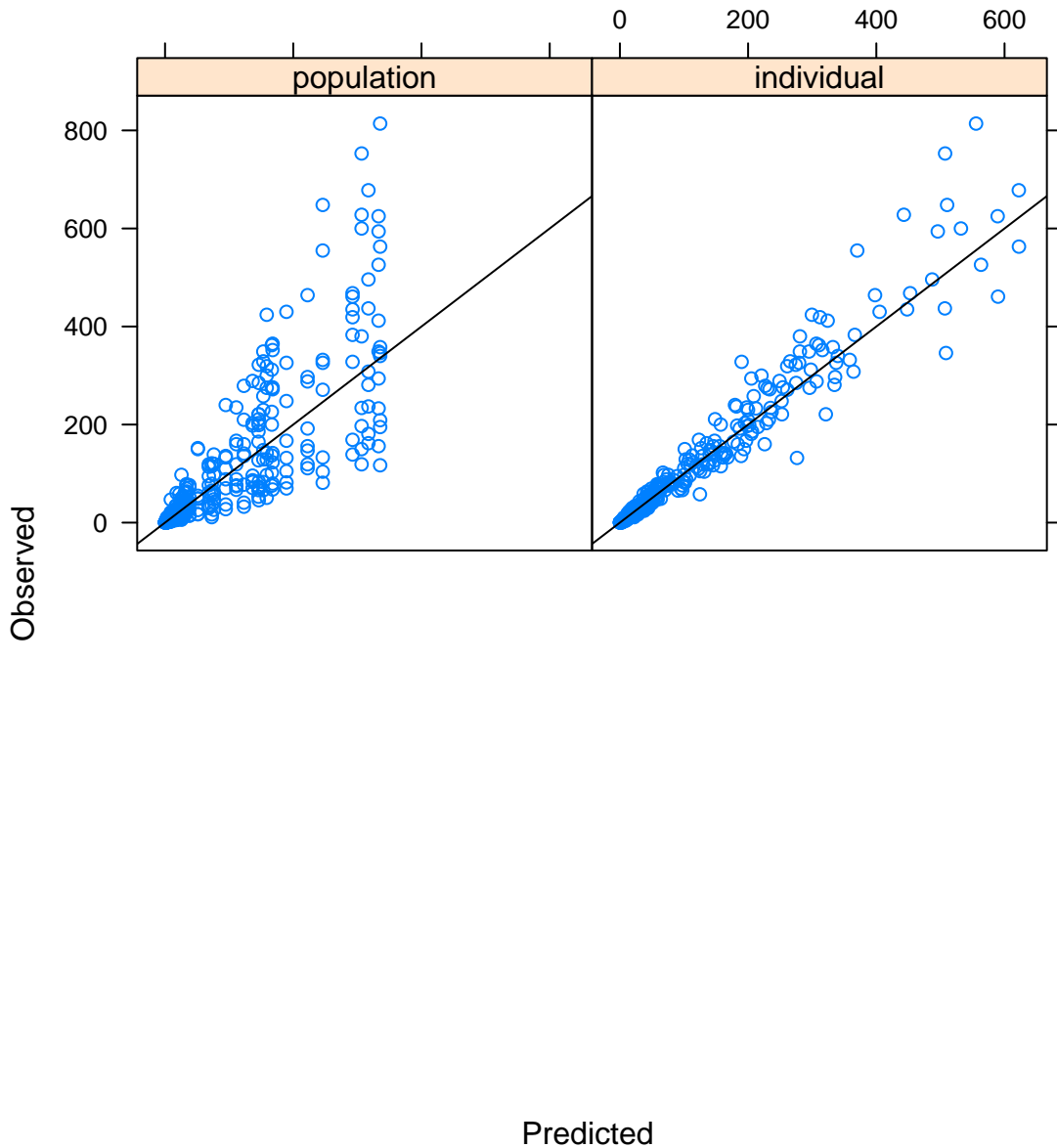


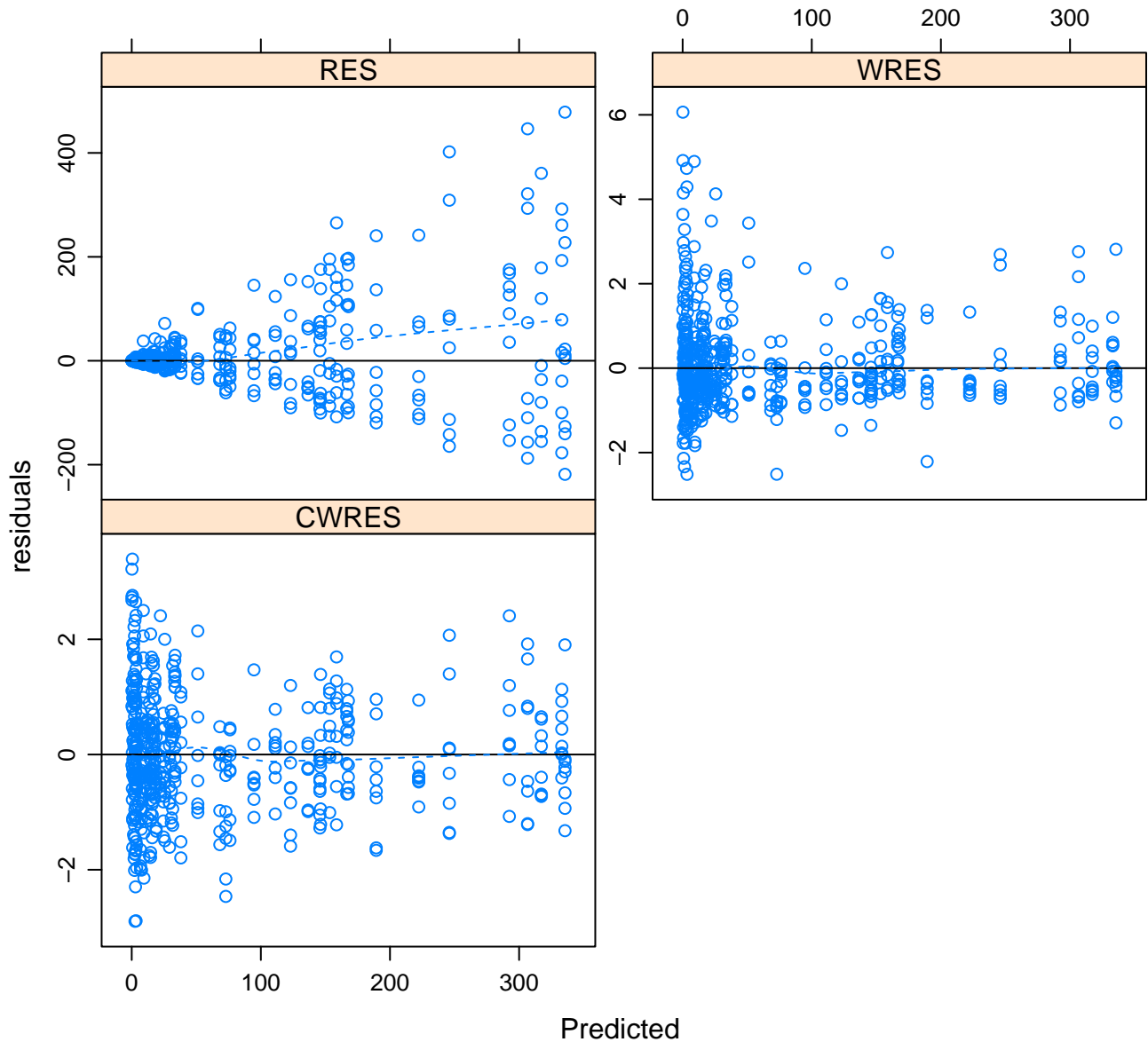
Model 1003

Observed vs. Predicted for all data



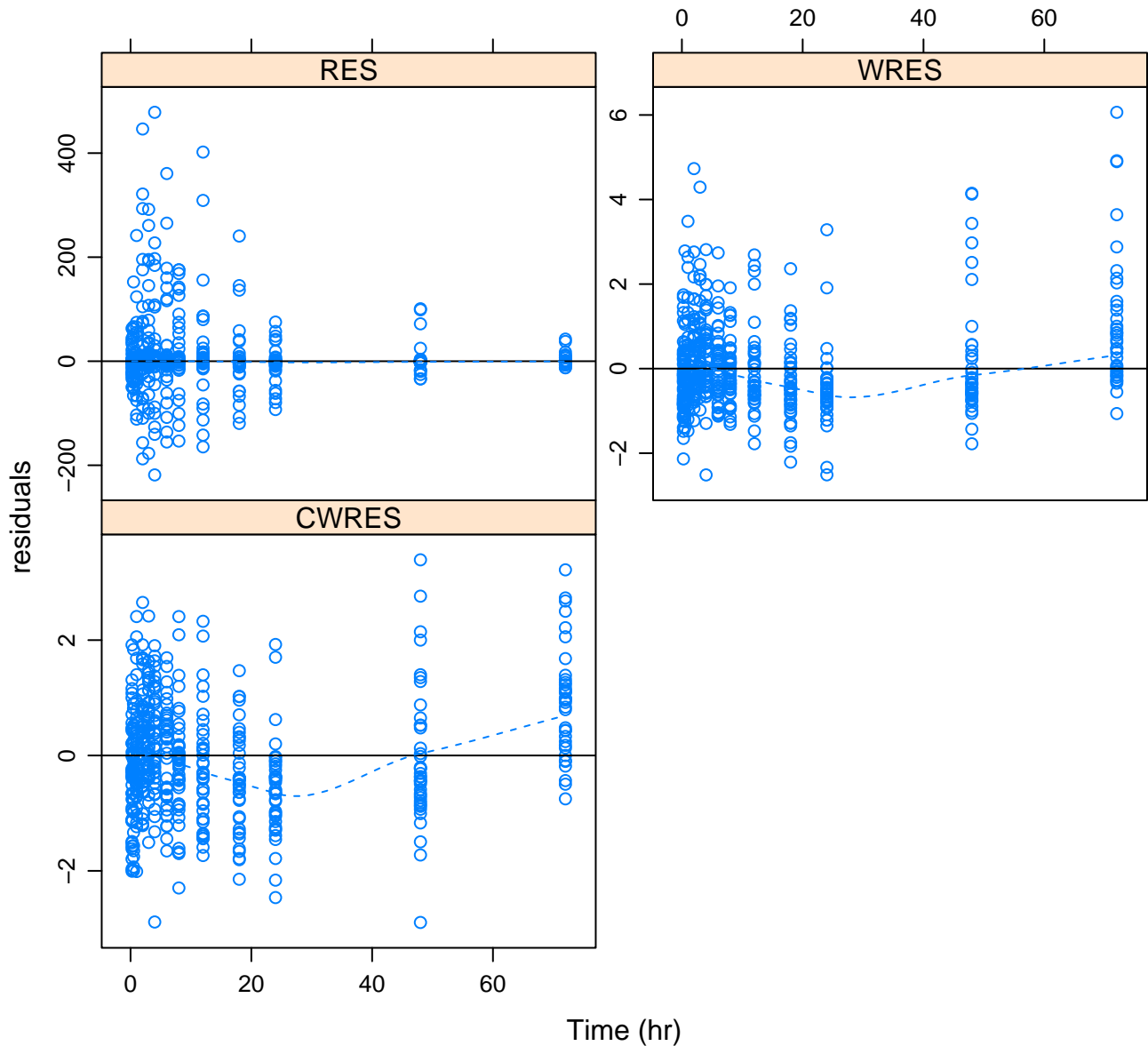
Model 1003

