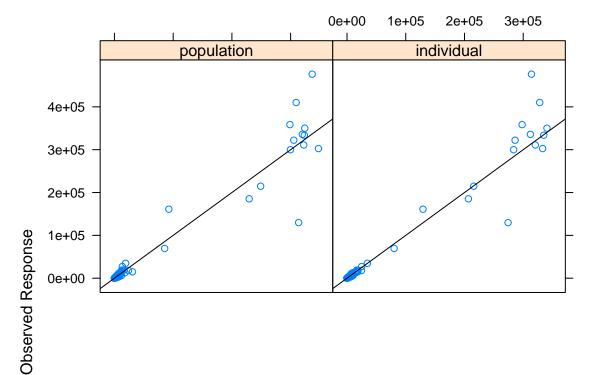
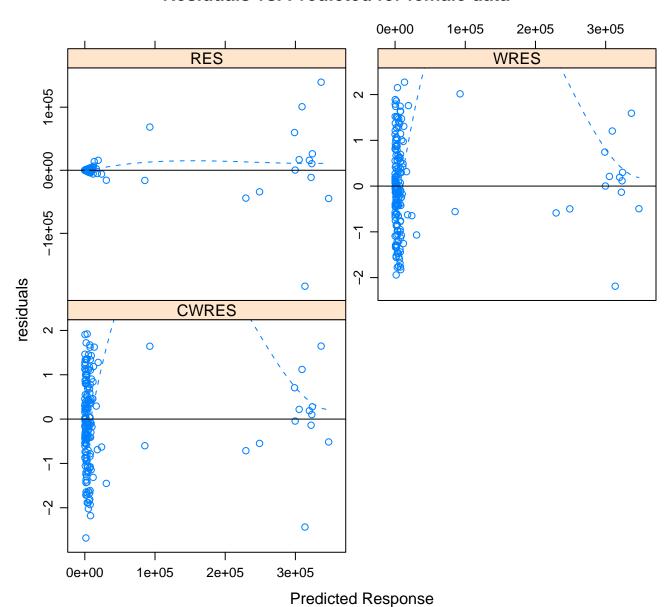
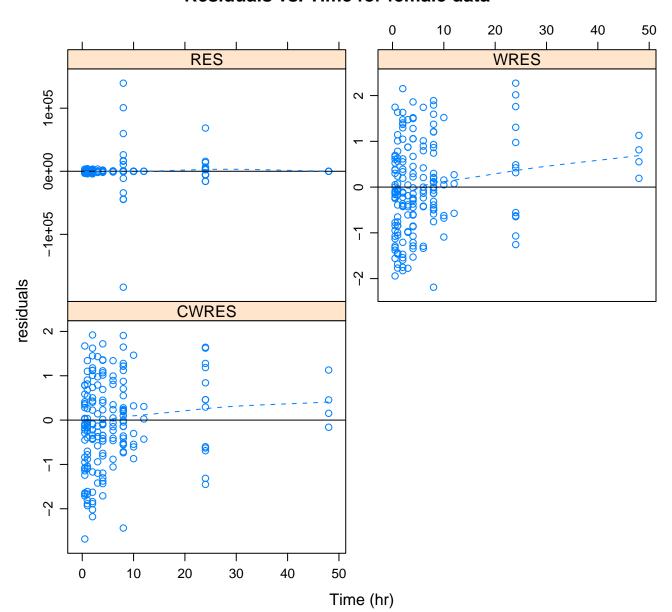
Model 2
Observed vs. Predicted for female data



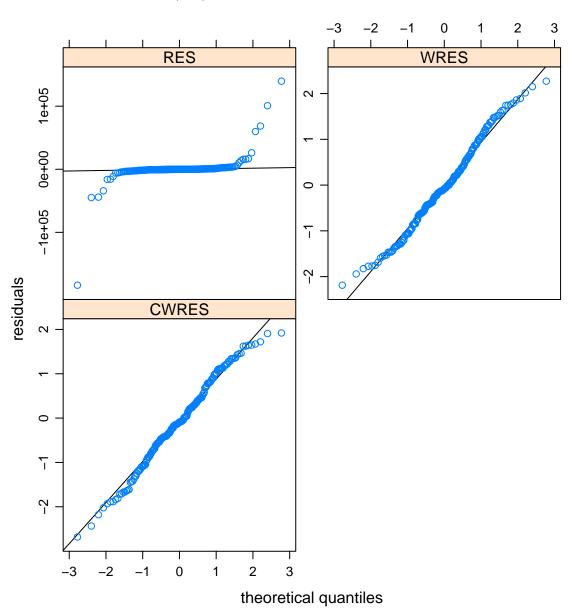
Model 2
Residuals vs. Predicted for female data



