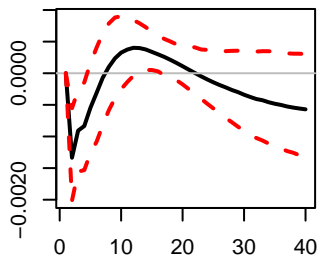
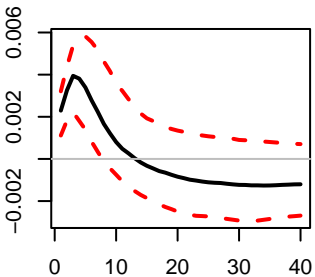


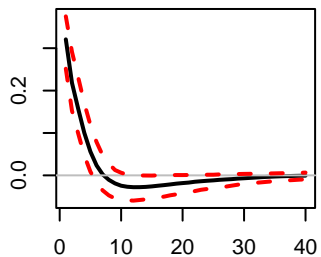
**Effect of Sentiment on TFP**



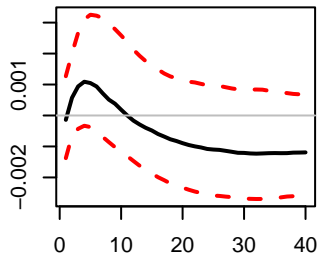
**Effect of Sentiment on GDP**



**Effect of Sentiment on E12**



**Effect of Sentiment on Consump**



**Effect of Sentiment on Hours**