Residuals vs. Predicted for all data



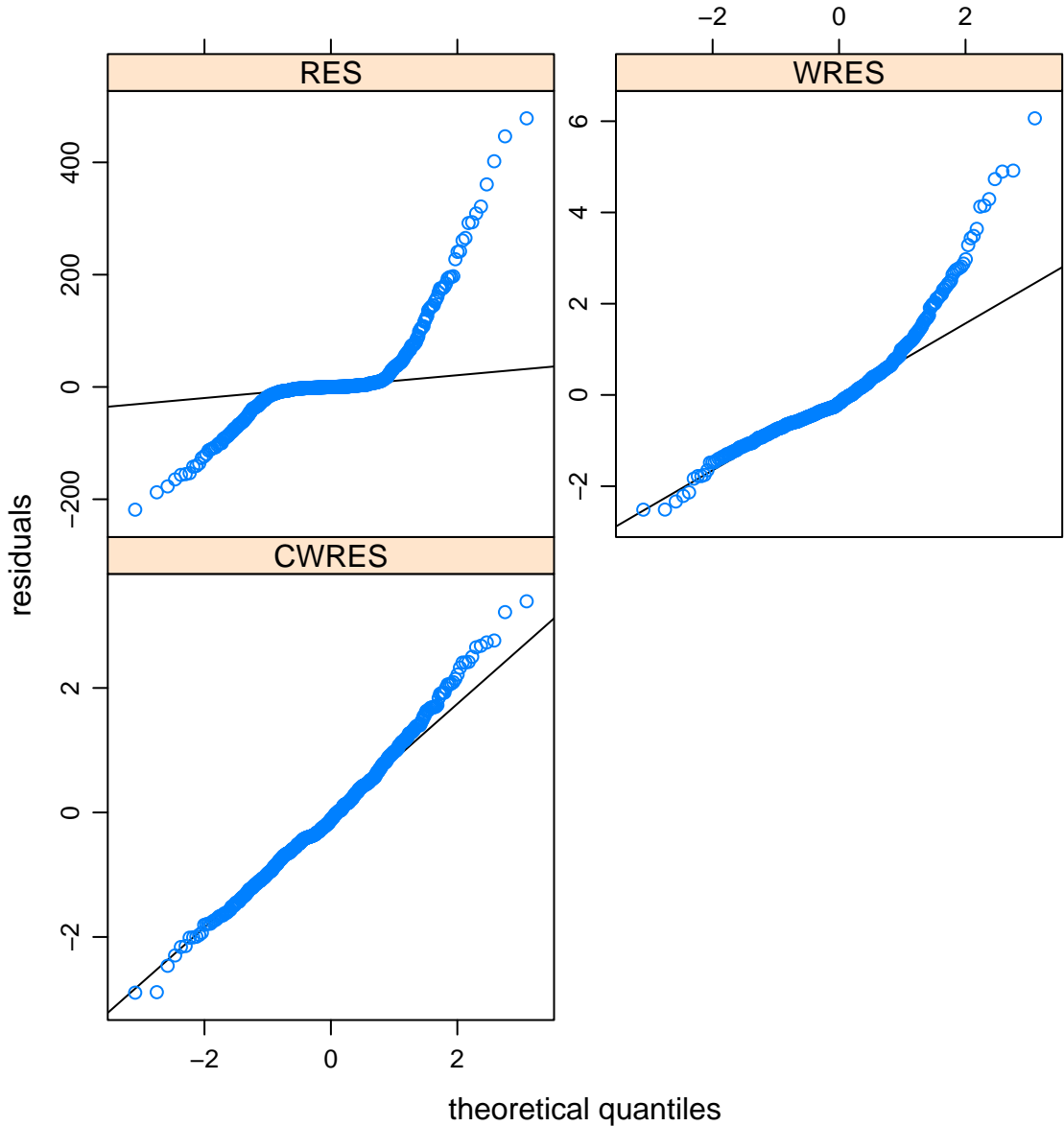
Model 1003

Residuals vs. Time for all data

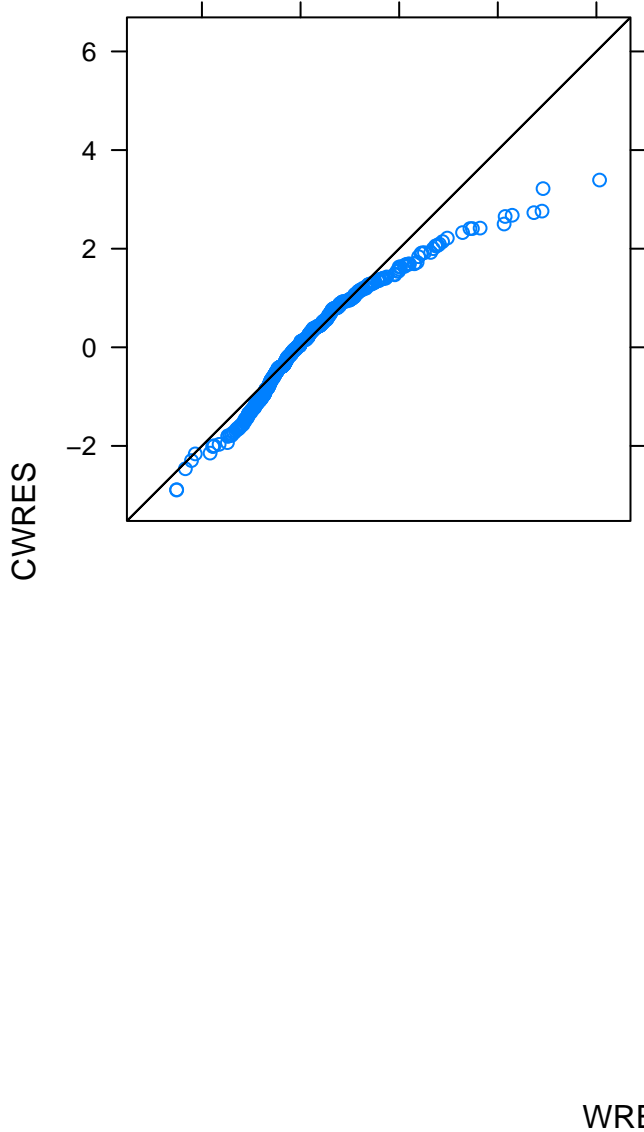


Model 1003