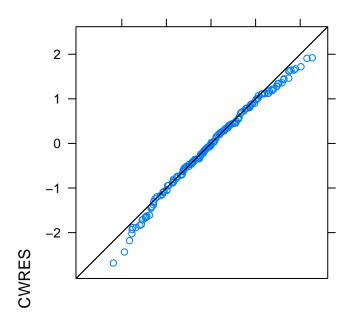
Model 2
Residuals vs. Time for female data



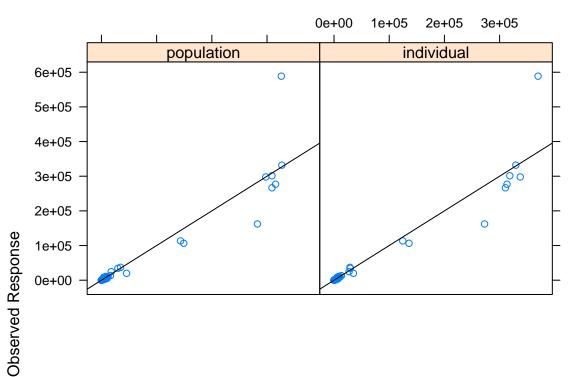
Model 2
Normal Q-Q Plot Residuals for female data



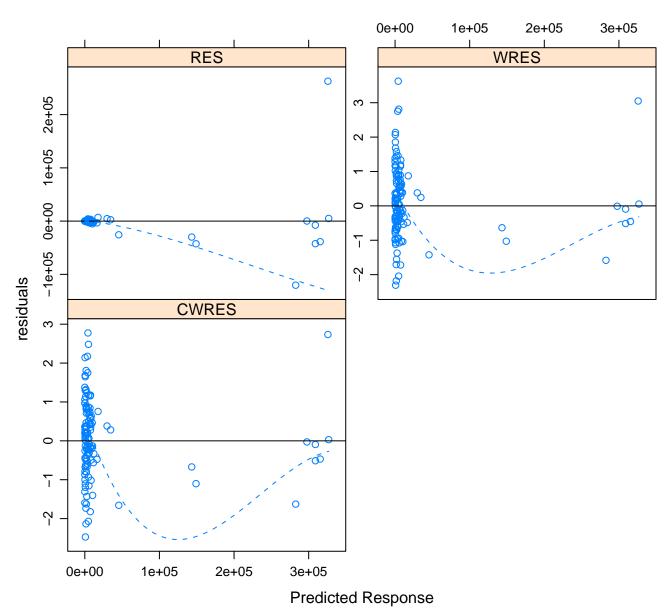
Model 2 Q-Q Plot of CWRES vs. WRES for female data



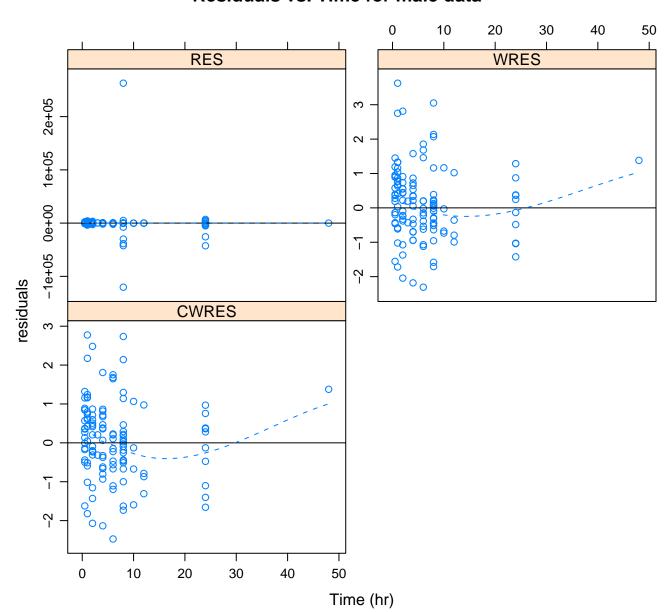
Model 2
Observed vs. Predicted for male data



