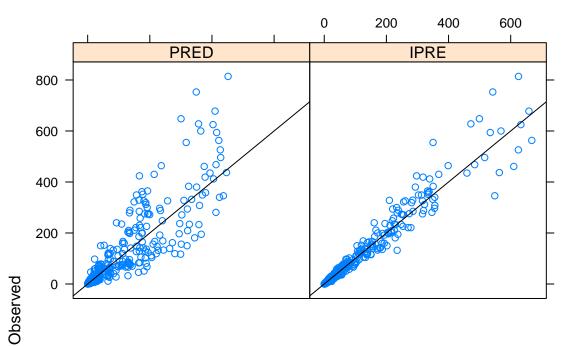
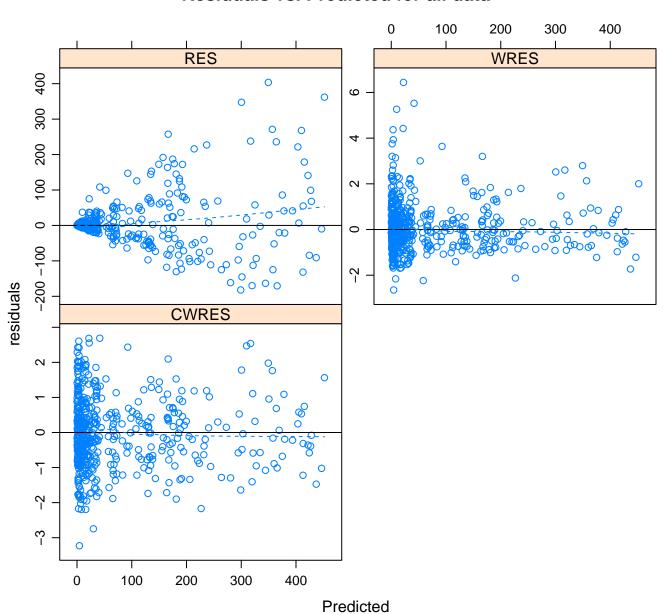
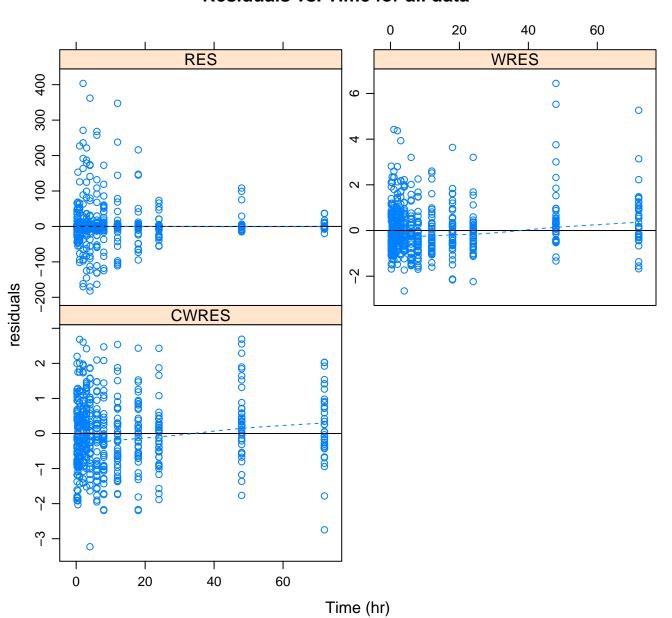
Model 1005 Observed vs. Predicted for all data



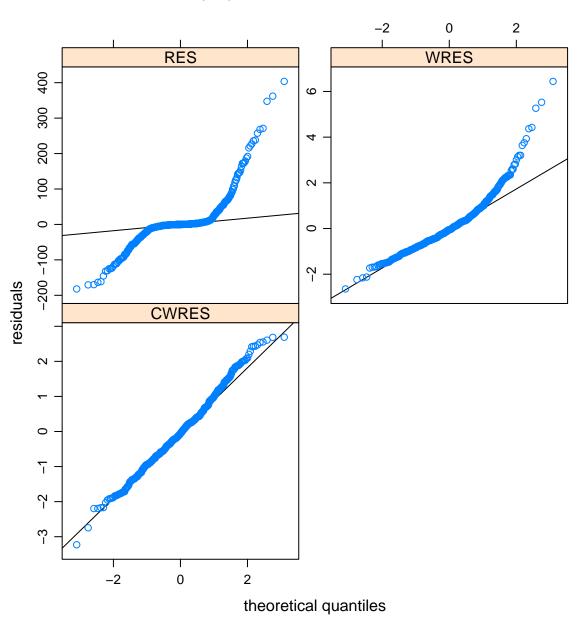
Model 1005 Residuals vs. Predicted for all data