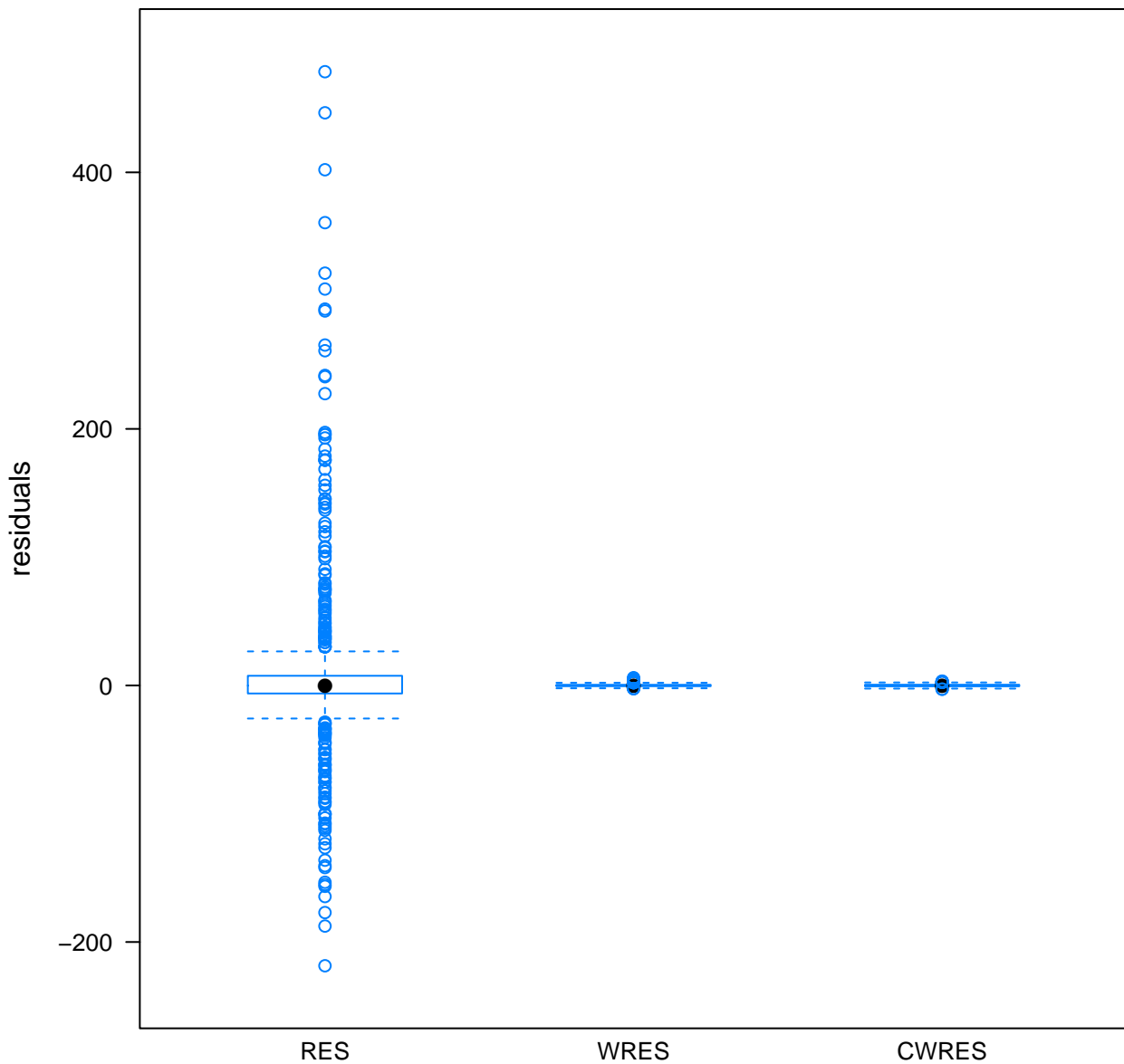
Normal Q-Q Plot Residuals for all data



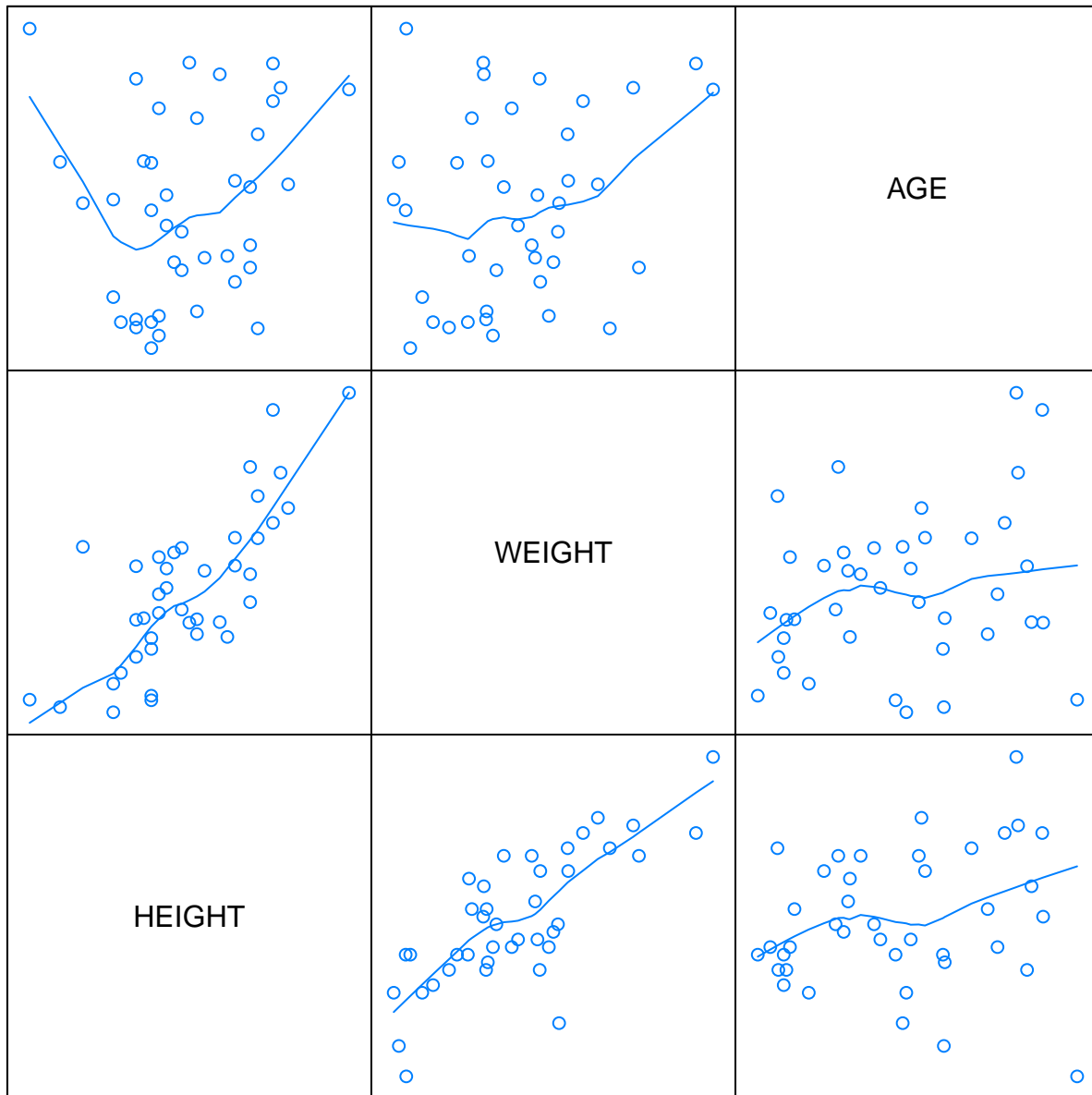
Model 1003
Q-Q Plot of CWRES vs. WRES for all data