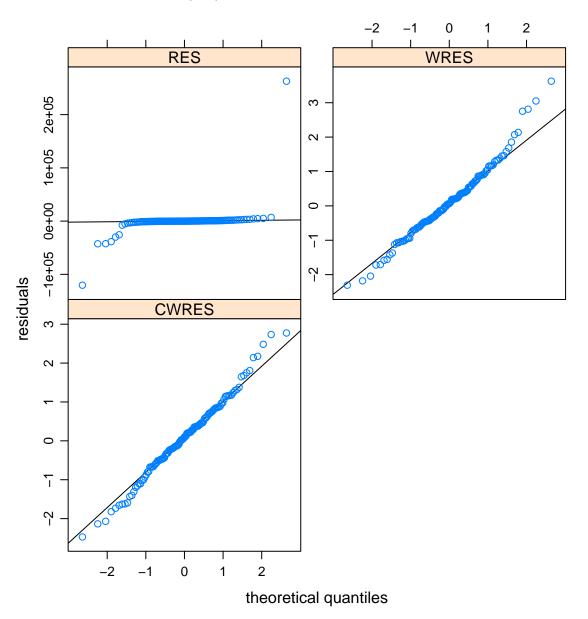
Model 2
Residuals vs. Predicted for male data



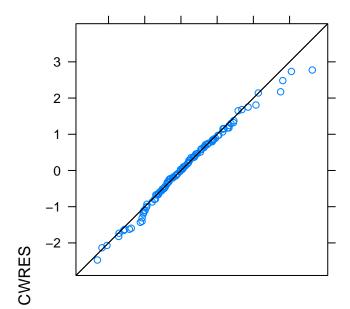
Model 2
Residuals vs. Time for male data



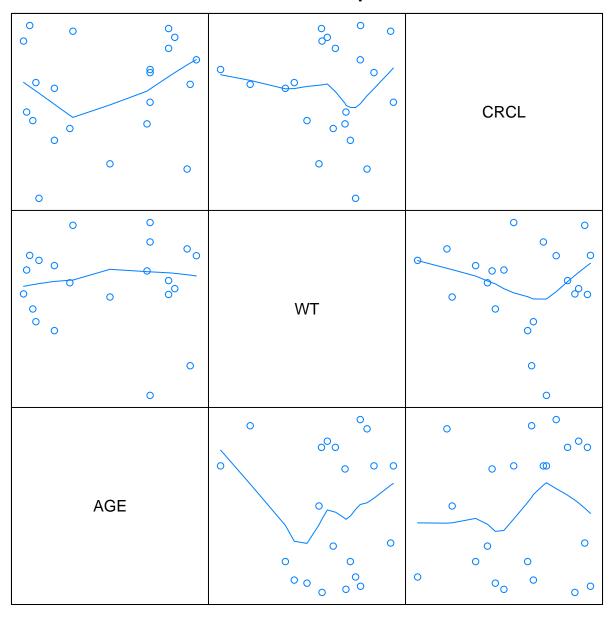
Model 2
Normal Q-Q Plot Residuals for male data



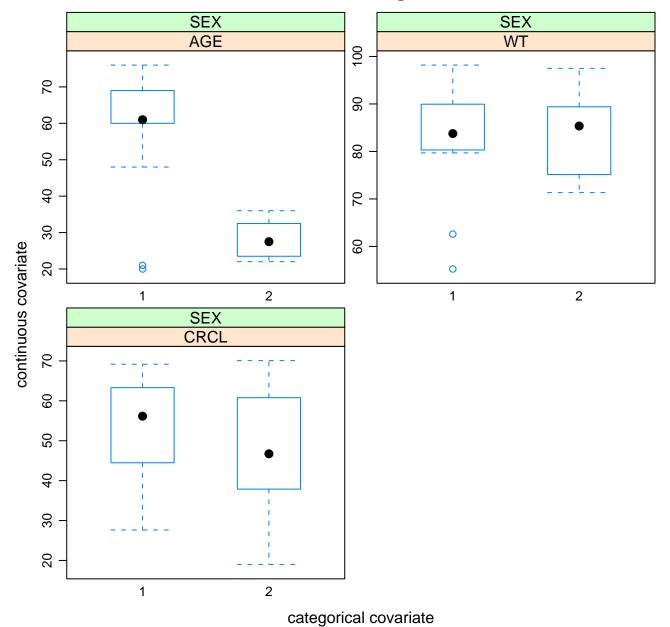
Model 2 Q-Q Plot of CWRES vs. WRES for male data



