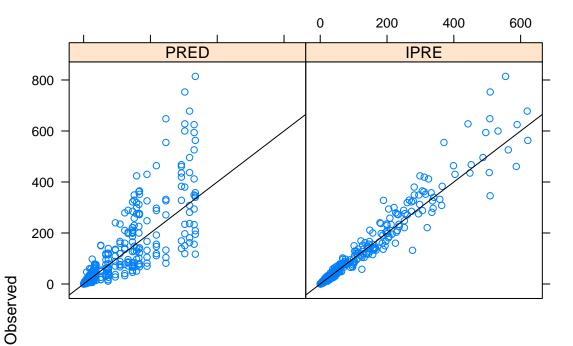
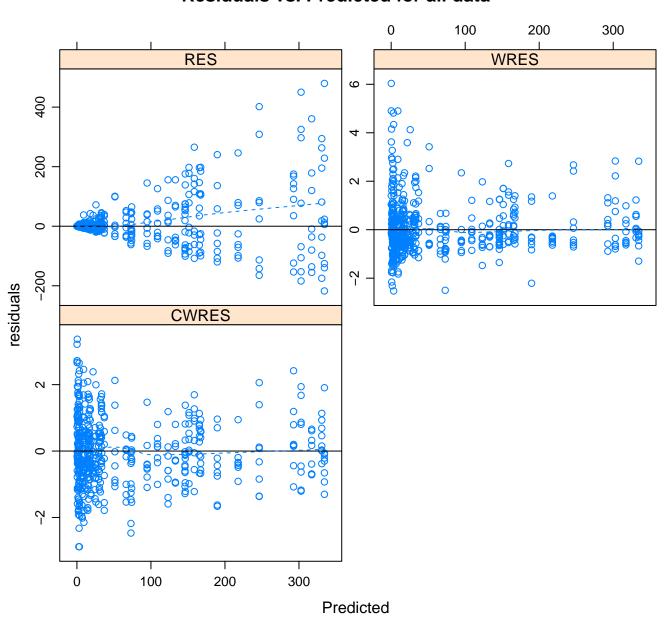
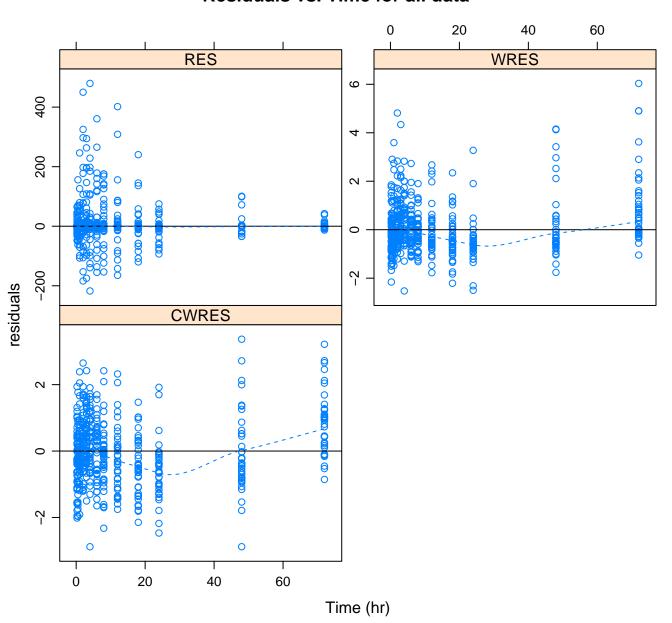
Model 1003 Observed vs. Predicted for all data