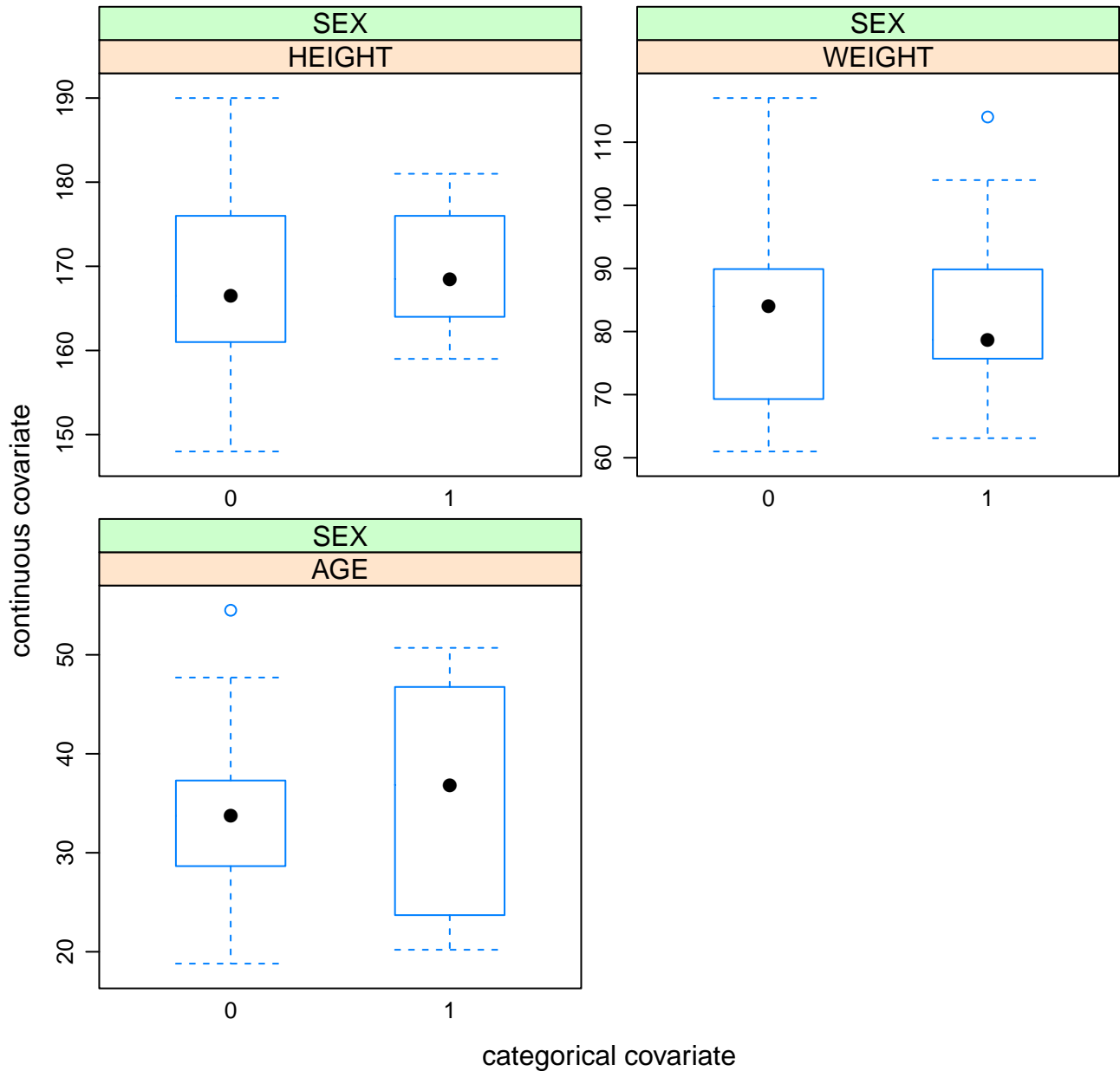
Model 1003 Boxplots of Residuals



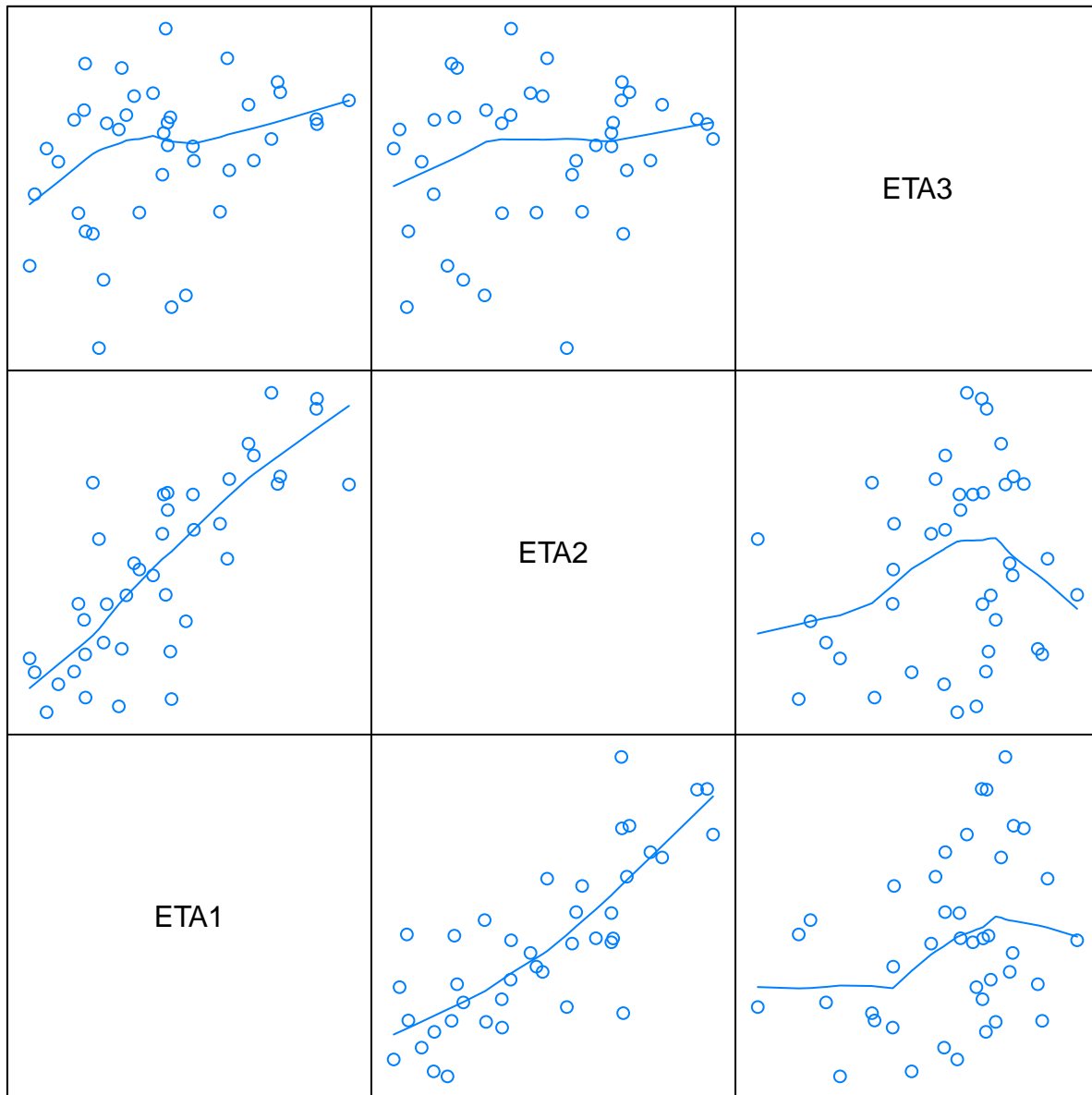
Covariate Scatterplots



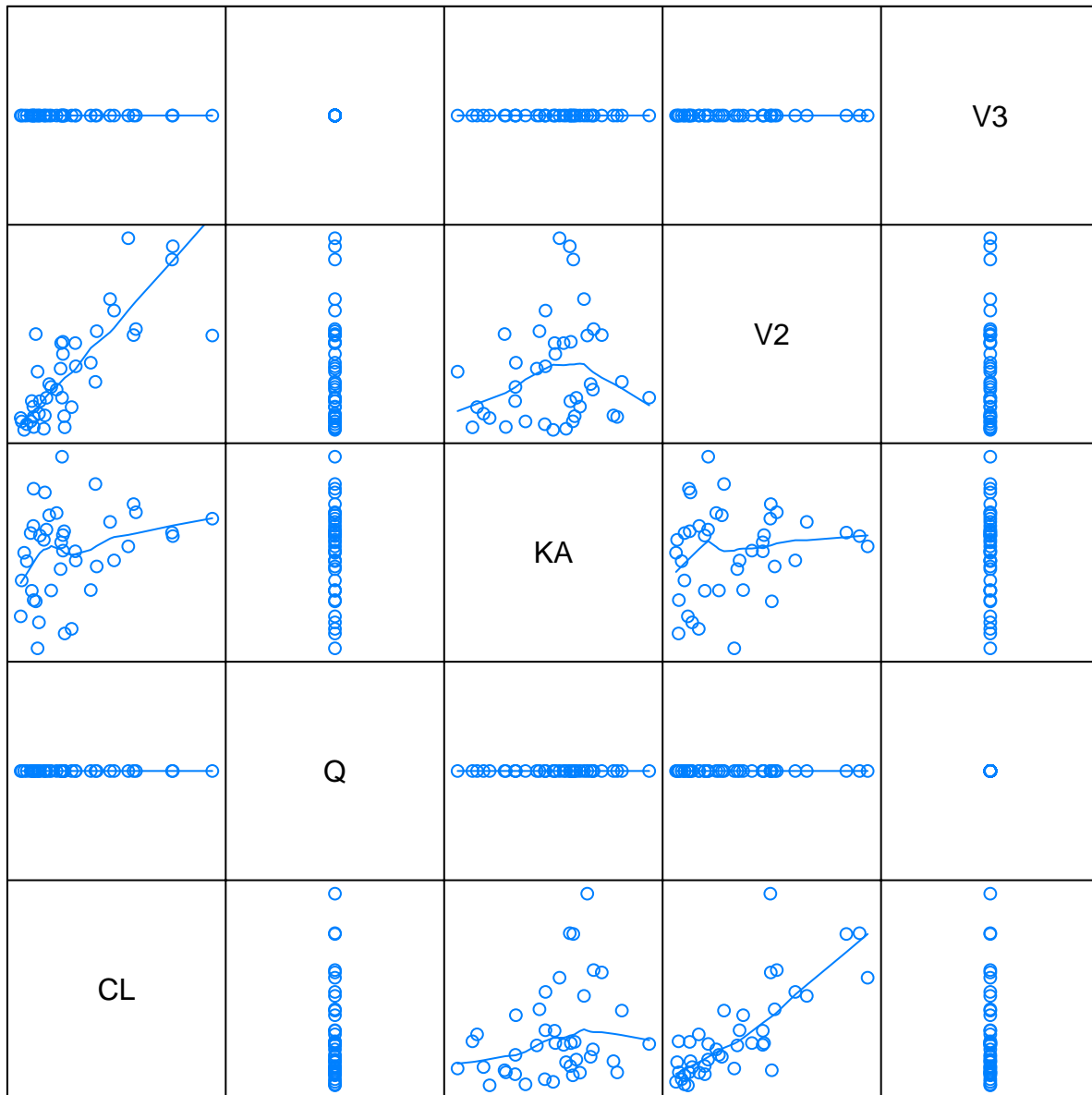
Continuous Covariates vs. Categorical Covariates