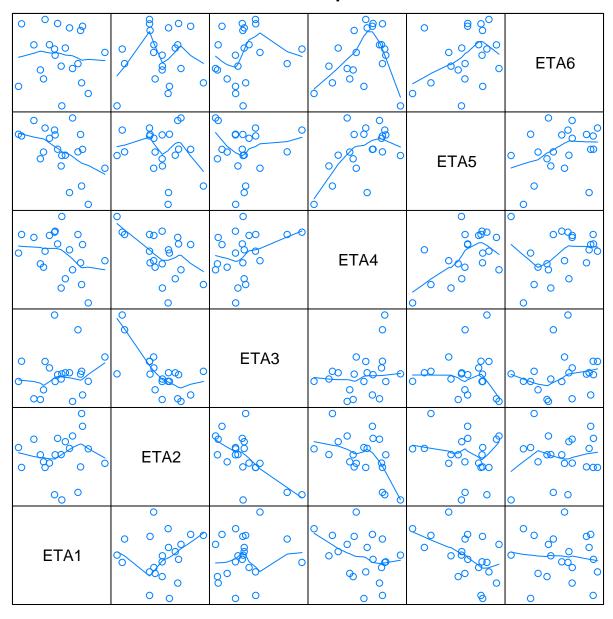
### **Covariate Scatterplots**



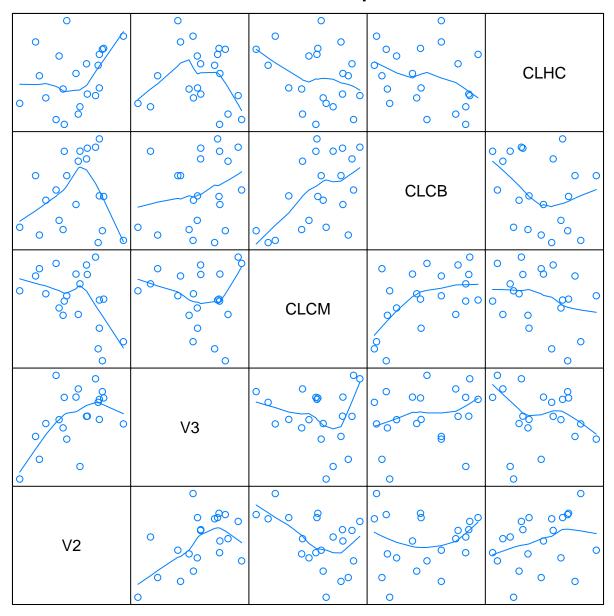
# **Continuous Covariates vs. Categorical Covariates**



