# Analyzing Global Terrorism Using Bayesian Hierarchical Models & Logistic Regression

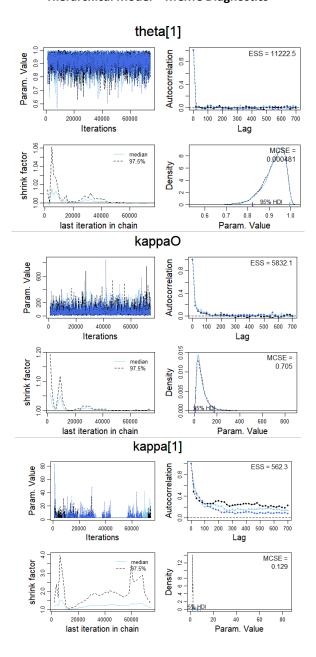
Author: Will Noone

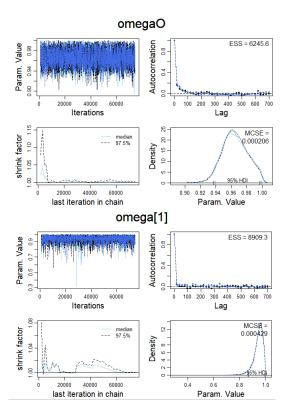
George Washington University: DATS 6450 – Bayesian Methods for Data Science

### **Appendix**

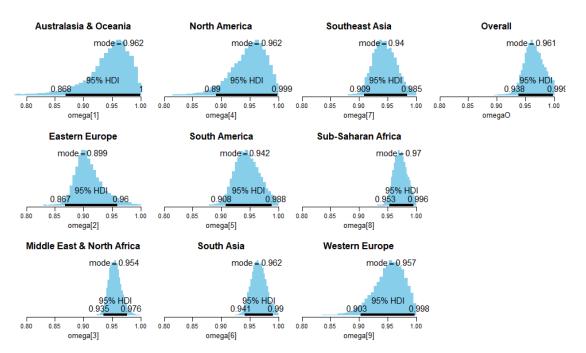
### Analysis #1 - Hierarchical Model

### **Hierarchical Model - MCMC Diagnostics**

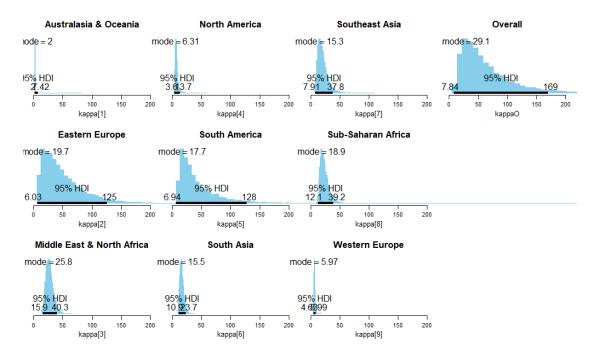




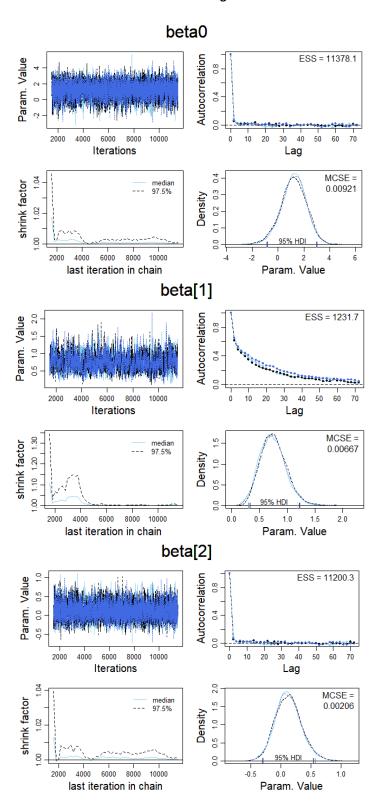
### Hierarchical Model - Posteriors for Omega

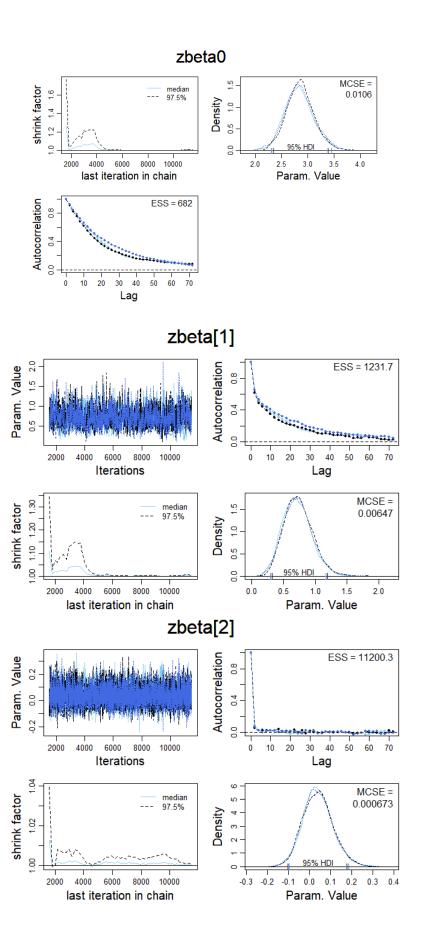


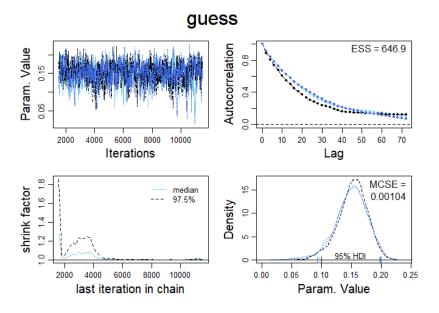
## **Hierarchical Model – Posteriors for Kappa**



**Model 1: MCMC Diagnostics** 







**Model 2: MCMC Diagnostics** 