Model 1003 Residuals vs. Predicted for all data

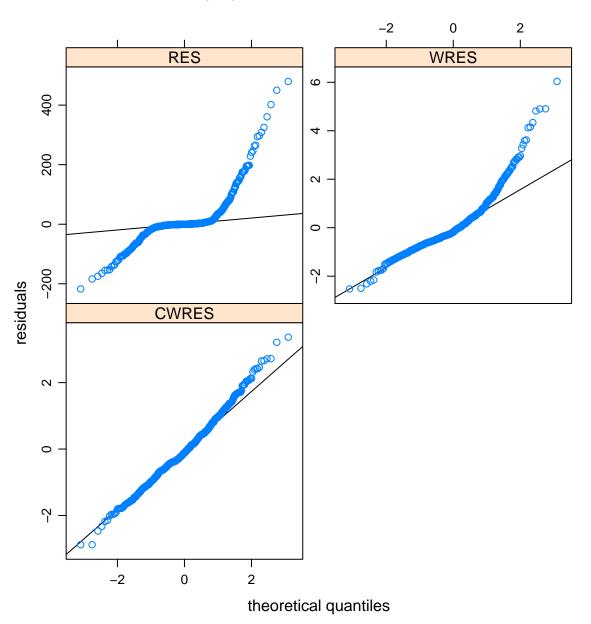


Model 1003
Residuals vs. Time for all data

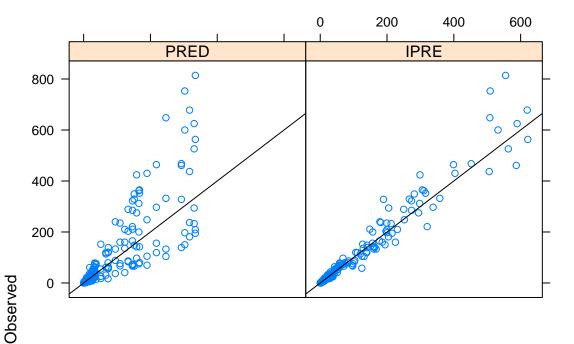


Model 1003

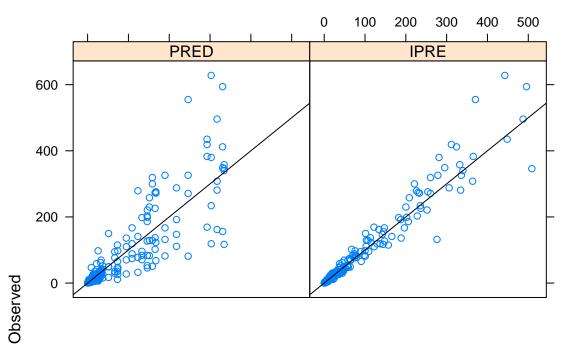
Normal Q-Q Plot Residuals for all data



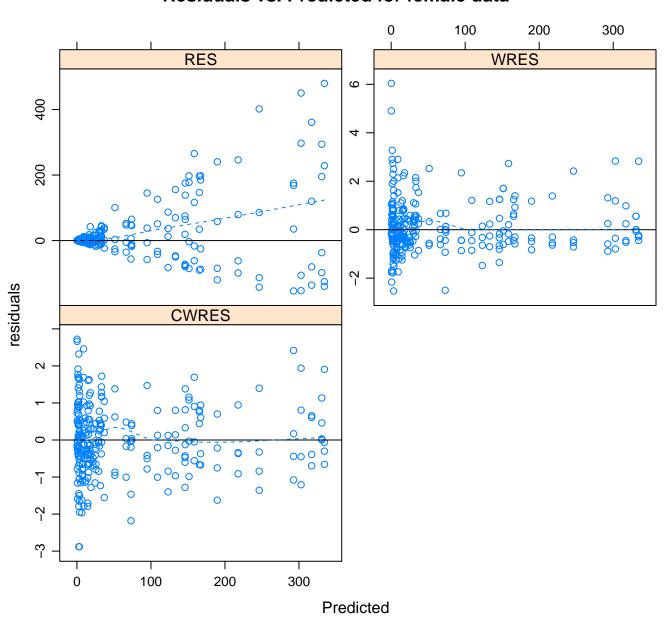
Model 1003
Observed vs. Predicted for female data



