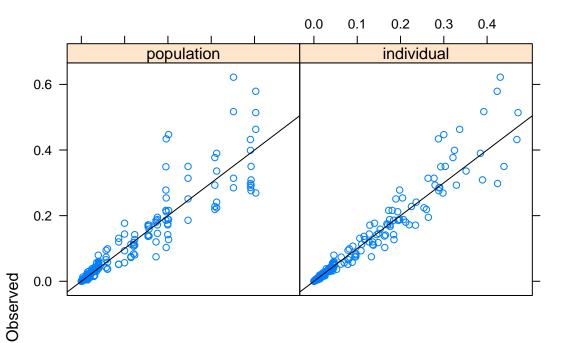
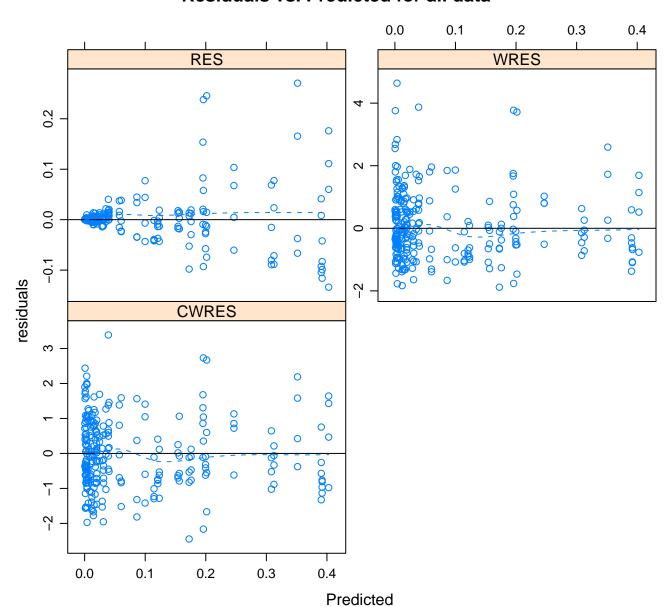
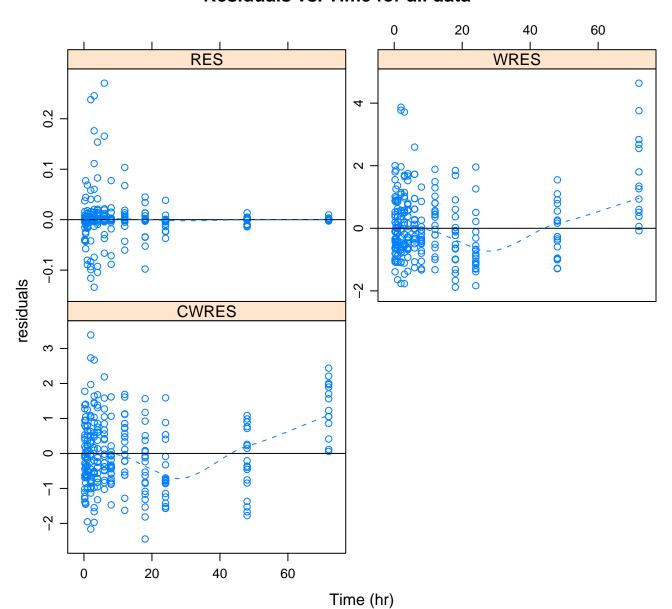
# Model 1003 Observed vs. Predicted for all data



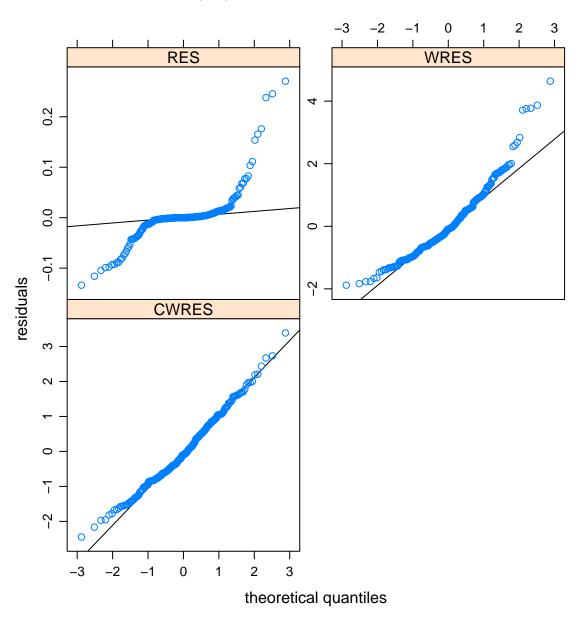
Model 1003
Residuals vs. Predicted for all data



