Jordan Roberts

July 10, 2020

BAN 530

Analytical Methods/Software

For my analysis of this COVID-19 data, I will be using a variety of software programs. I plan to employ Tableau for data visualizations, as well as Excel for additional visualizations if necessary. I will also be using Excel for descriptive analysis in the form of Pivot Tables. I will be adding new fields for regions of the US based on US Census criteria, as well as proportional data for datasets without them.

For predictive analysis, I will be using JMP Pro 15 for its ease of use, but I also want to challenge myself to utilize R for similar purposes and to compare the results from JMP. With JMP, I plan to try a few predictive methodologies to find the most effective one. I will then use those results and compare them with R’s algorithms to find common ground, if there is any.

For my prescriptive analysis, I will create a Word document for my JMP findings as well as a markdown for R results in Word. I will explain my code and analytical methods fully and acknowledge my initial questions regarding regions of the US/world that require the most help in containing this pandemic. In addition, I will prescribe possible courses of action for these regions in order to help reach this goal.