**Final Paper – Chrisman 183/200**

* Abstract, keywords, and reference (5 pts)

Give us the key finding right away in the abstract. You write – “This model did XXX,” “This model did YYY”. Eventually it seems like you settle on the ‘Chiraq’ model, but it’s kind of hidden. Overall good though.

4/5

* Introduction (25 pts)

In LaTex to make quotes you have to do: `` ‘’ The normal “” don’t render properly.

You do a good job in the intro of introducing the socio-economic problem, but you should also address some of the statistical challenges that you will encounter in the paper. Good use of research questions and hypotheses here.

22/25

* Literature Review (25 pts)

Careful saying things like “My literature review started with”. In academic writing, just tell us what you found, try to avoid the narrative style. Ditto with “To my surprise…”

Good summary of relevant literature. Good job tying it to your problem that you were analyzing.

You switch from “I” to “We” in this section. In general, “We” is preferred in academic (especially statistical or mathematical) writing.

24/25

* Methodology (55 pts)

Very nice looking plot in Figure 1. Good job tying your exploratory analysis to your models. Be consistent in how you write models. For Model 2 you stipulate Y ~ Pois. But this is missing in your first model. Overall, your models look nice though.

53/55

* Experimentation and Results (55 pts)

Proofread! Look at Section 8, you left in part of the prompt.

Some awkward sentences. For e.g. “However, we will go into much more complicated models.”

You mention over-dispersion for the Poisson, what was your estimate of $\phi$? This should be given.

In Section 8.2 – “reflecting a substantial model fit.” Not clear what this means. In 8.3, INLA is not a framework, it is a method for fitting a model. Bottom of page 9, “Chiraq Model, plot again,” sounds awkward. This entire section could use a re-look, proofread.

45/55

* Discussion and Conclusions including ethical considerations (35 pts)

This section is really good. You clearly outline the major ethical considerations and do a good job of summarizing the key findings.

35/35