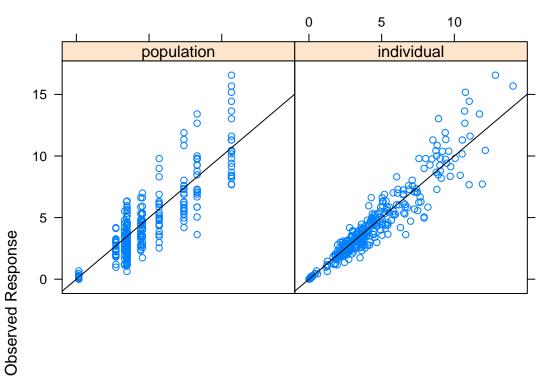
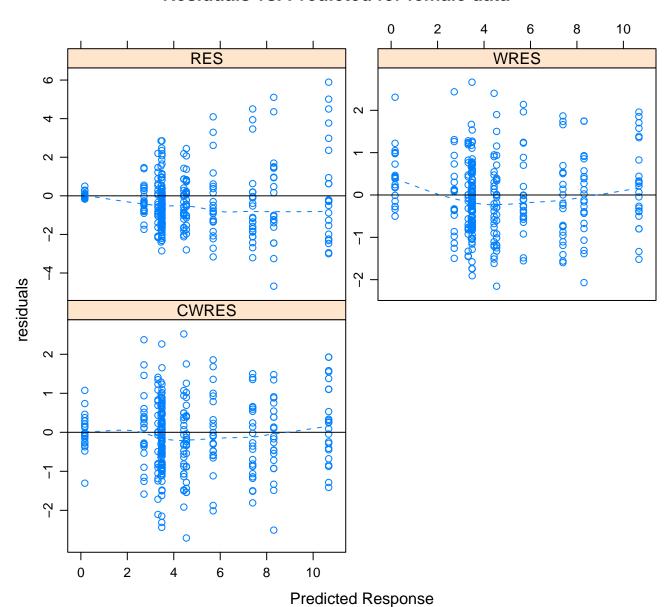
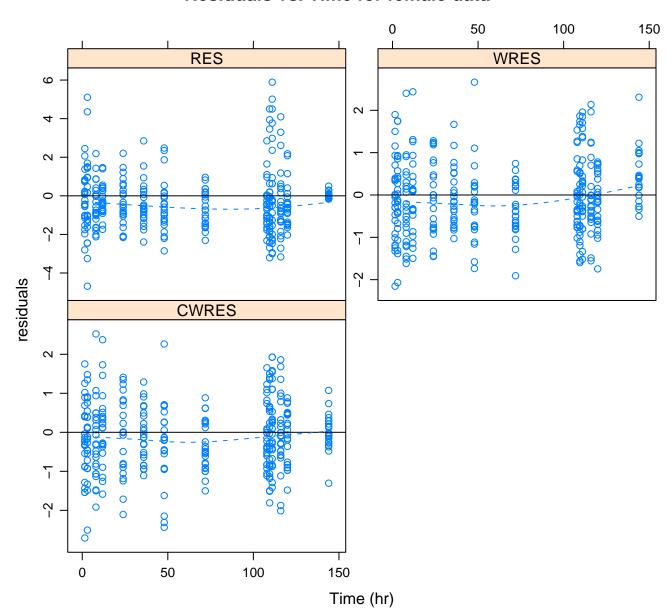
Model 1
Observed vs. Predicted for female data



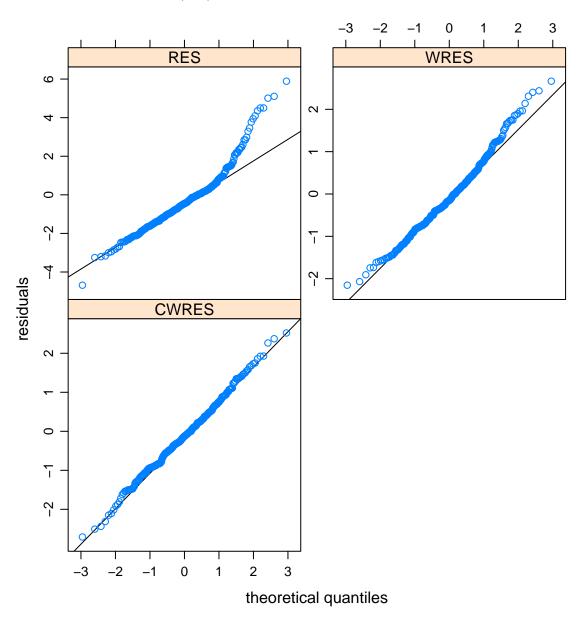
Model 1
Residuals vs. Predicted for female data