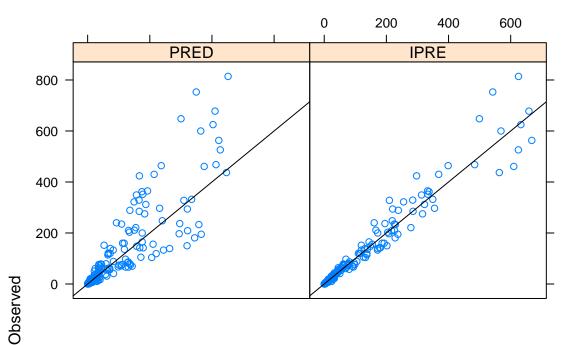
Model 1005 Residuals vs. Time for all data



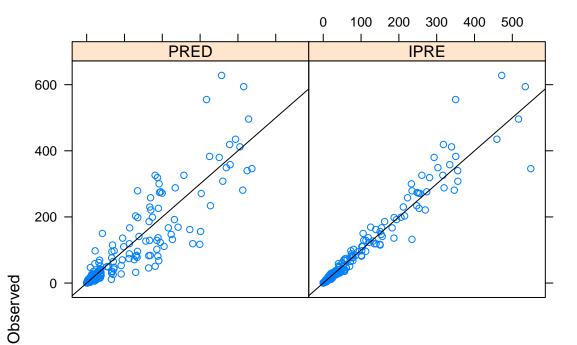
Model 1005
Normal Q-Q Plot Residuals for all data



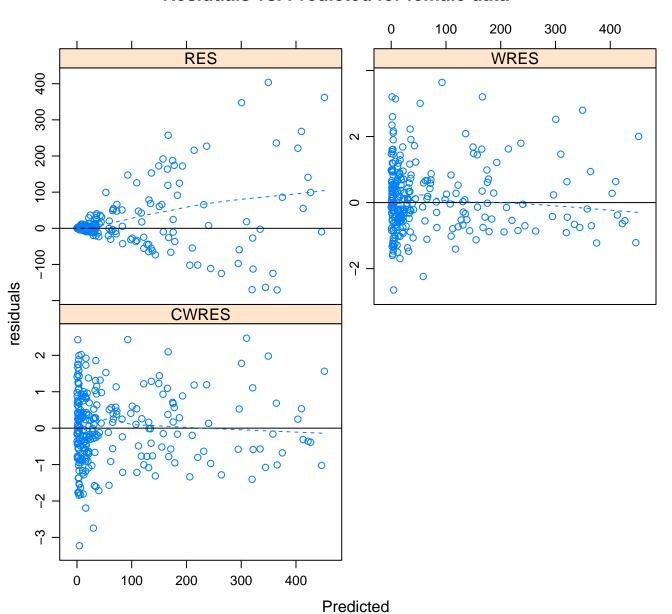
Model 1005
Observed vs. Predicted for female data



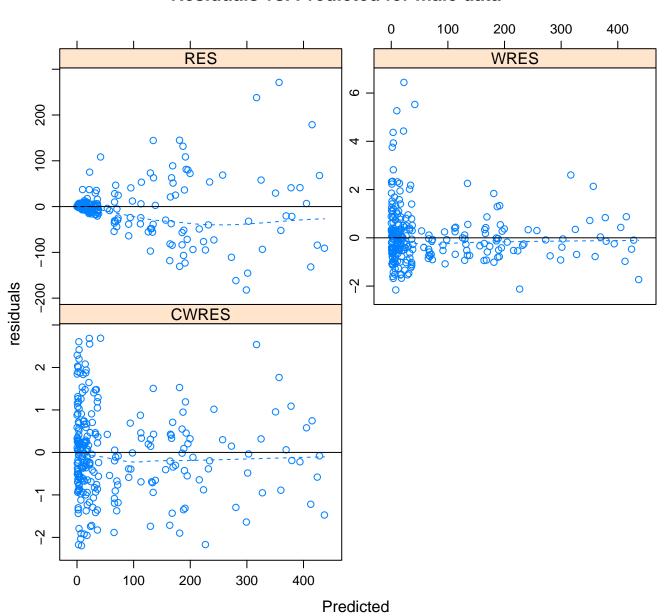
Model 1005 Observed vs. Predicted for male data