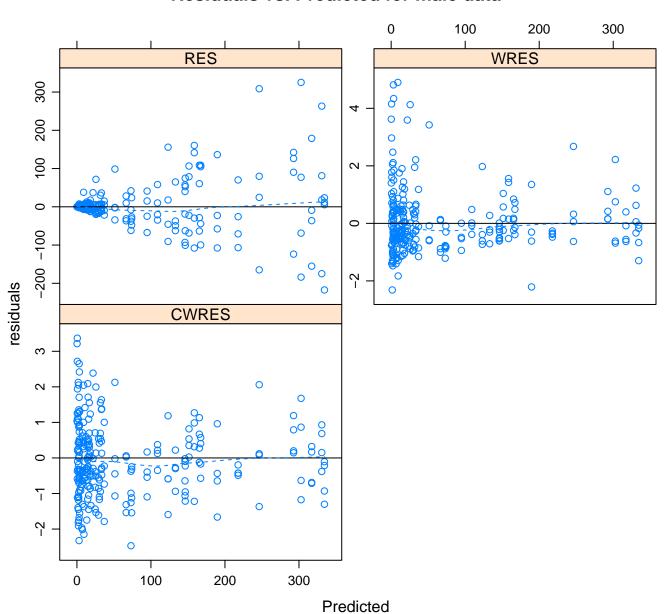
Model 1003 Observed vs. Predicted for male data



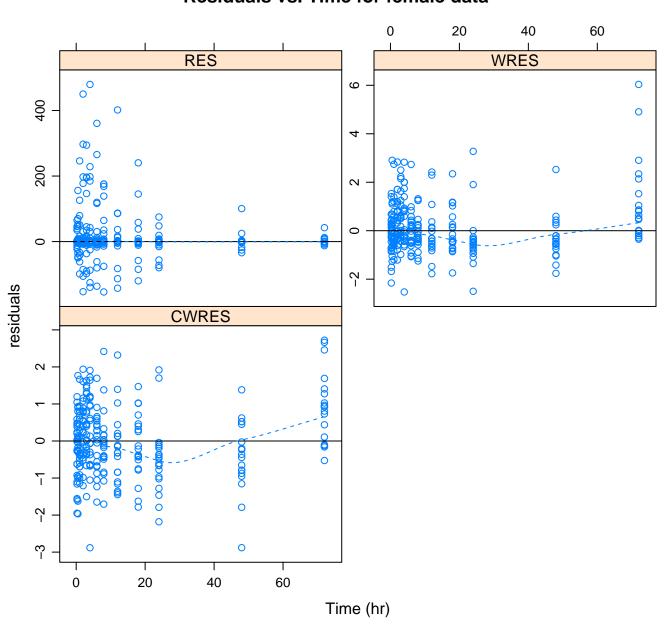
Model 1003
Residuals vs. Predicted for female data



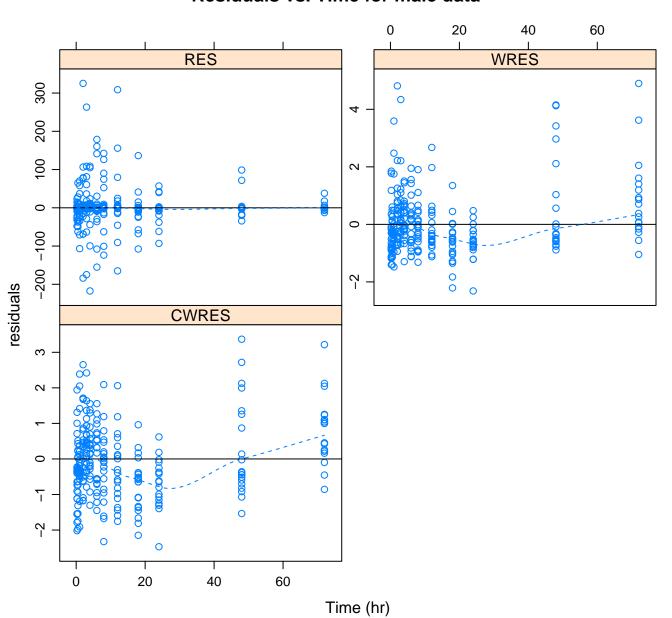
Model 1003
Residuals vs. Predicted for male data