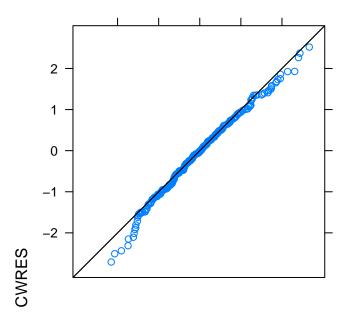
Model 1
Residuals vs. Time for female data



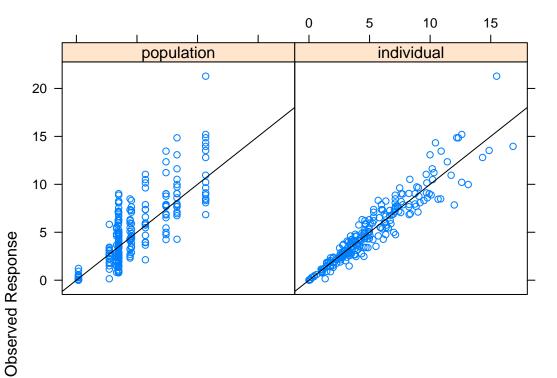
Model 1
Normal Q-Q Plot Residuals for female data



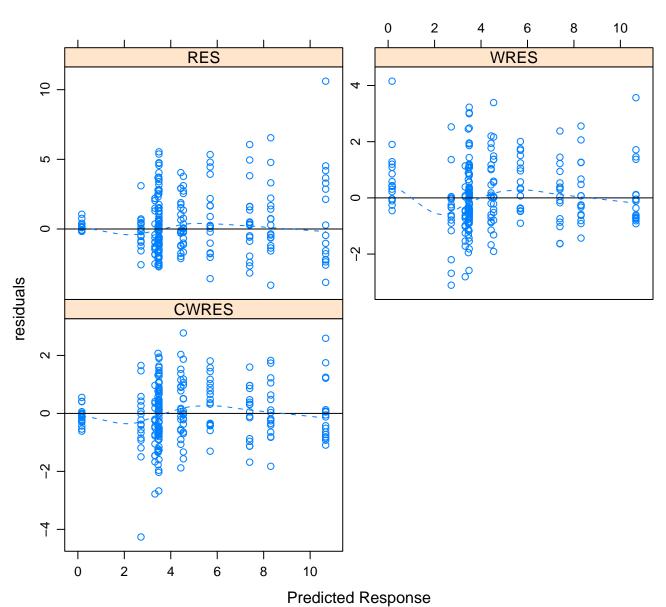
Model 1 Q-Q Plot of CWRES vs. WRES for female data



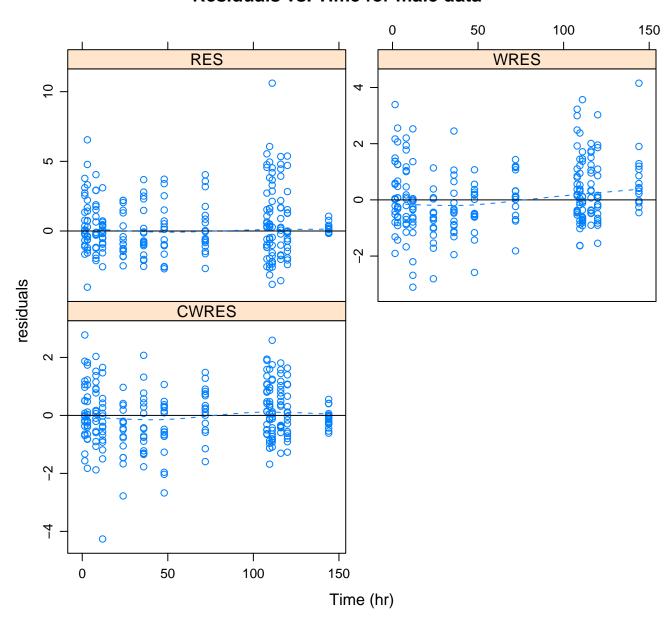
Model 1
Observed vs. Predicted for male data