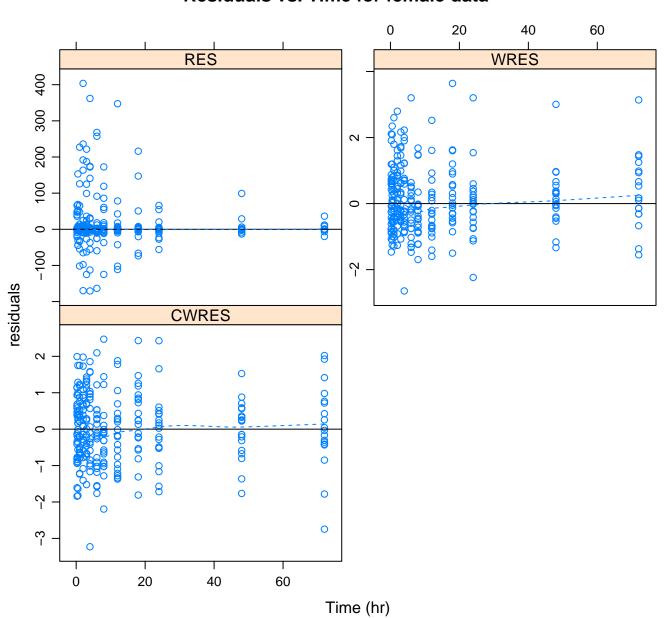
Model 1005
Residuals vs. Predicted for female data



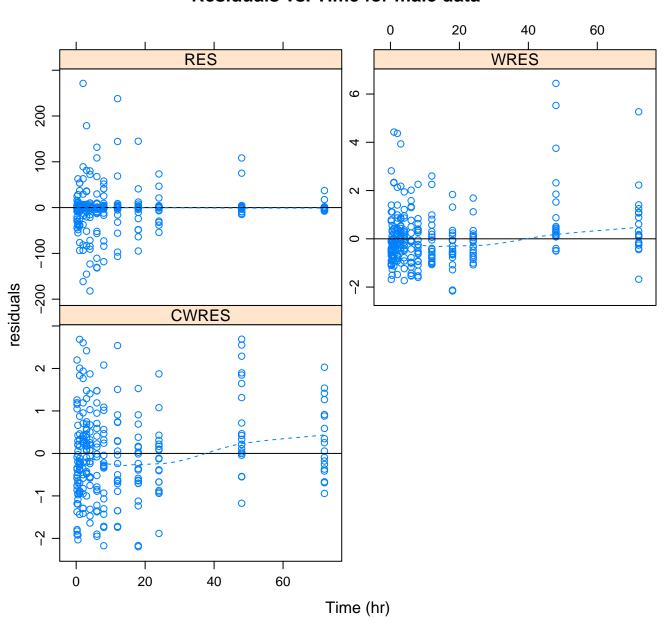
Model 1005
Residuals vs. Predicted for male data



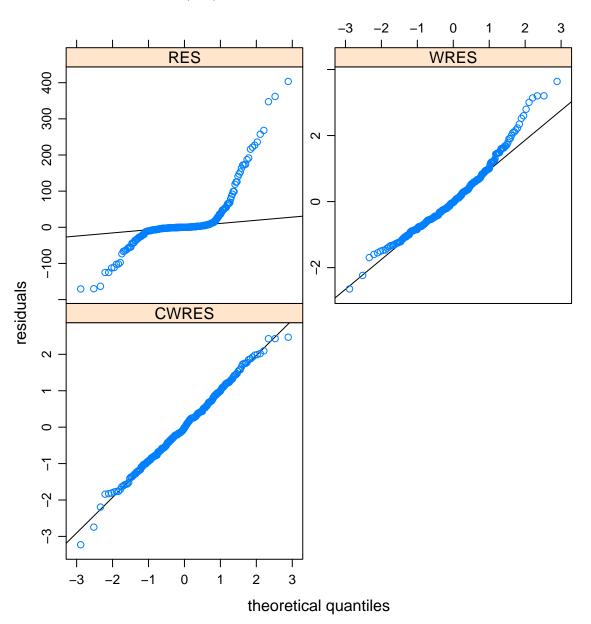
Model 1005 Residuals vs. Time for female data



