**Final Paper – Villanti 185/200**

* Abstract, keywords, and reference (5 pts)

Very nice abstract. Clear what you will be addressing in the manuscript.

5/5

* Introduction (25 pts)

Good job introducing the socio-economic issues, however you should also address the potential statistical issues here and challenges that you will face in modeling spatio-temporal data.

22/25

* Literature Review (25 pts)

Similar to feedback on intro, you should also address the statistical approaches these other authors used and compare/contrast with your approach. Good job finding relevant literature, just need to engage a little more with it.

22/25

* Methodology (55 pts)

Careful being too conversational in tone. Statements like “We came up with three models” generally aren’t used in academic writing, just say what you did.

Good job linking your models together and comparing/contrasting the different approaches. I don’t understand the shift from $j$ to $t$ though between model 3.1.2 and 3.1.3.

53/55

* Experimentation and Results (55 pts)

Section 4 is largely unnecessary. Although you have to do a ton of data cleaning in the project, it’s not necessary (or typically appropriate) to discuss in the report.

Good analysis of covariates. WAY too precise for reporting of your P values. If it’s really tiny you can just say $\approx 0$.

Just as a side note. In LaTex you need to use `` ‘’ to create quotes. The “” doesn’t render properly.

Good model selection/assessment.

52/55

* Discussion and Conclusions including ethical considerations (35 pts)

Overall, pretty good discussion/conclusion. I’d like you to engage a bit more with the ethical considerations. Discuss the differences between what you did and identification of root causes. What are the ethical limitations of the ‘Chiraq’ model? Does calling a model ‘Chiraq’ have any ethical implications or bias the reader in any way?

31/35