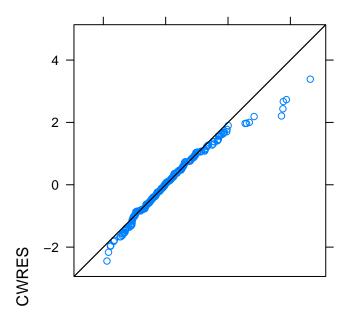
Model 1003 Residuals vs. Time for all data



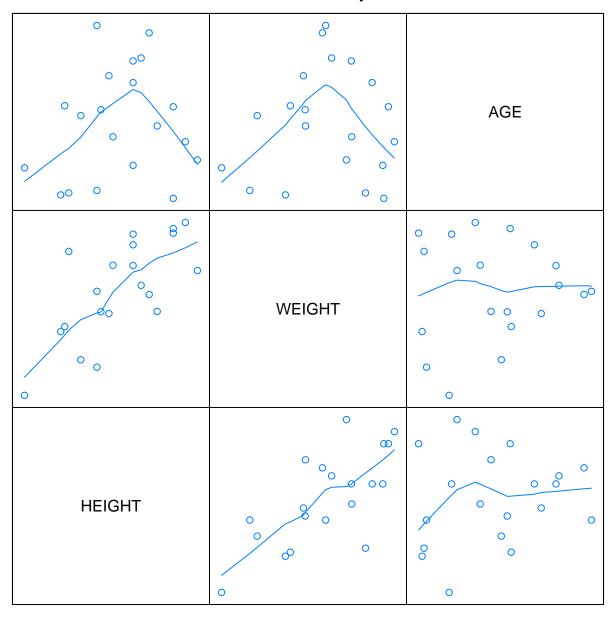
Model 1003
Normal Q-Q Plot Residuals for all data



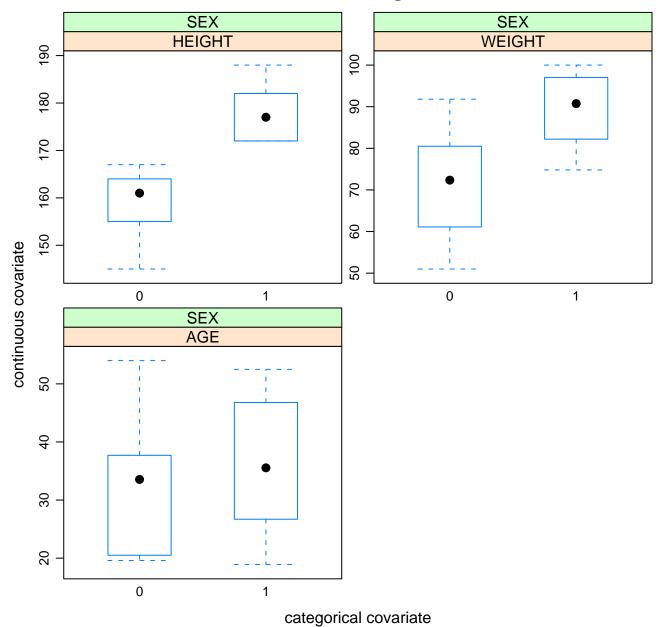
#### Model 1003 Q-Q Plot of CWRES vs. WRES for all data