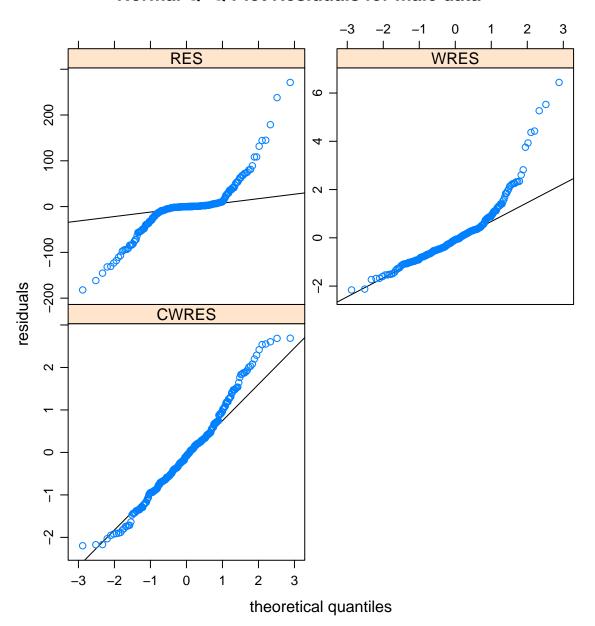
Model 1005 Residuals vs. Time for male data



Model 1005
Normal Q-Q Plot Residuals for female data



Model 1005
Normal Q-Q Plot Residuals for male data



Covariate Scatterplots



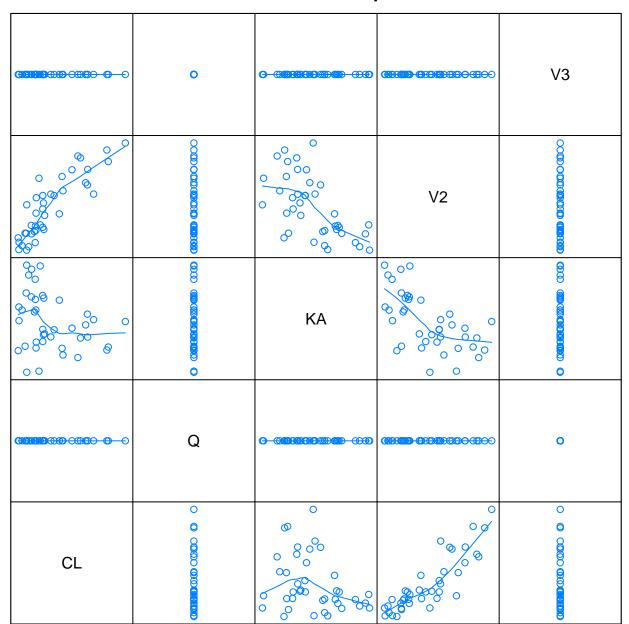
Continuous Covariates vs. Categorical Covariates