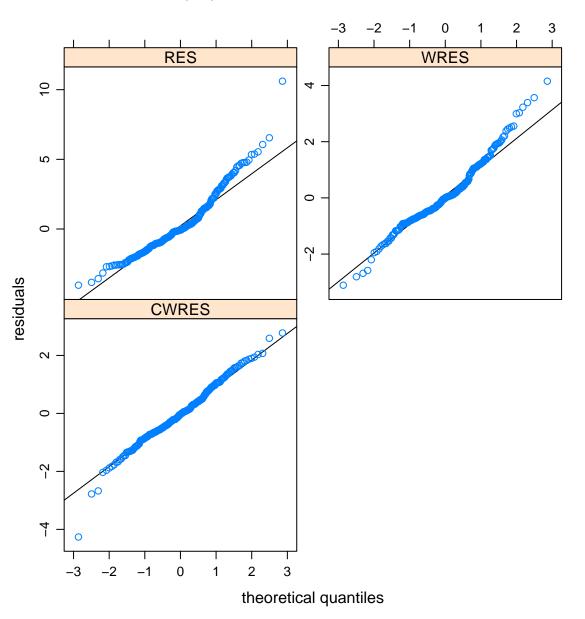
Model 1
Residuals vs. Predicted for male data



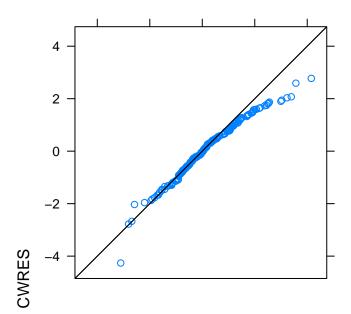
Model 1
Residuals vs. Time for male data



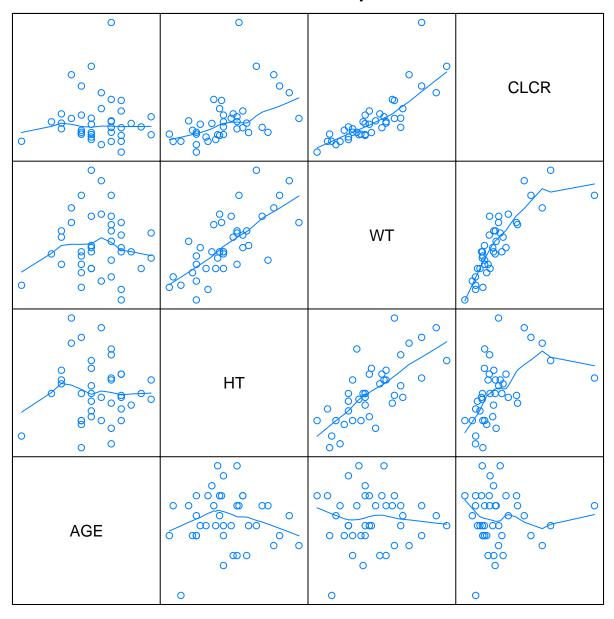
Model 1
Normal Q-Q Plot Residuals for male data



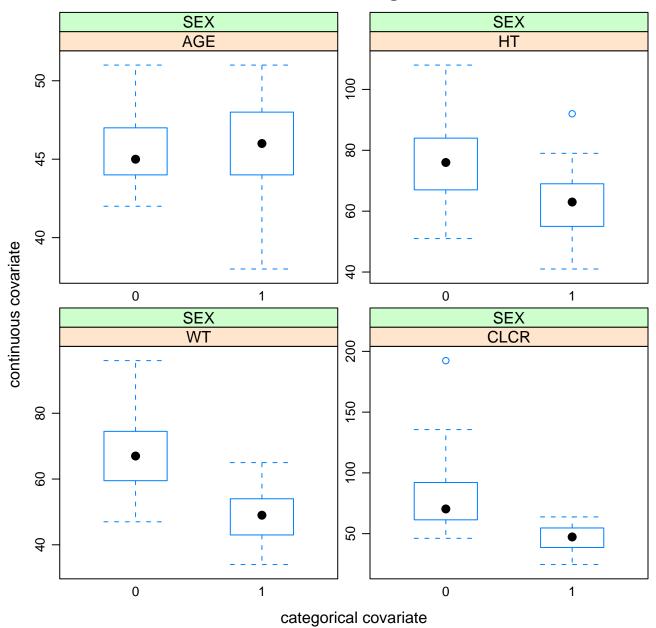
Model 1
Q-Q Plot of CWRES vs. WRES for male data