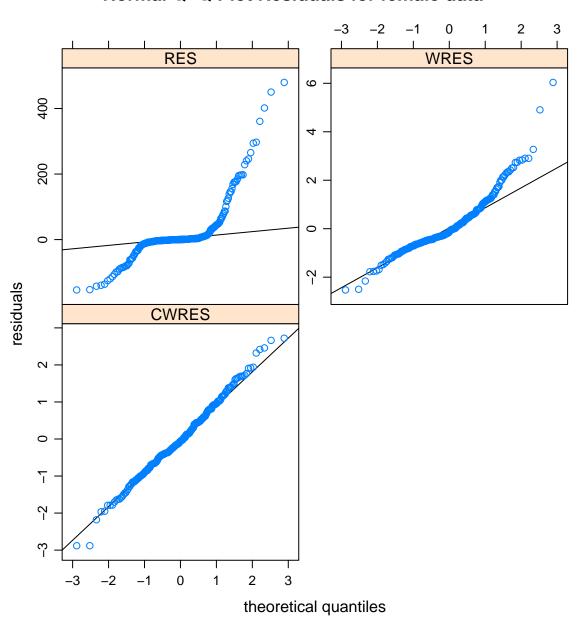
Model 1003 Residuals vs. Time for female data



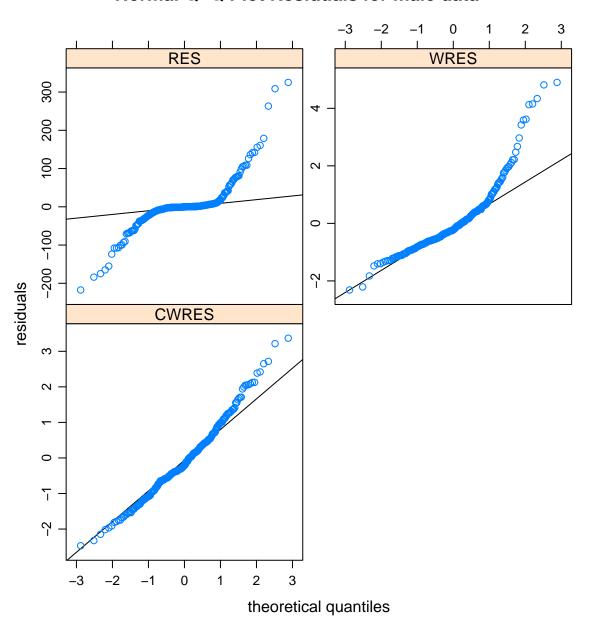
Model 1003 Residuals vs. Time for male data