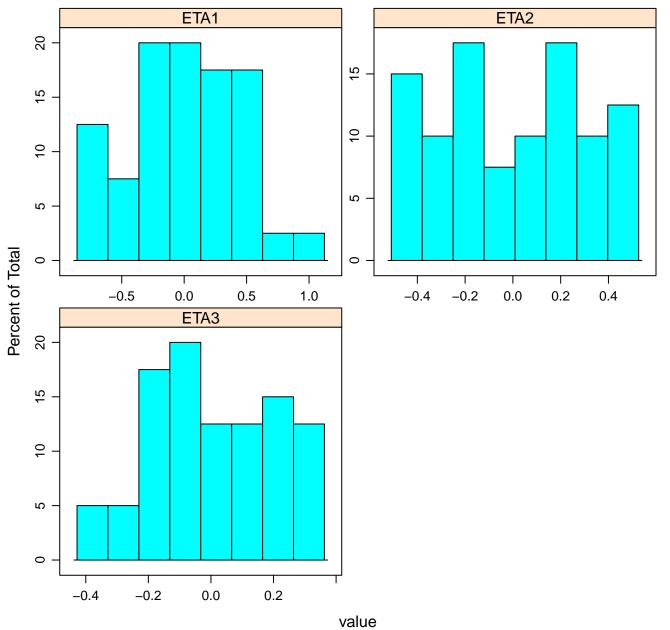
ETA Scatterplots



Parameter Scatterplots



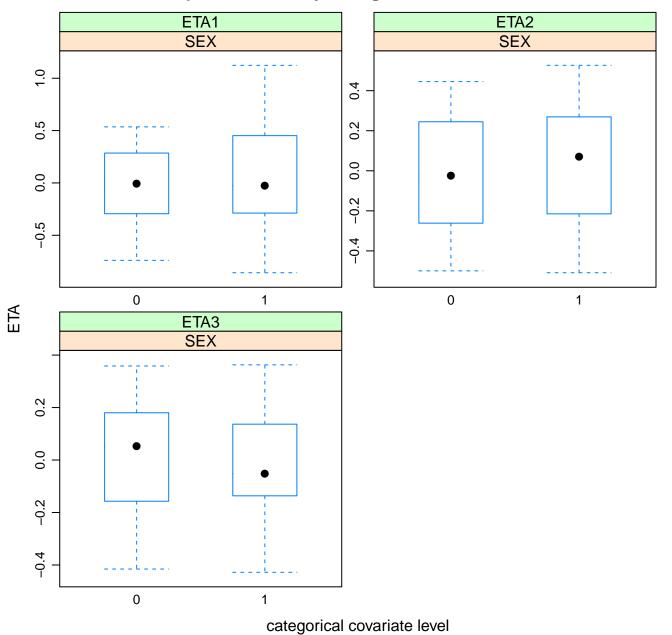
Histograms of Etas



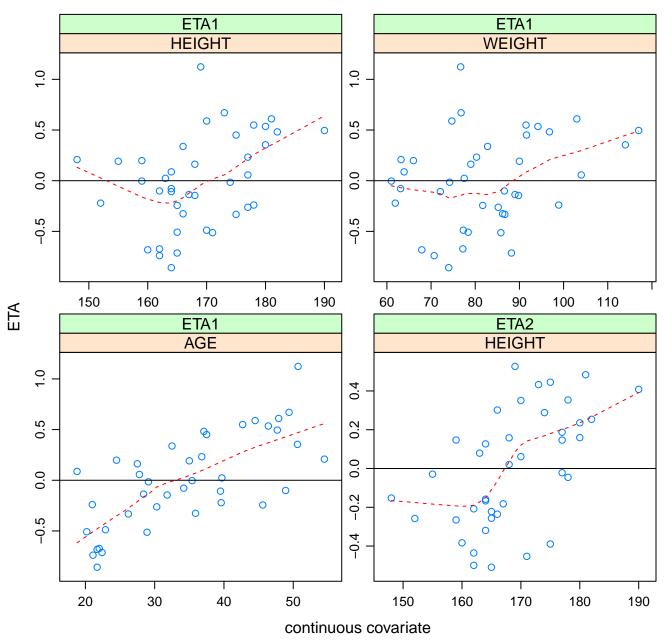
Density of Etas ETA1 ETA2 0.8 1.0 9.0 0.8 9.0 0.4 0.4 0.2 0.2 0.0 0.0 0 808 800 800 800 800 800 Density -1 0 -0.5 0.0 0.5 1.0 ETA3 1.5 0.1 0.5 0.0 000 @@@@@@@@ -0.5 0.5 0.0