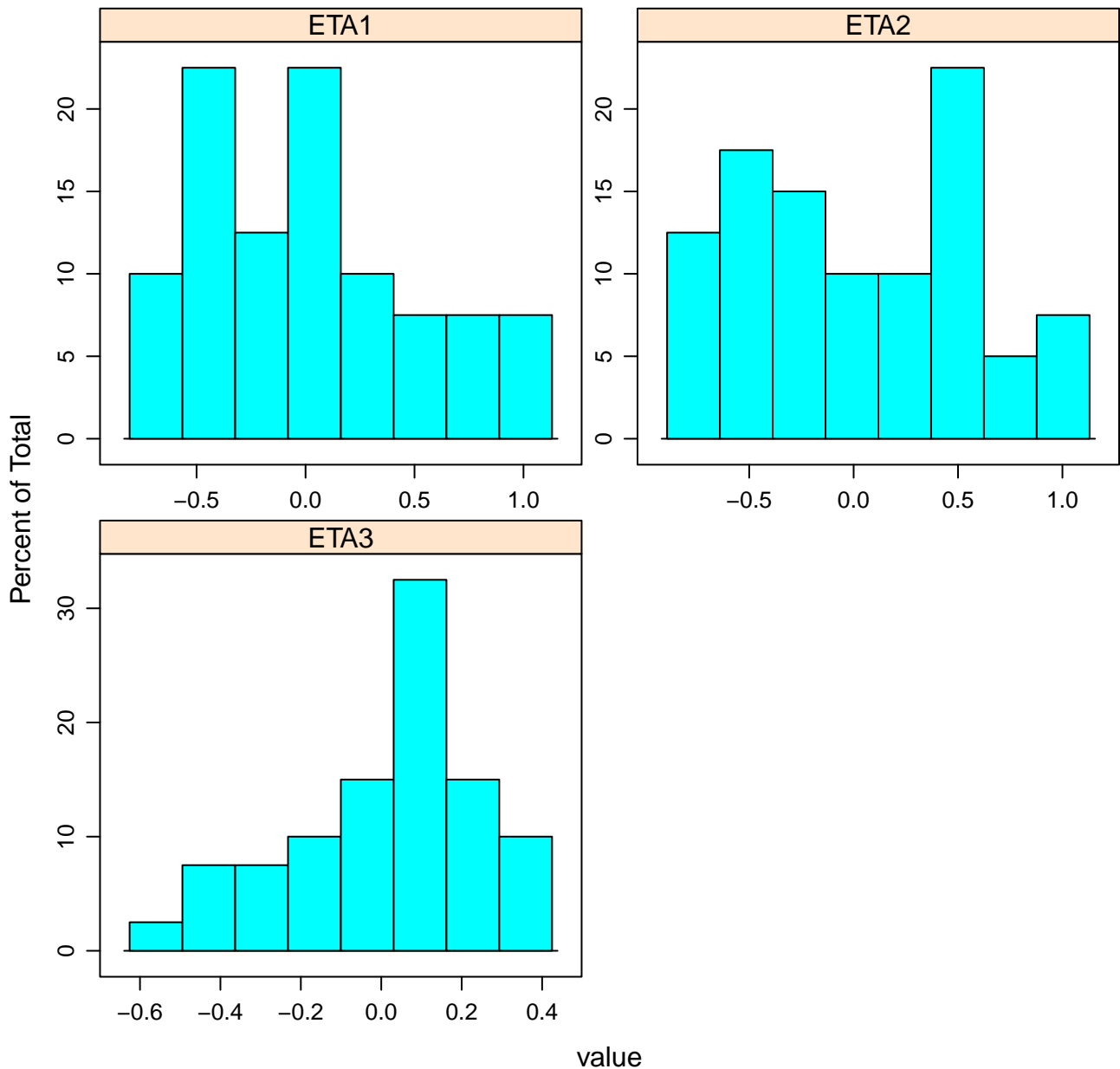
ETA Scatterplots



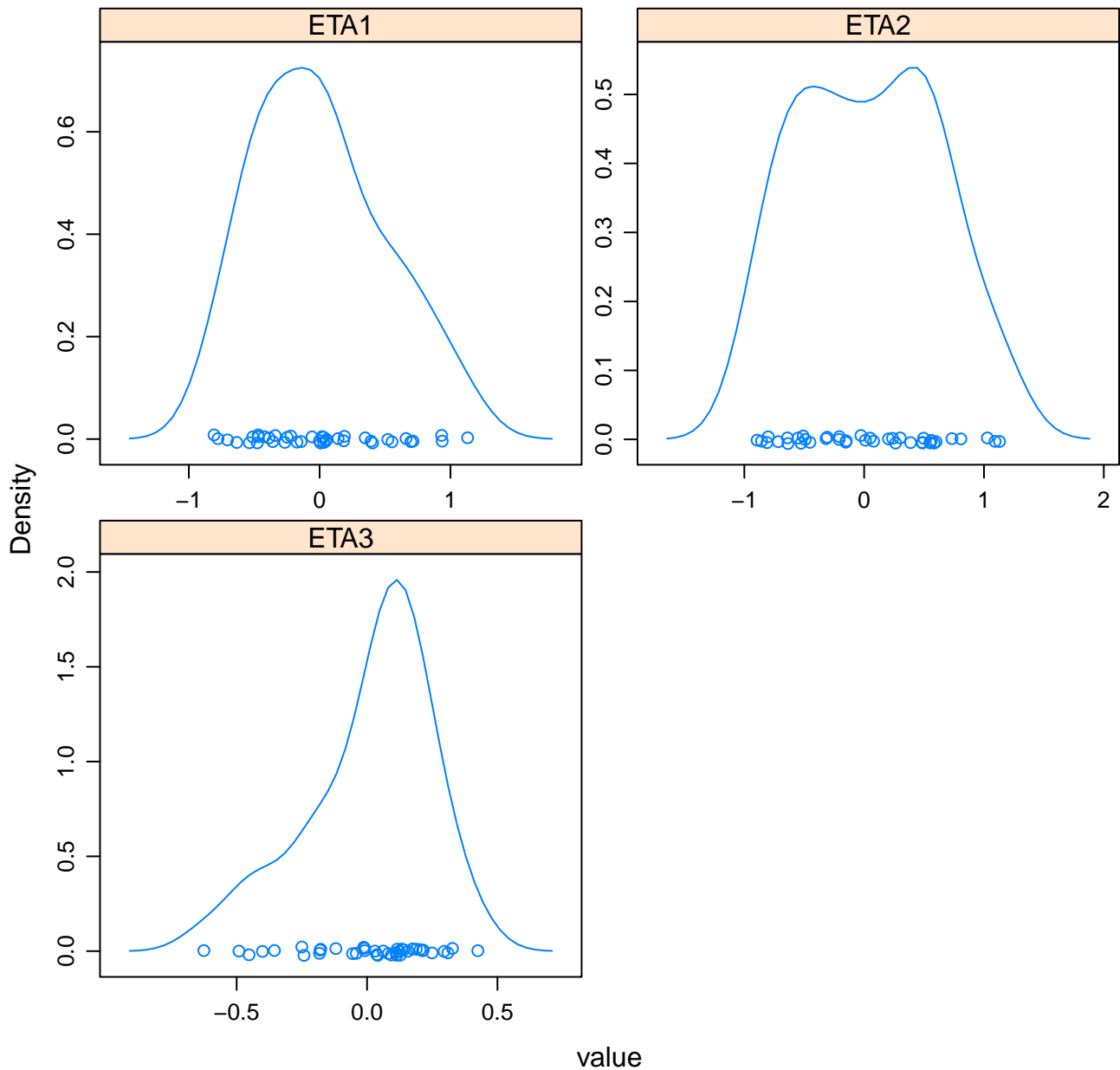
Parameter Scatterplots



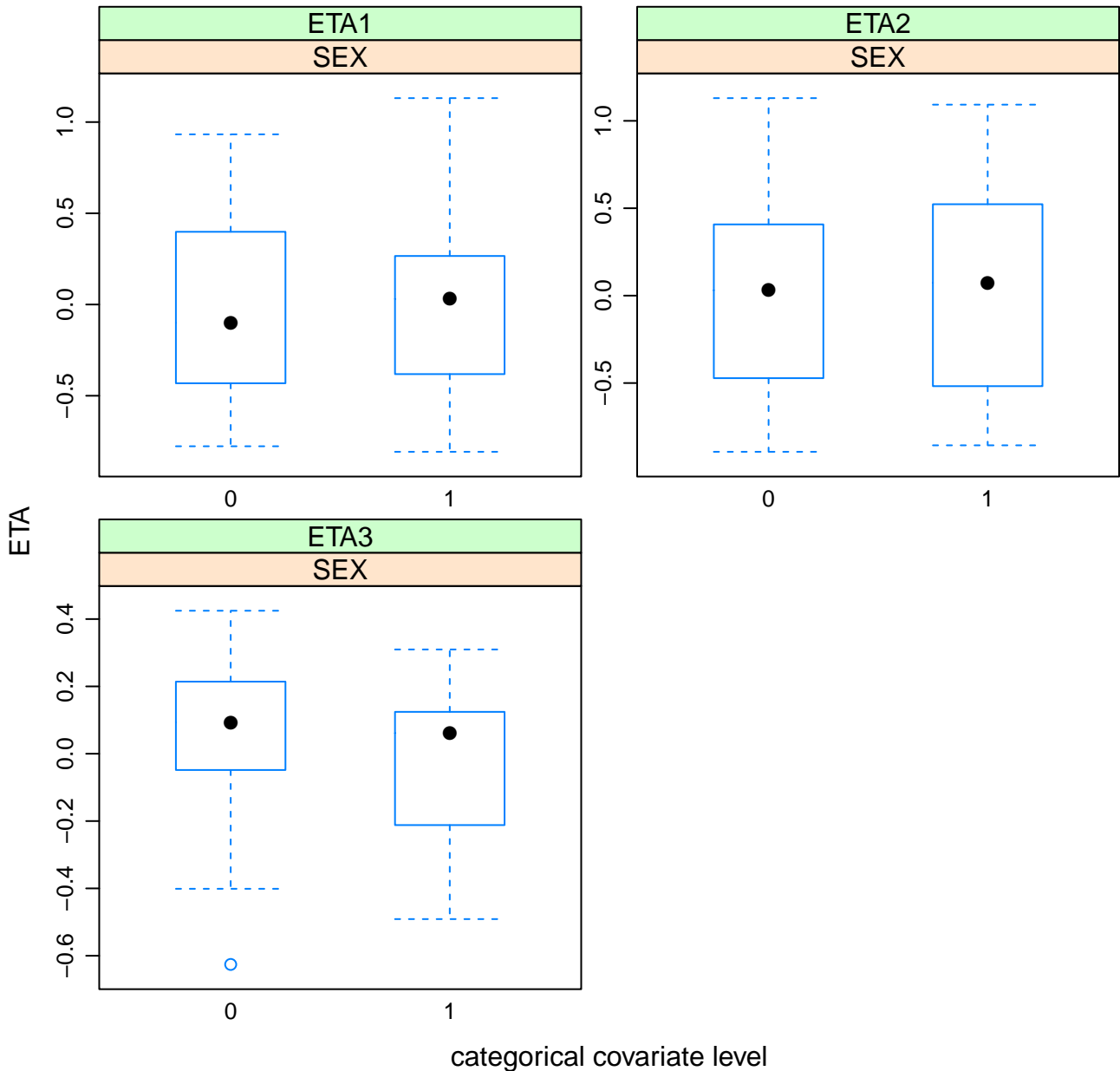
Histograms of Etas



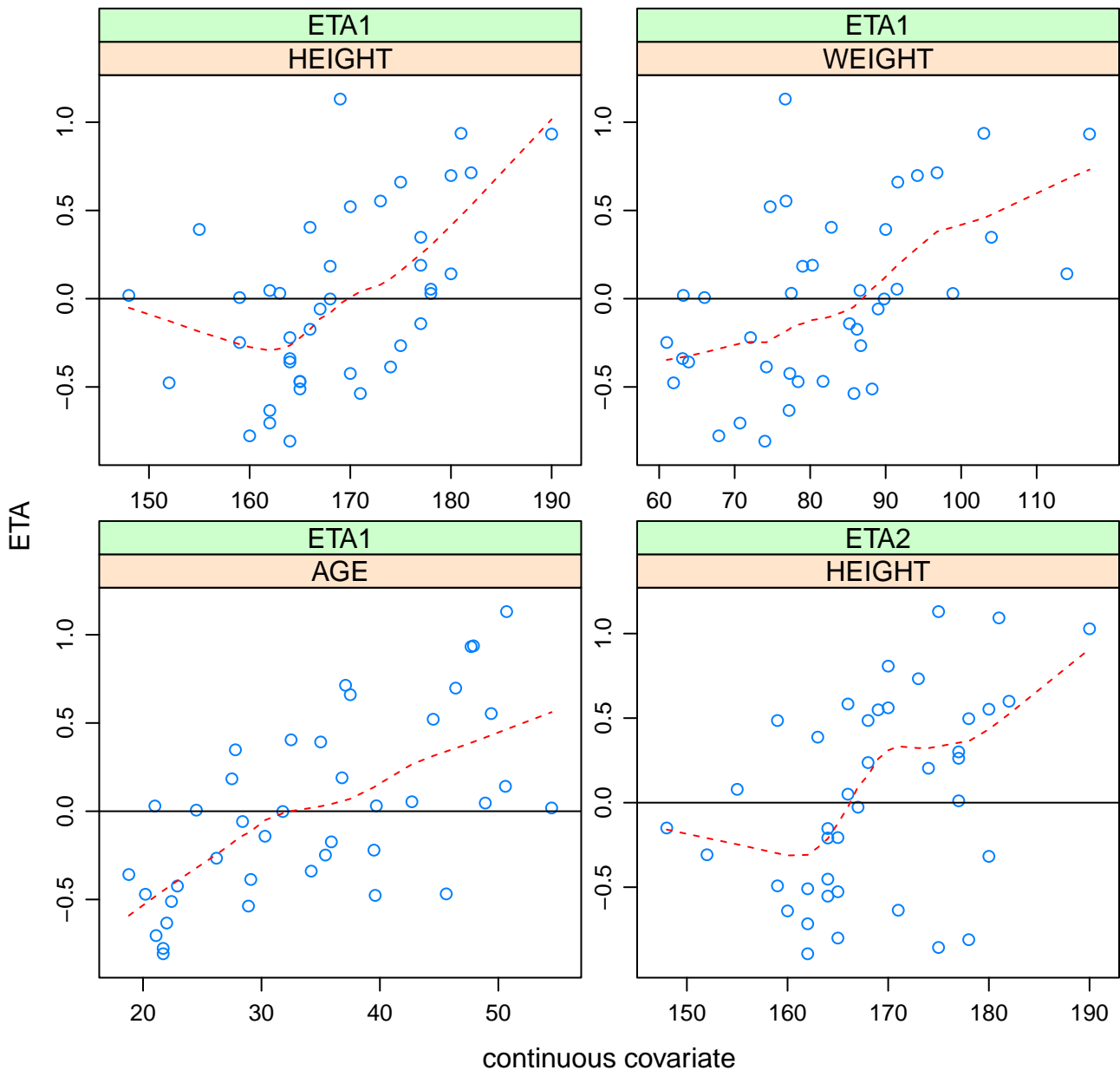