Model 1003
Normal Q-Q Plot Residuals for female data



Model 1003
Normal Q-Q Plot Residuals for male data



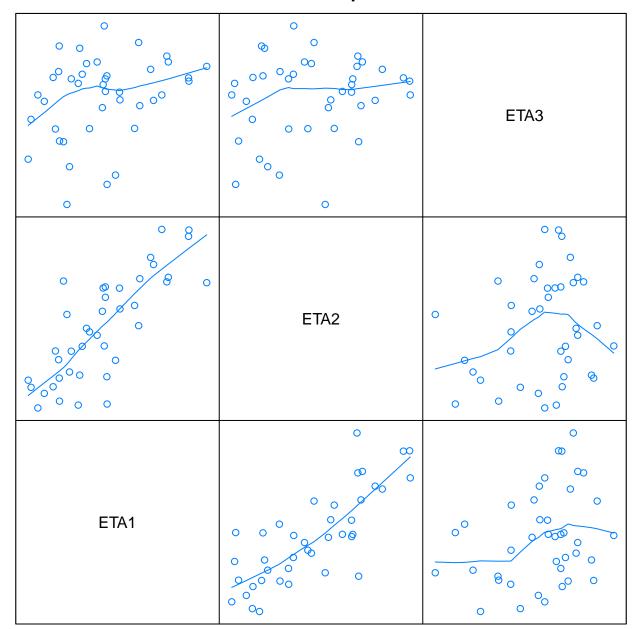
Covariate Scatterplots



Continuous Covariates vs. Categorical Covariates



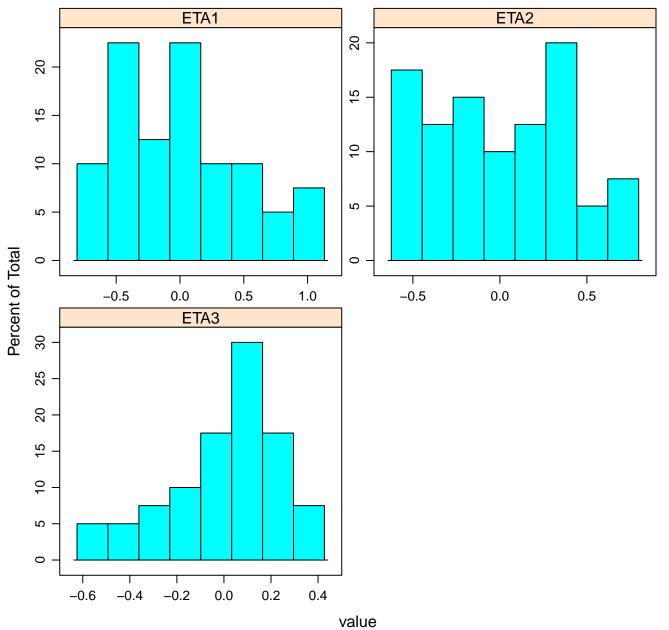
ETA Scatterplots



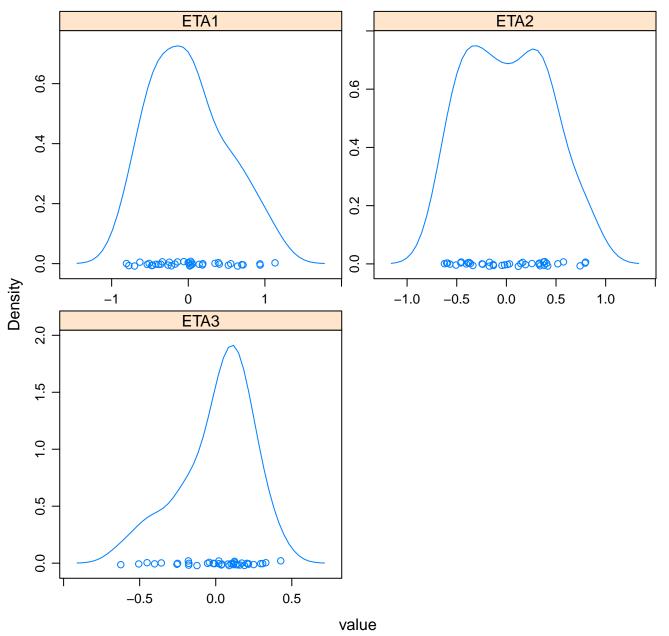
Parameter Scatterplots

	•	○ (333) C(3) (3)(3)(3)(3)(4)(4)(4)(4)(4)(4)(4)(4)(4)(4)(4)(4)(4)		V3
0 8	8	08		8
	© @) @@@ @ @		V2	○ @) @@@ @
		KA		O@@OOO@OC 1000@
<u>(13 9 9 9 9 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 </u>	Q	○ (33) ○(3) (3) (3) (3) (4) (4) (4) (4) (4) (4) (4) (4) (4) (4	€333 (0)(0)(3) (3) (3) (3) (4) (4) (4) (4) (4) (4) (4) (4) (4) (4	0
	0	0	0	0
	0	©	9	0
CL				