value

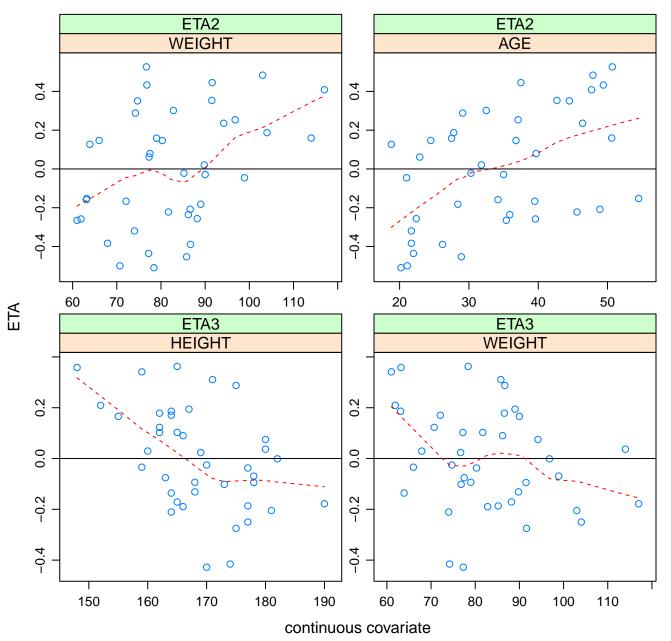
Boxplots of Etas by Categorical Covariate