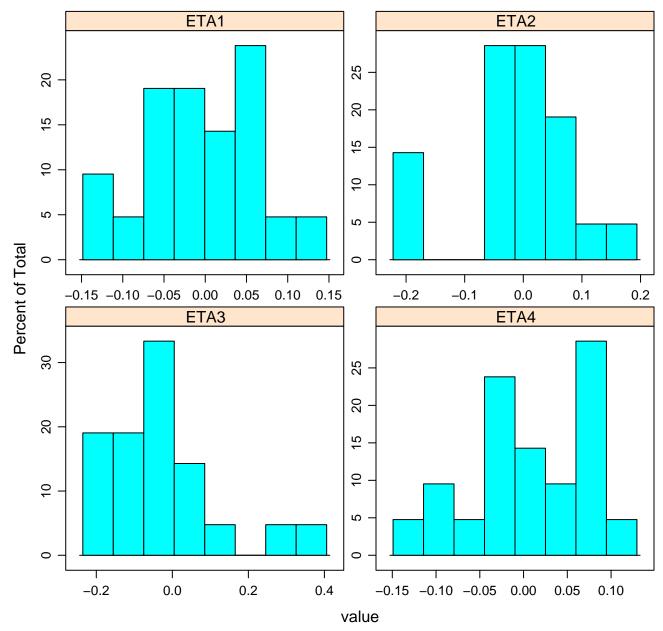
#### **ETA Scatterplots**



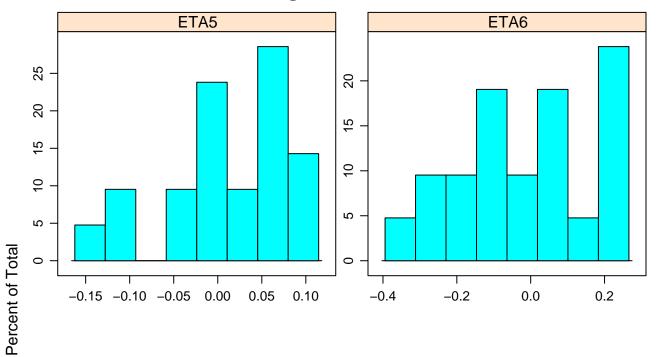
### **Parameter Scatterplots**



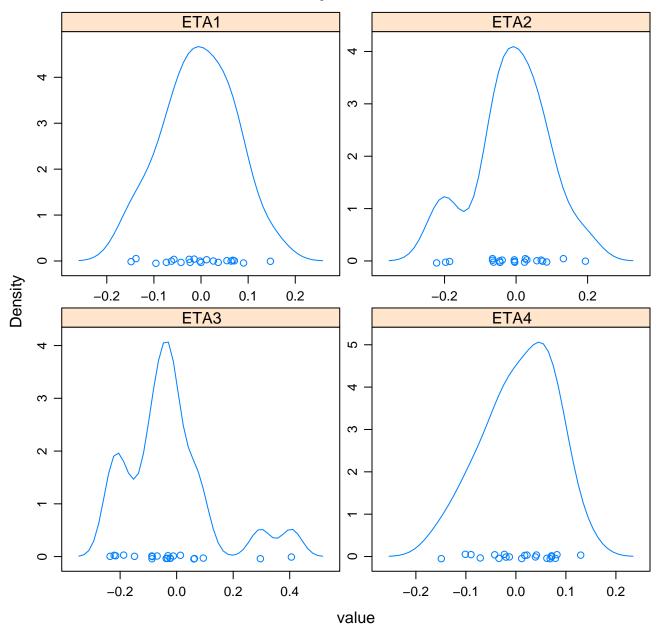
**Histograms of Etas** 



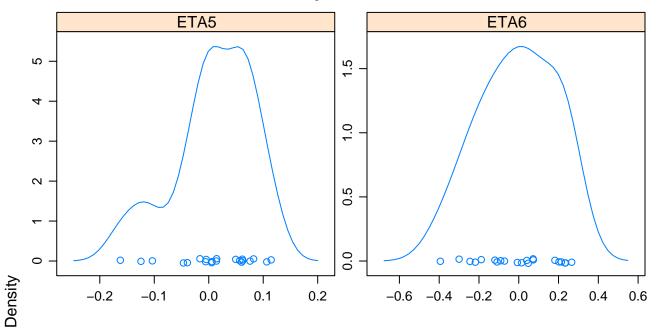
## **Histograms of Etas**



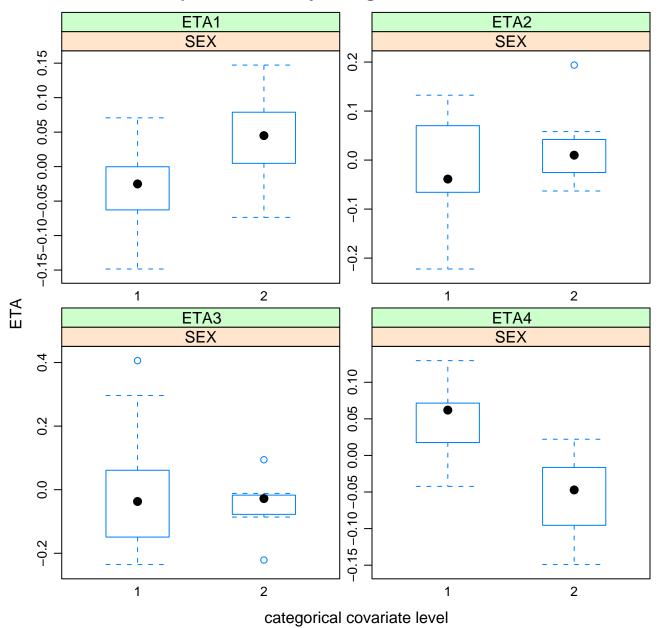