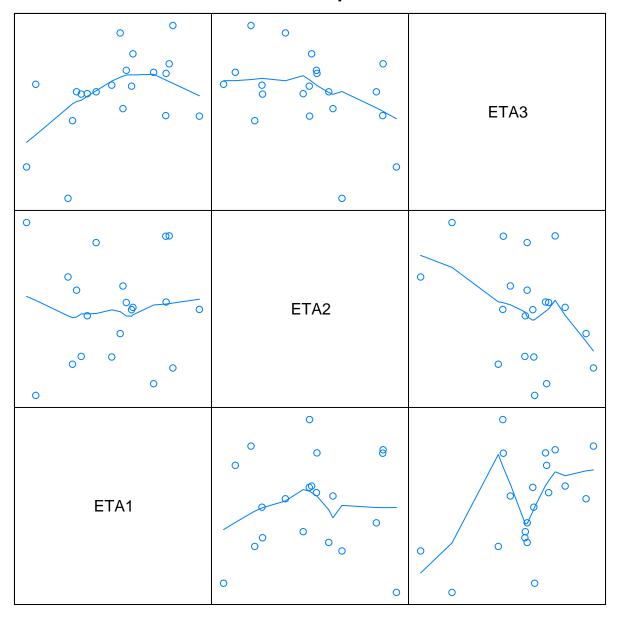
#### **Covariate Scatterplots**



### **Continuous Covariates vs. Categorical Covariates**



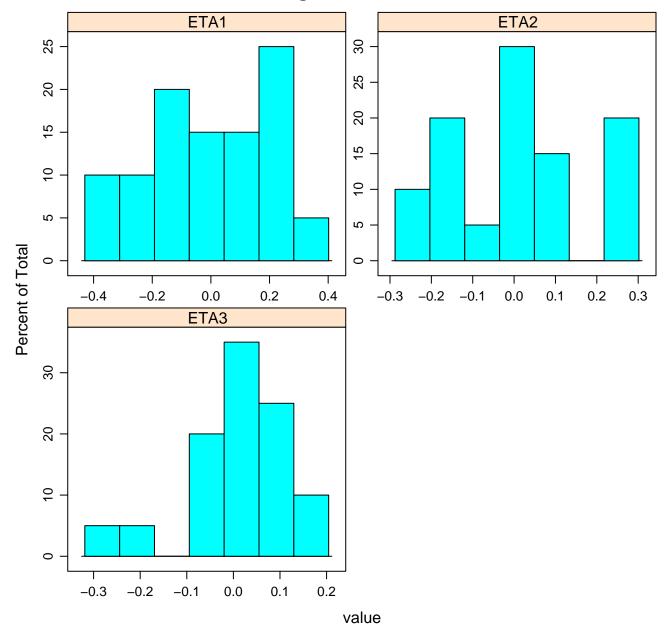
## **ETA Scatterplots**



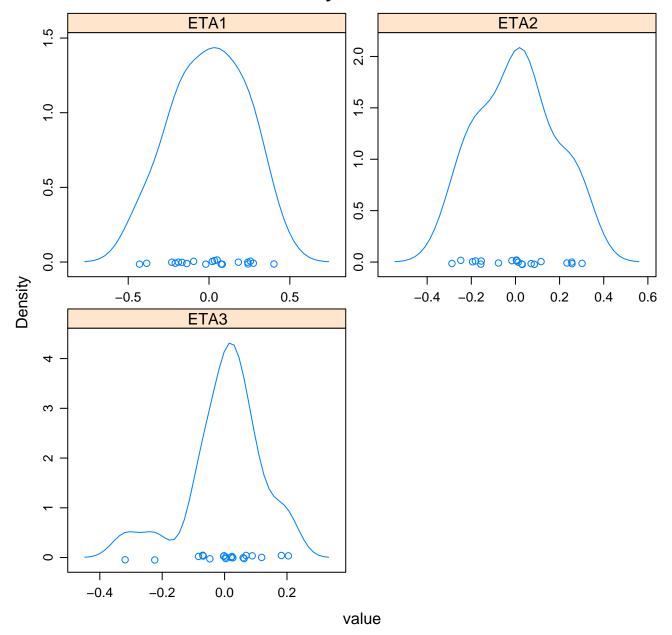
## **Parameter Scatterplots**

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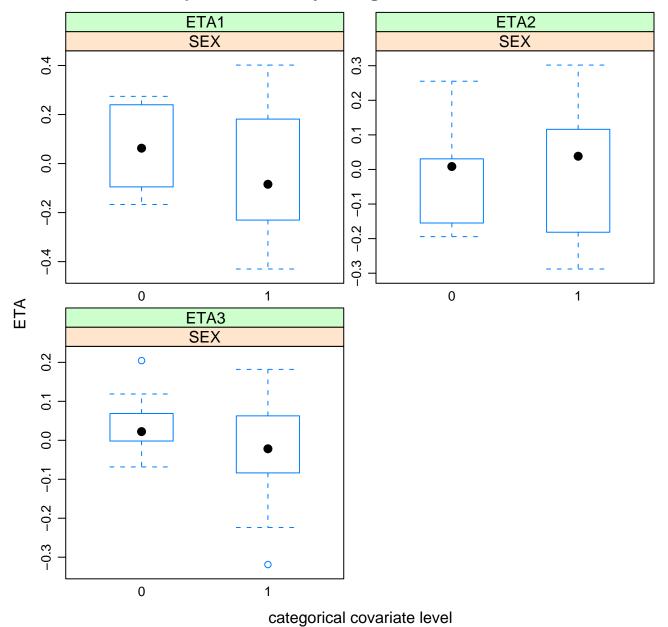
**Histograms of Etas** 



