1   Jeremy's Report

The project idea was Dr. Kakar's. All scholarly works were handled entirely by Alexis. I handled data collection and created the slides for our in-class presentation. Both of us did initial research of Lyme disease together on CDC's website. While Alexis handled many of the initial observations and simple forecast methods, I handled modeling past that for both univariate and multivariate methods. That being said, the two of us utilized Github to work on the same R script so we could review each other's code. This meant all interpretations and residual analysis were done jointly so that any part of the report could be written by either person, which we also did together.

2   Alexis's Report

The idea of the project came from us reading the scholarly papers of google trends passed down and us looking up that tick borne disease have tripled in recent years. Both Jeremy and I focus on the literature review and found ideas worth mentioning in the paper. The paper was done together and both of us contributed and discussed ideas throughout the paper. The 96 observations was collected by Jeremy. I handled most of the initial observations methods while Jeremy did the uni variate and multivariate methods. Jeremy and I both attempted to do nonlinear modeling. All interpretation was done together along with any other analysis.