**Density of Etas** 



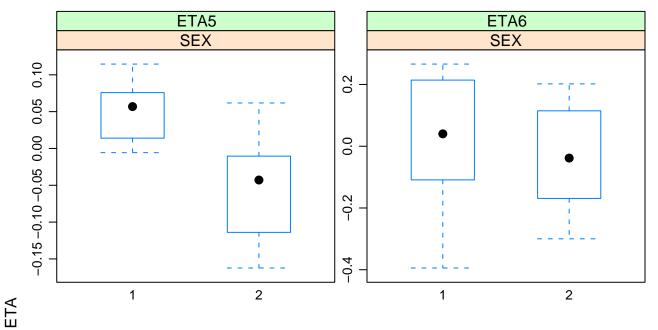
## **Density of Etas**



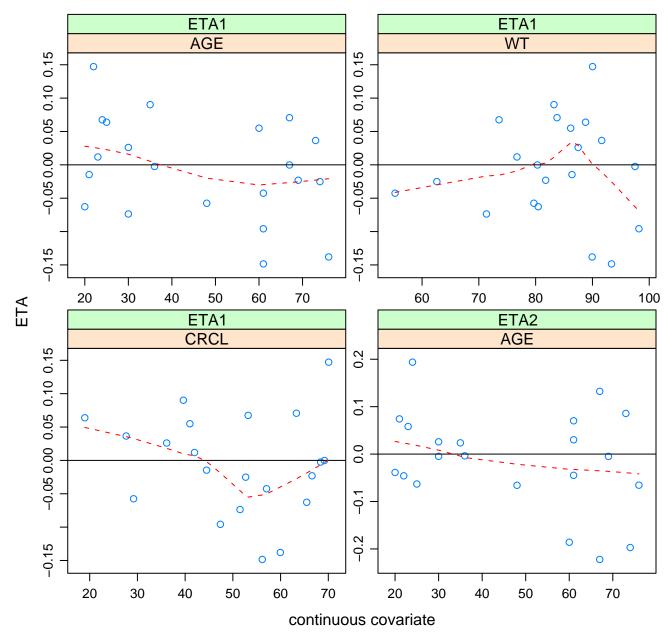
### **Boxplots of Etas by Categorical Covariate**



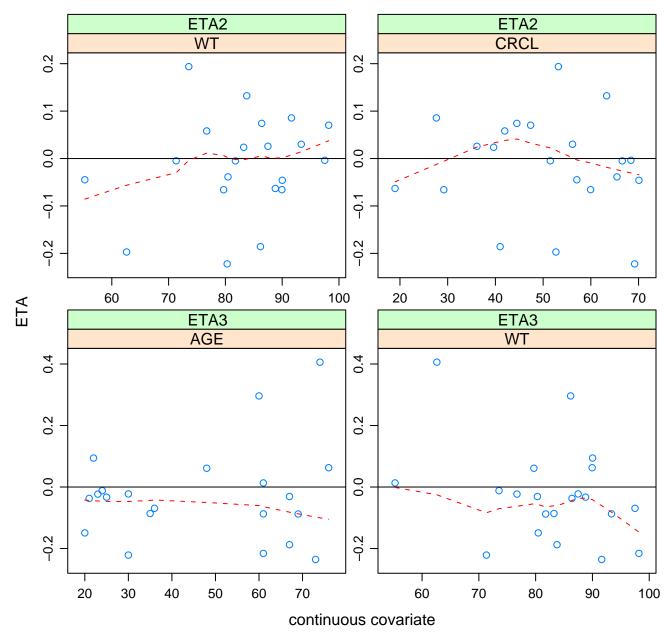
## **Boxplots of Etas by Categorical Covariate**