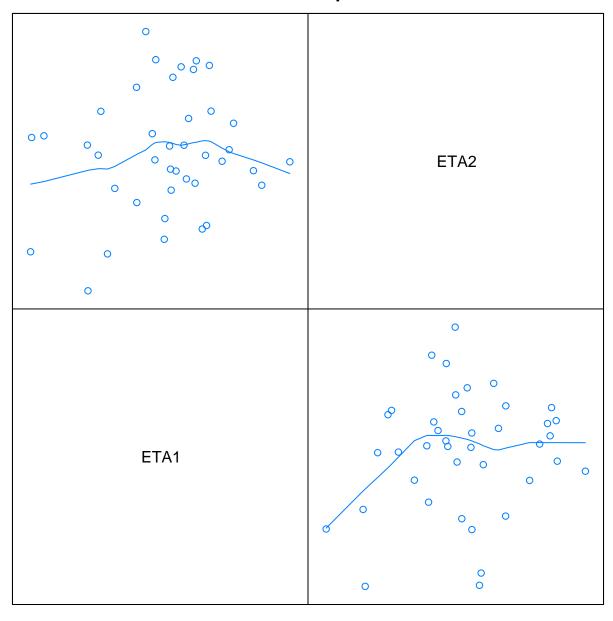
#### **Covariate Scatterplots**



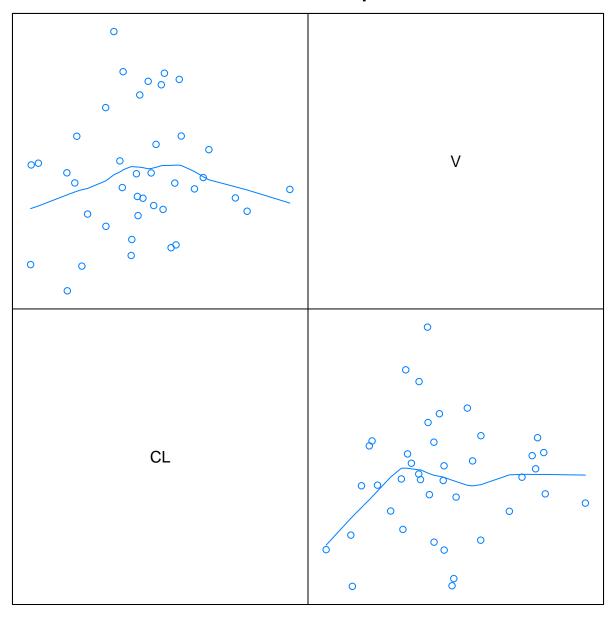
#### **Continuous Covariates vs. Categorical Covariates**