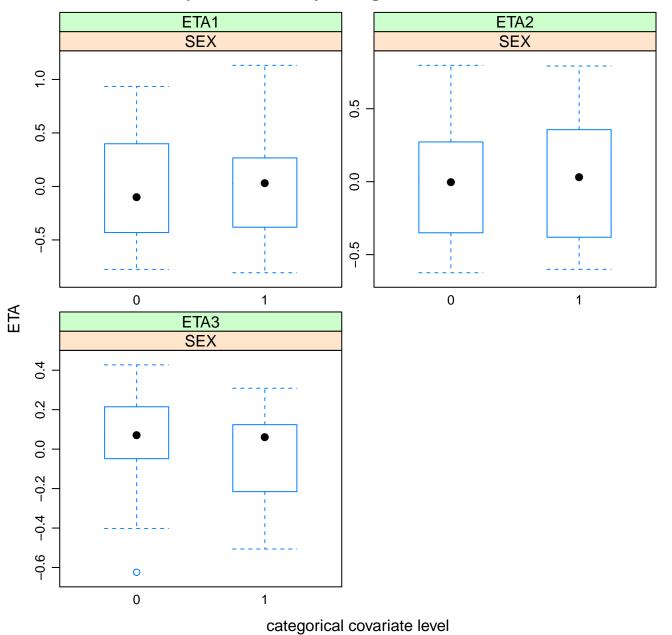
Histograms of Etas



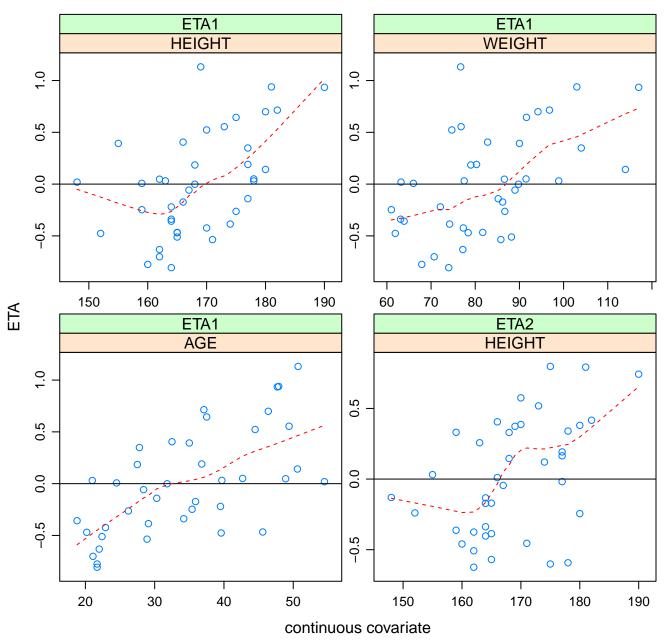
Density of Etas



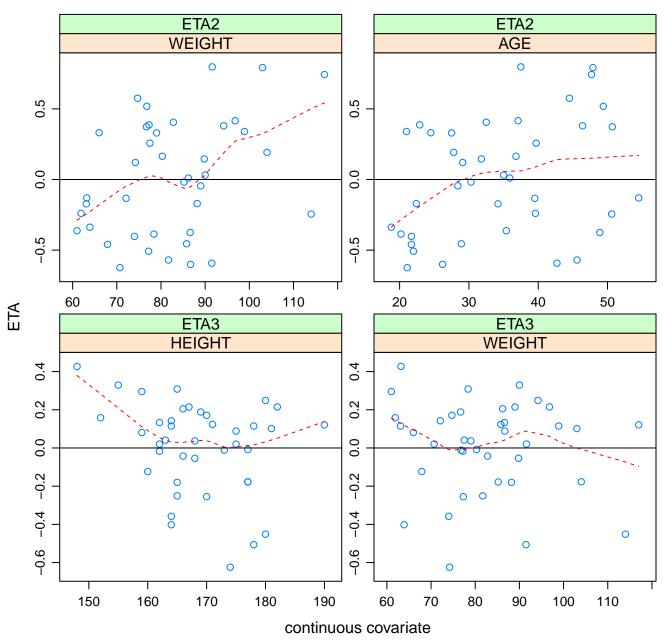
Boxplots of Etas by Categorical Covariate