Density of Etas



Boxplots of Etas by Categorical Covariate

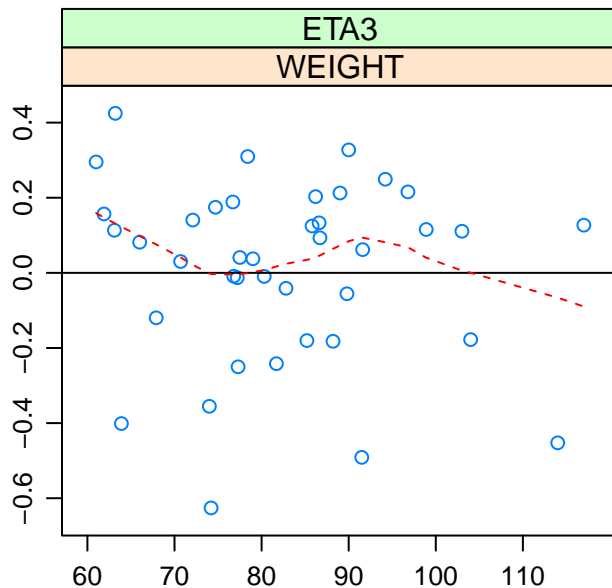
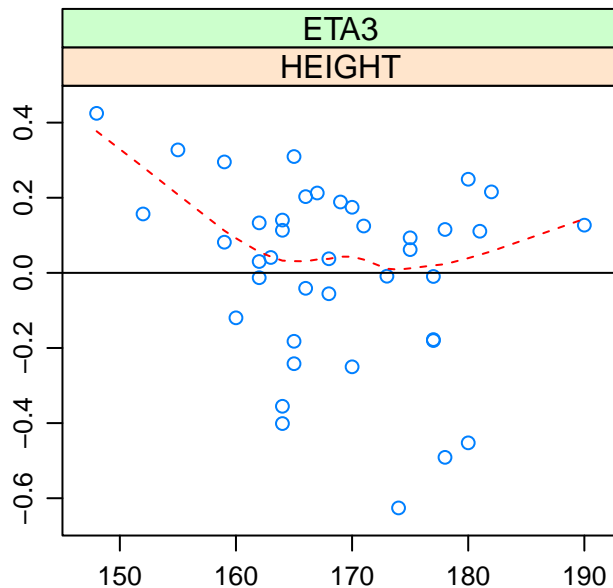
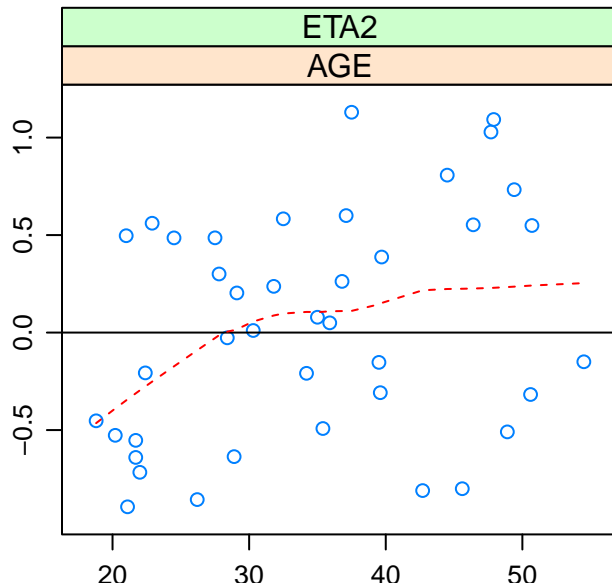
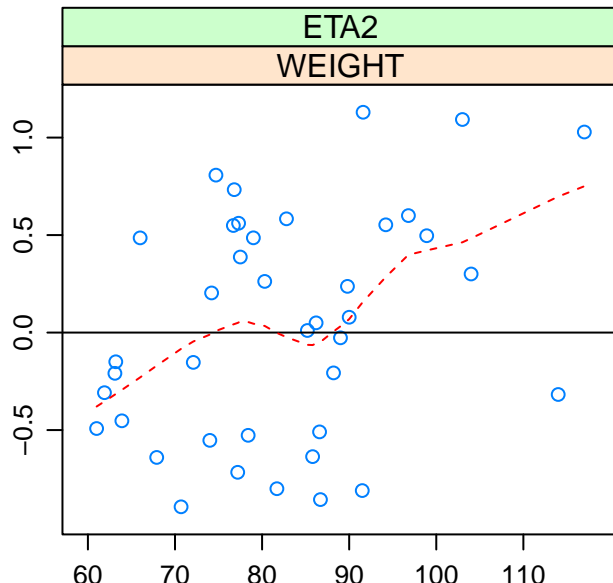