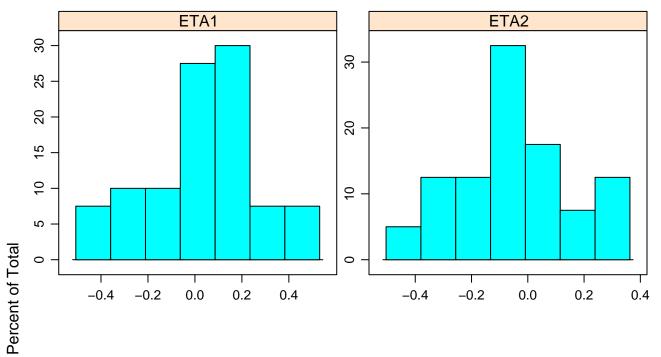
## **ETA Scatterplots**



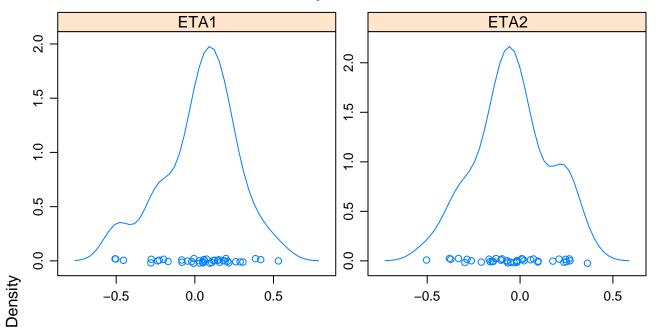
# **Parameter Scatterplots**



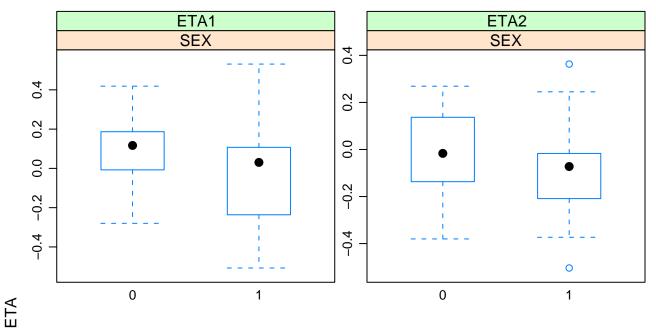
## **Histograms of Etas**



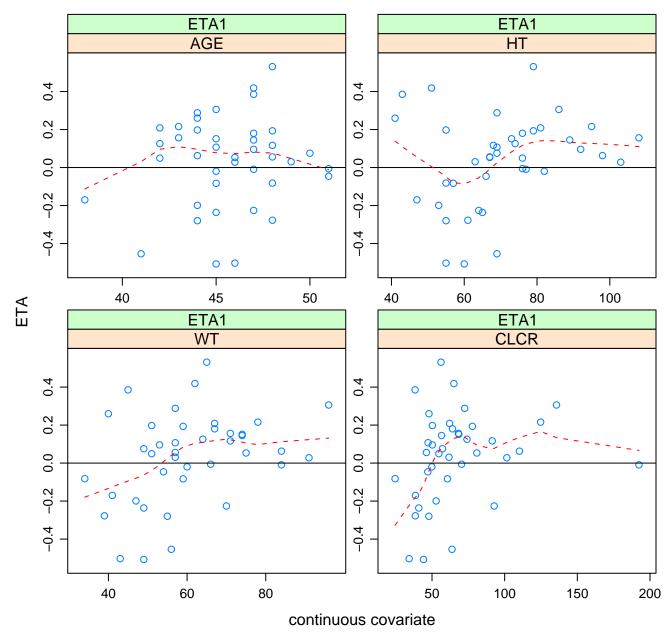
## **Density of Etas**



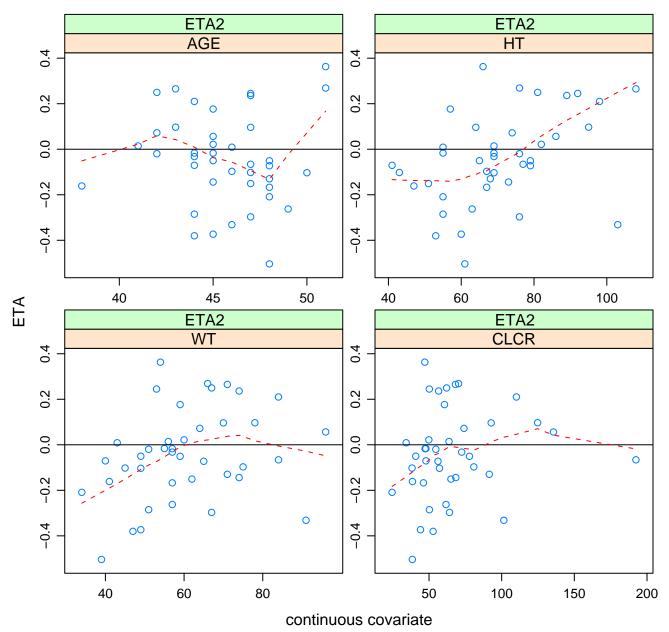
## **Boxplots of Etas by Categorical Covariate**



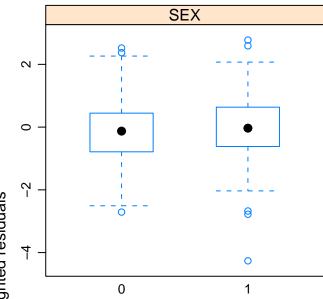
**Etas vs. Continuous Covariates** 



**Etas vs. Continuous Covariates** 



## **CWRES vs. Categorical Covariates**



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