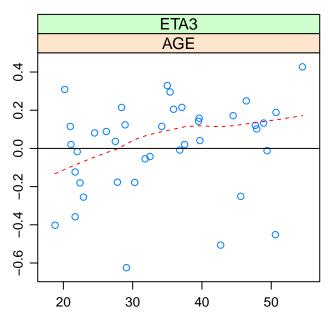
Etas vs. Continuous Covariates



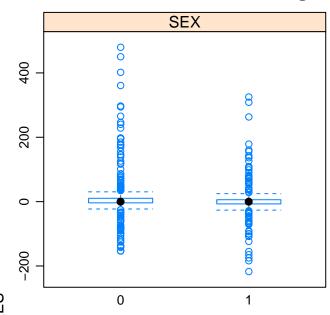
Etas vs. Continuous Covariates



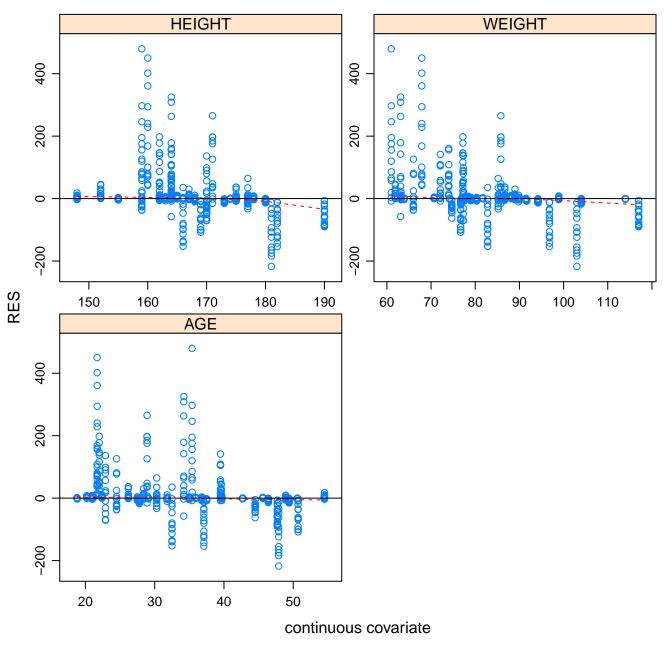
Etas vs. Continuous Covariates



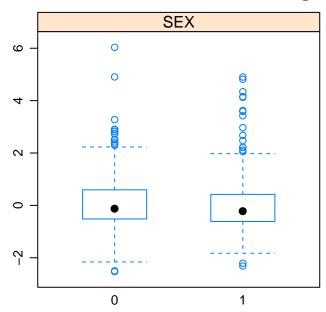
RES vs. Categorical Covariates



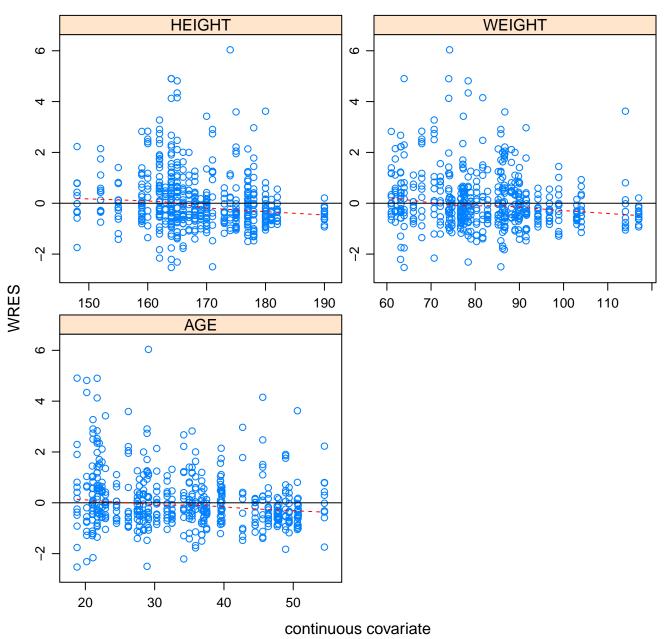