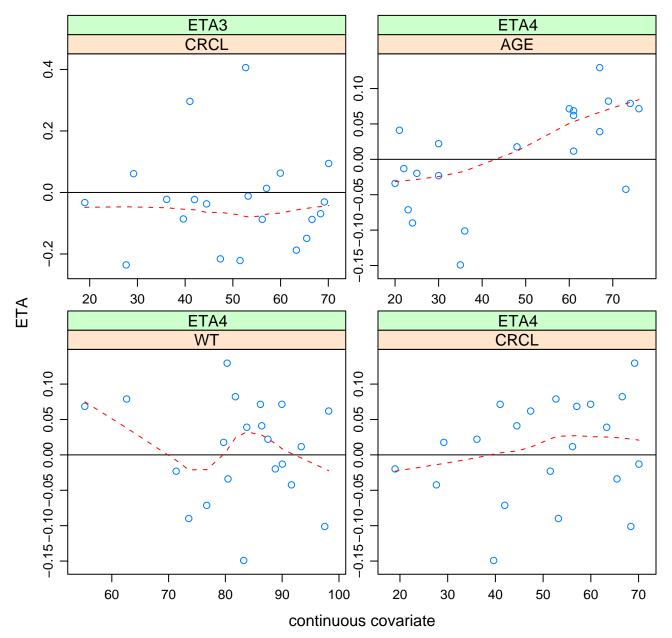
**Etas vs. Continuous Covariates** 



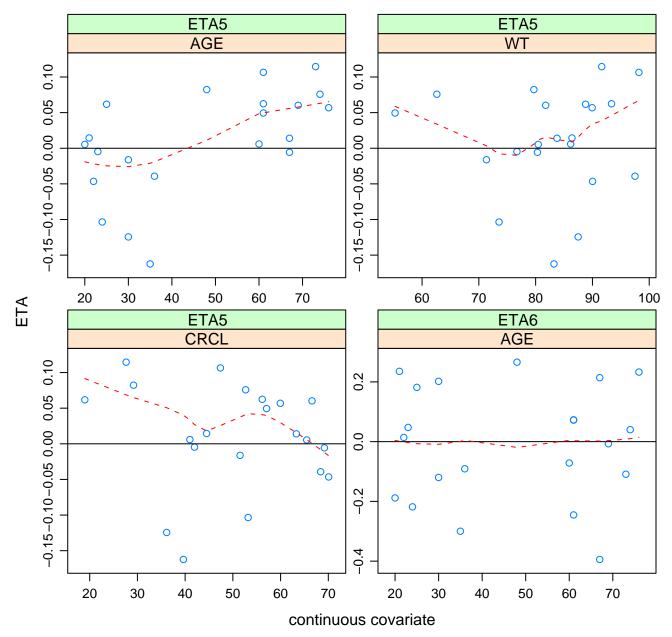
**Etas vs. Continuous Covariates** 



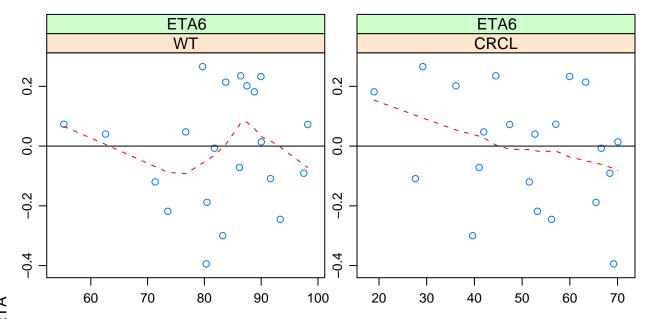
**Etas vs. Continuous Covariates** 



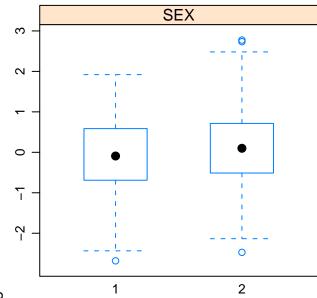
**Etas vs. Continuous Covariates** 



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



## **CWRES vs. Categorical Covariates**



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

