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Peer Review Comments
Due: Nov 10, 2021

Peer Review Summary

In class on the third, I talked to two of my peers about my final project and where I was at with working towards answering my problem statement. I told them that I wanted to use Multiscale geographically weighted regression (MGWR) modeling to look at the incidence rates between COVID-19 cases and flights taken to Hawaii and Puerto Rico. I hadn't made much progress on my project other than having a large scale plan for what I wanted to achieve. My classmates helped me mull over the idea and tried to push me to solidify more details and to potentially narrow my scope. They had concerns about Puerto Rico and whether or not data would be available by county because technically Puerto Rico doesn't have counties but rather 'Municipios' or municipalities.

Some questions that my classmates had for me were what resolution my data would be in depending on what COVID data I could find, what airports are actually used to fly into, and what time frame did I want to analyze. I needed to find data and download it urgently and figure out the answers to these questions. Ultimately, I easily found COVID data at the state and county level. I also found flight data by airport and airport data with information about in which county and which state the airport is located. I also decided to focus on a six month time frame within spring and summer of 2021 as many people were out and taking trips this year. Specifically this includes the months March through August.

Because I have never done statistical analyses, the professor urged me to initially produce visualizations of the data and do some visual analysis and comparisons between my areas of interest and the rest of the United States. The professor also implored me to do so by working through a decision tree answering questions such as 'did Hawaii and Puerto Rico have more covid cases than other states (normalized vs non-normalized)?' and 'If they did, did they also have more flights than other states (normalized vs non-normalized)?' as well as others that I thought of along the way. I am currently finishing up answering these questions.