Etas vs. Continuous Covariates



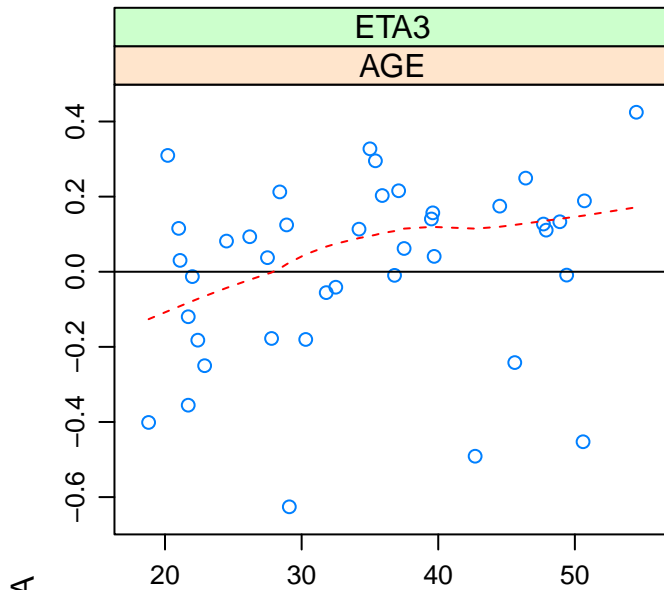
Etas vs. Continuous Covariates

ETA



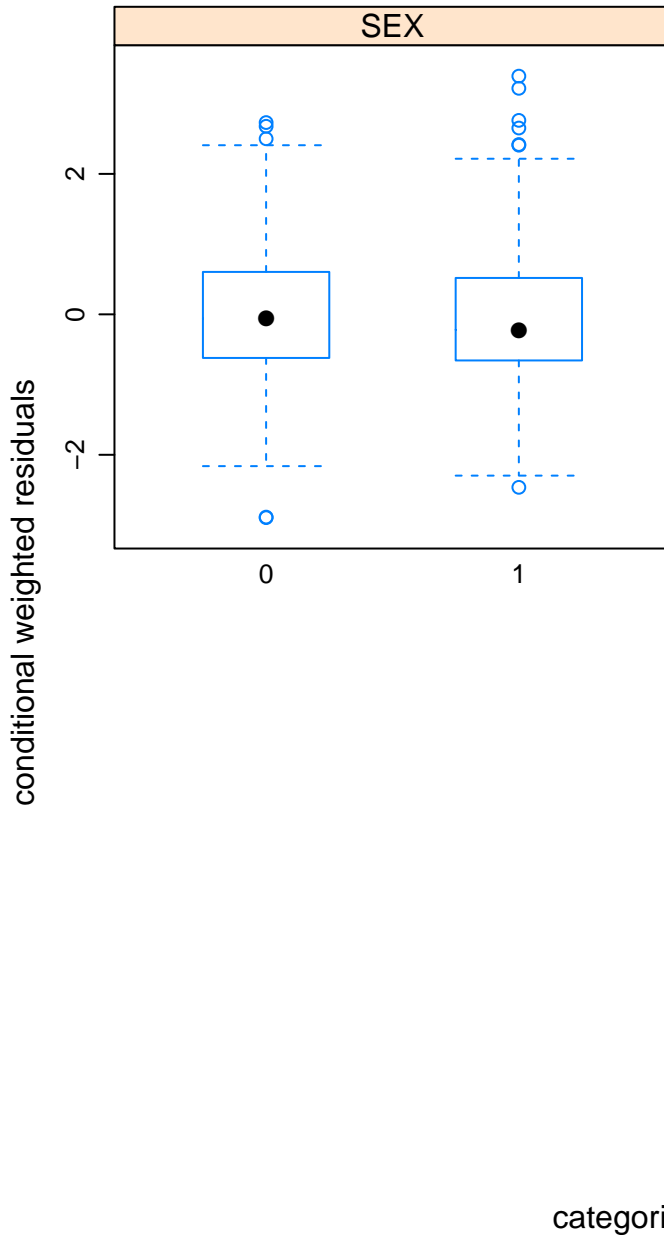
continuous covariate

Etas vs. Continuous Covariates