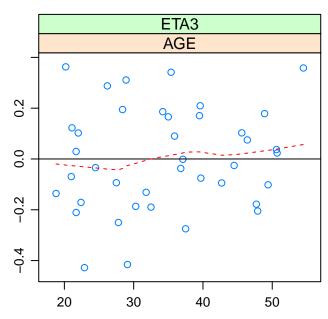
Etas vs. Continuous Covariates



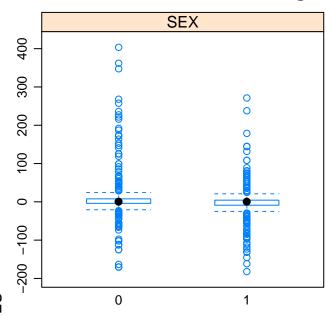
Etas vs. Continuous Covariates



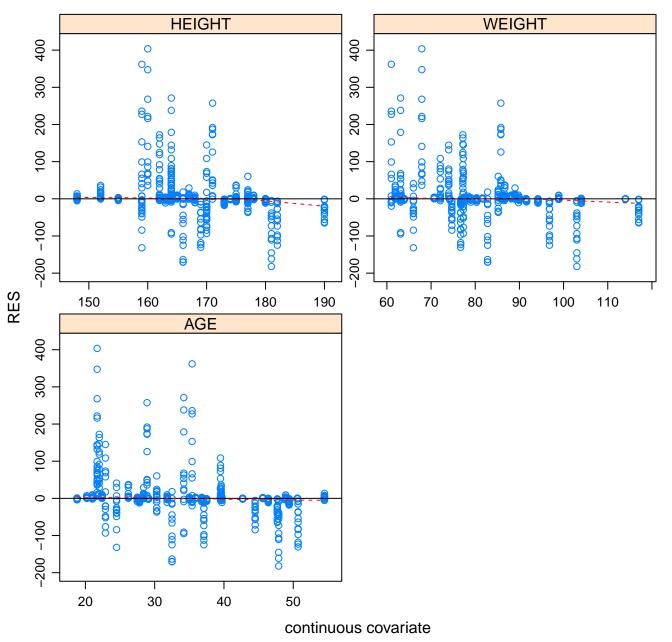
Etas vs. Continuous Covariates



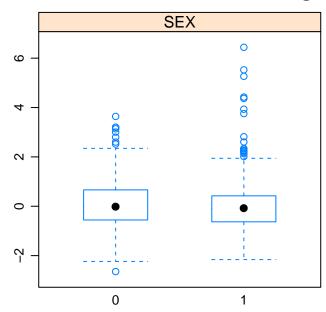
RES vs. Categorical Covariates



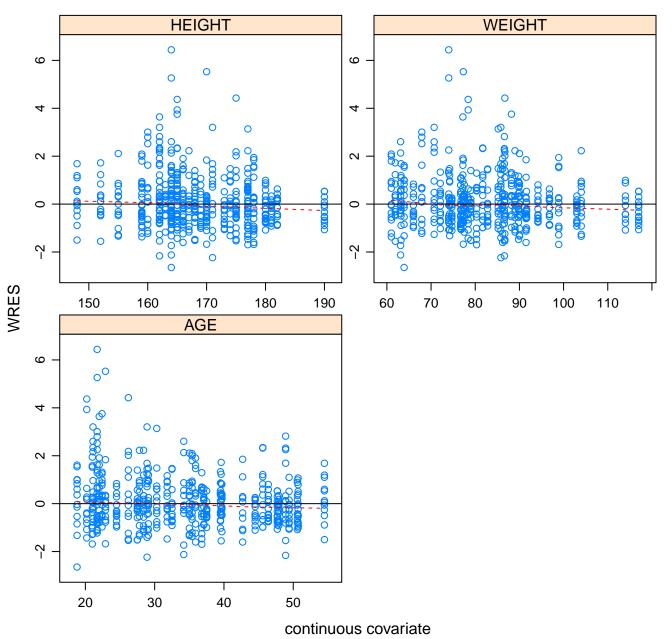
RES vs. Continuous Covariates



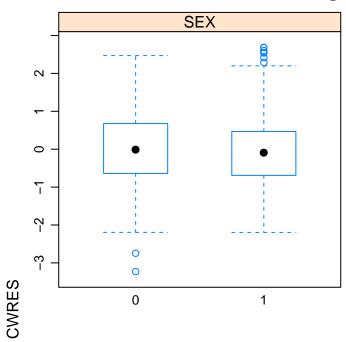
WRES vs. Categorical Covariates



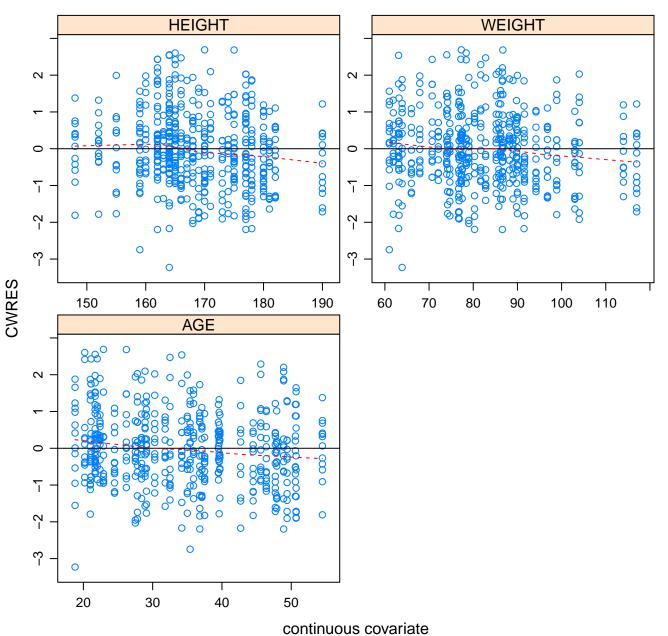
WRES vs. Continuous Covariates



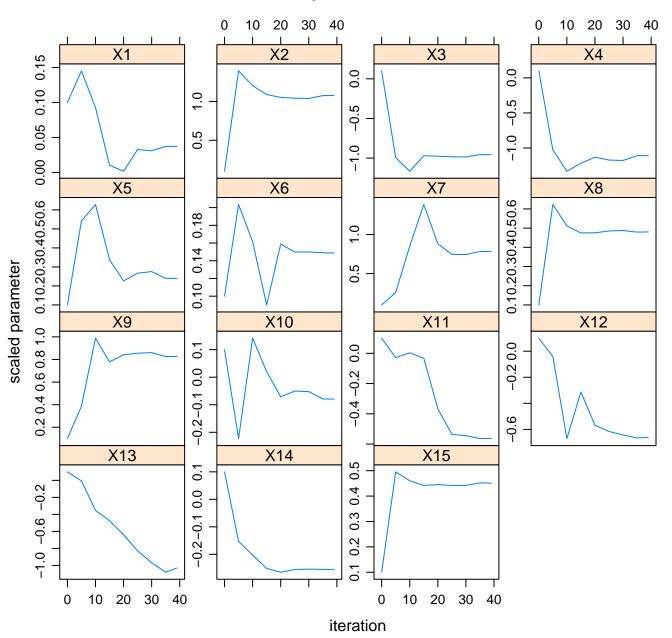
CWRES vs. Categorical Covariates



CWRES vs. Continuous Covariates



Model 1005 parameter search



Model 1005 gradient search