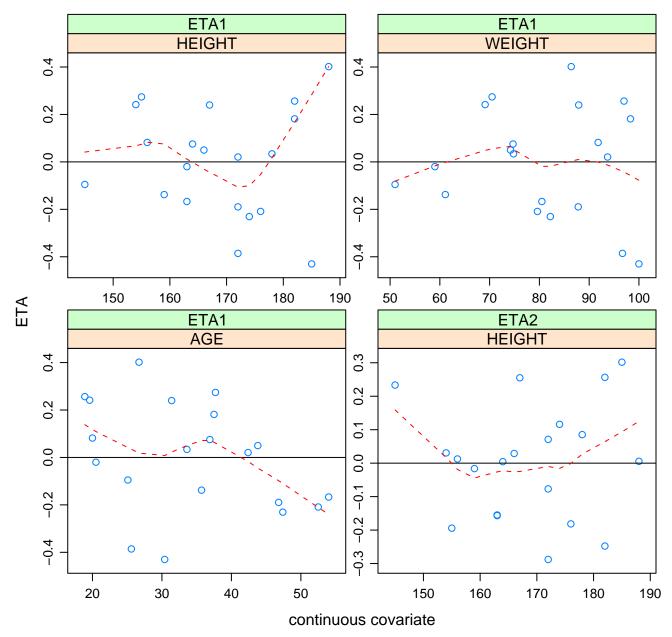
**Density of Etas** 



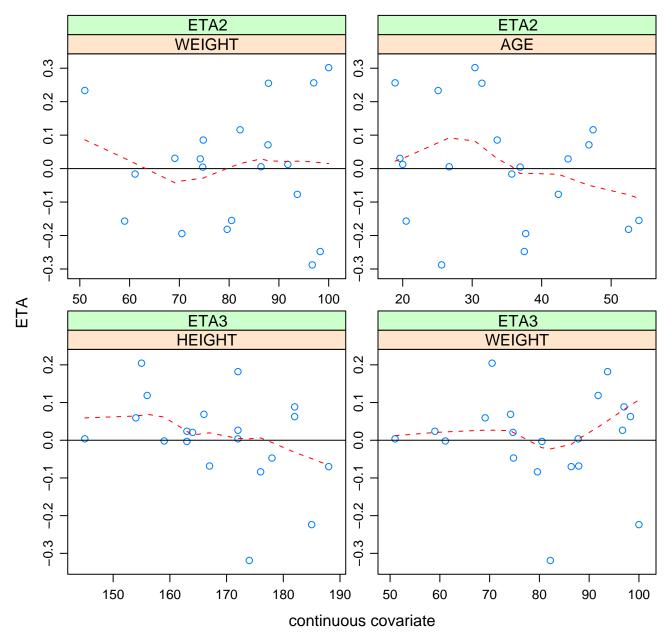
## **Boxplots of Etas by Categorical Covariate**



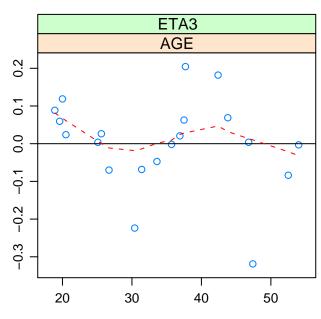
**Etas vs. Continuous Covariates** 



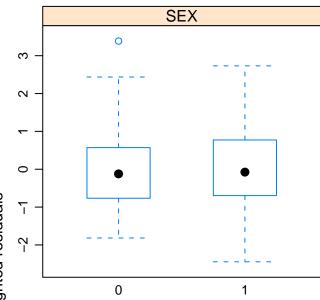
**Etas vs. Continuous Covariates** 



#### **Etas vs. Continuous Covariates**



## **CWRES vs. Categorical Covariates**



#### **CWRES vs. Continuous Covariates**