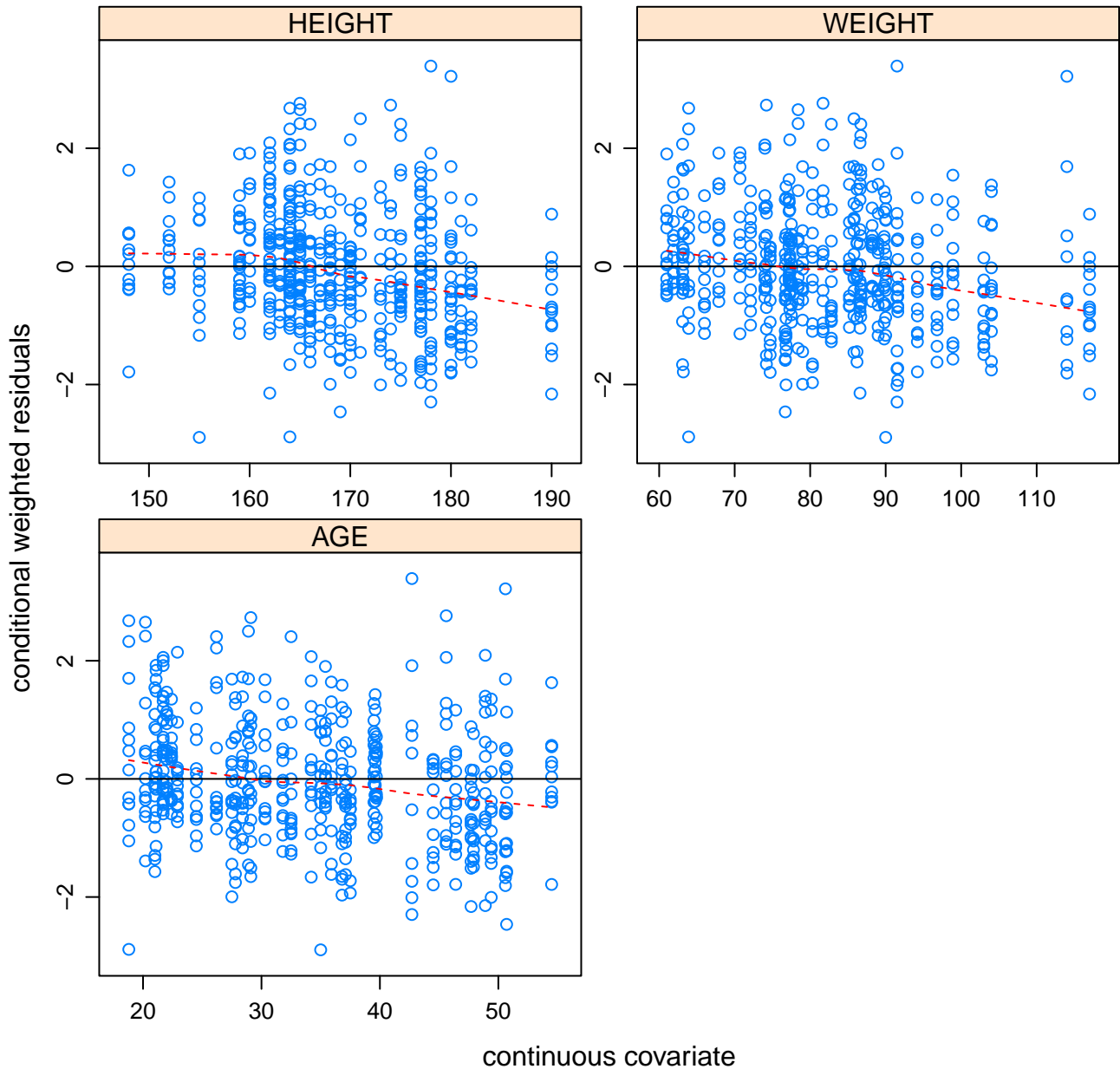


continuous covariate

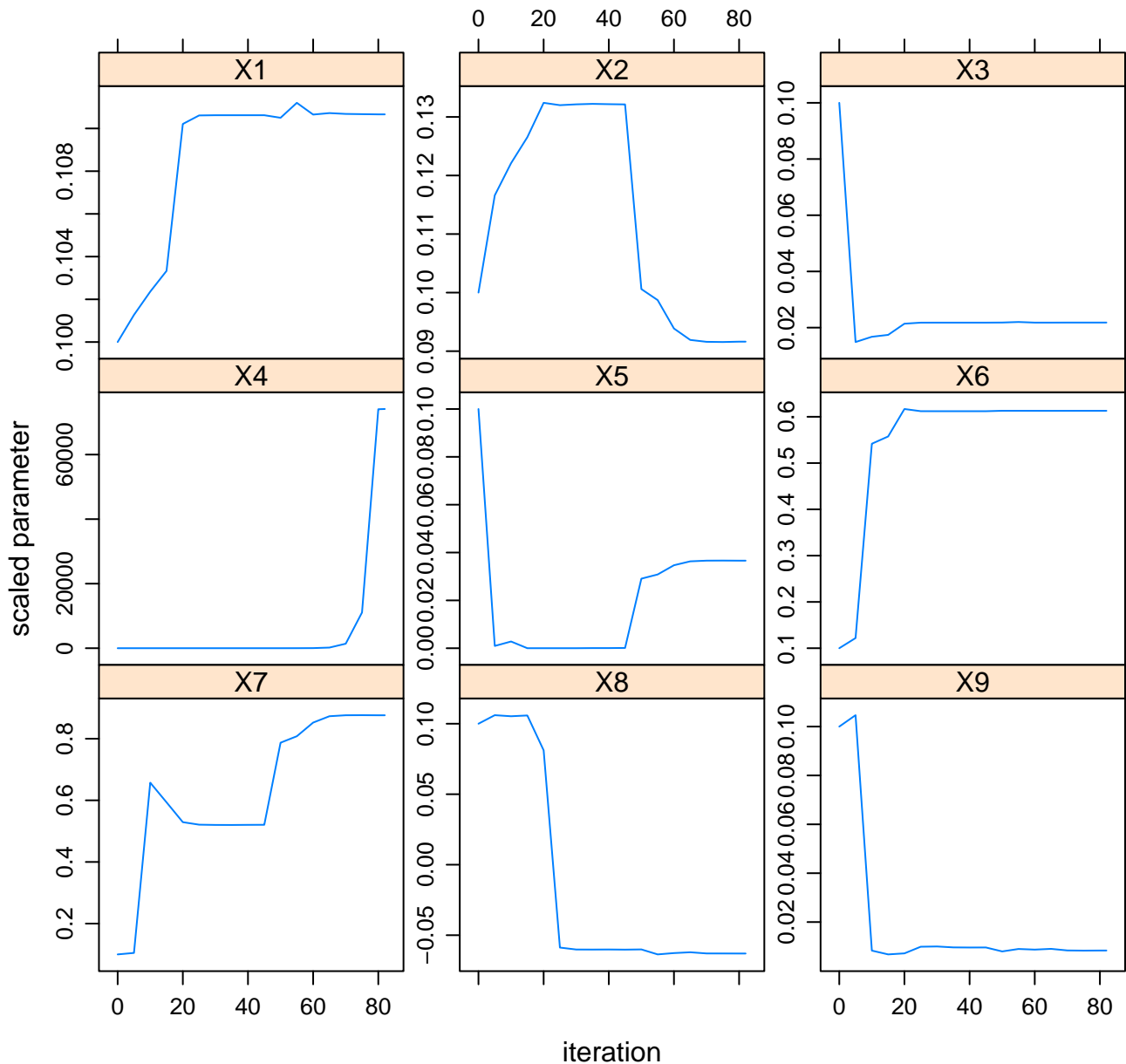
CWRES vs. Categorical Covariates



CWRES vs. Continuous Covariates



Model 1003 parameter search



Model 1003 gradient search