RES vs. Continuous Covariates



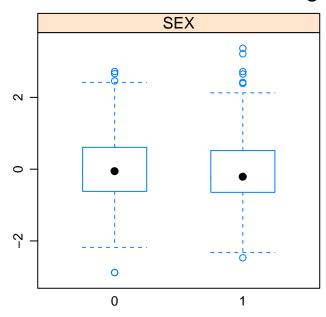
WRES vs. Categorical Covariates



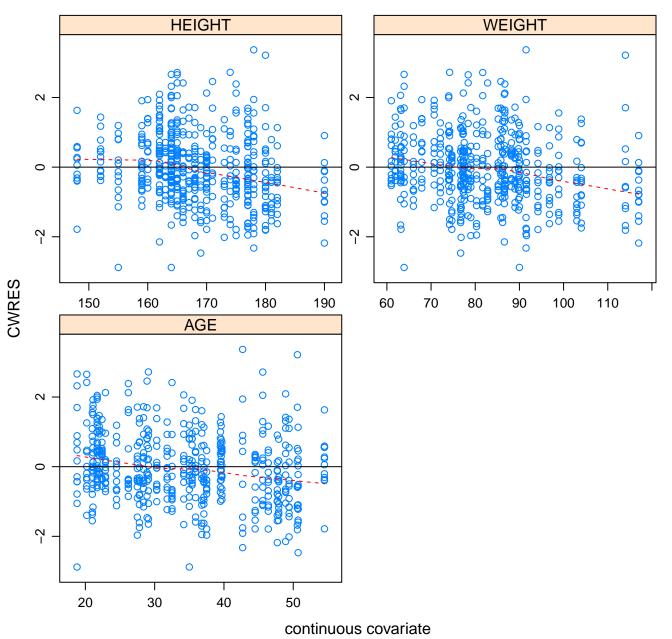
WRES vs. Continuous Covariates



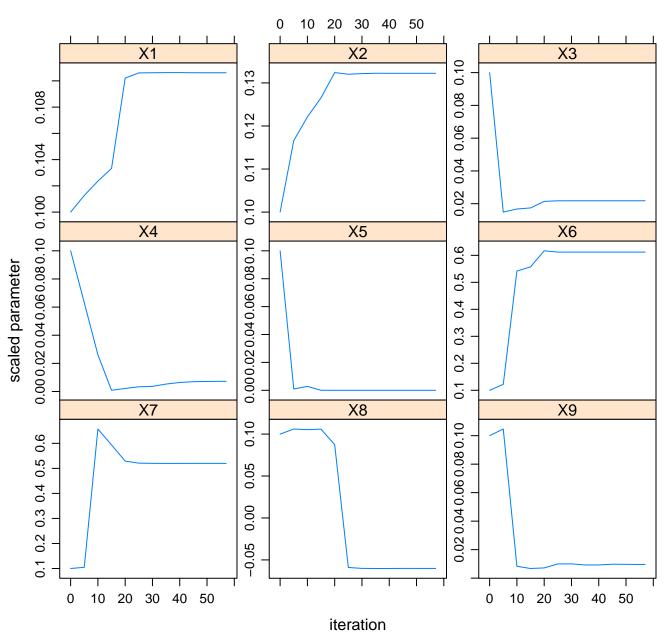
CWRES vs. Categorical Covariates



CWRES vs. Continuous Covariates



Model 1003 parameter search



Model 1003 gradient search

