Sifeng Li – peer review for Ziyan's paper01

Title
Well done! Title is very direct and intuitive!

Author/Contact Info
Well done! Could include the data that you completed this paper as well!

Abstract
I think it's great that you use only one sentence to express what you did in each section of the paper. I love that you pointed out directly which method you are using as doing your analysis! Suggestions might be 1) explicitly say that which variables should be included in your final chosen model as the result part. If that's being added, it would be perfect! 2) re-read sentences and correct some minor mistakes for example missing "we" before "use a county demographic…"

Introduction
I love the background you addressed at the beginning of the paper to show why it is important to read this paper. I also like you listed all research questions in a concise and clear way. One suggestion I could think of is that you can add motivation of why we do the research/analysis at the beginning of this section to make readers understand why they should read this paper. Also, be sure to paraphrase the research questions instead of just listing what professor wrote in the project requirement sheet!

Data
I love your introduction on the context of the dataset, it's very clear and informative! Also, your summary tables of variable definitions and quantitative analysis look neat and nice! Suggestions for this section might be 1) it might be helpful to make the summary table of statistics on both continuous and categorical variables bigger, since right now it's a bit too small to see them clearly; 2) try to add more descriptive sentences after each plot/summary table to make sure your readers understand the most important information on you making this EDA.

Methods
I love that you labeled methods for each section clearly and layed out methods you were using in a straightforward way. There's nothing I could think of to improve this section!

Results
I really like that you put result for each research question in a very structured way. The information you wrote down here are enough for me to understand the paper. However, I do have suggestions on for the part one, if you choose to make the table to show the relationship, it's better for you to add some interpretation on the table otherwise it's a bit confusing. For part two, I guess there are can be elaboration on it for example, why you use ANOVA tests and from which statistics/logic you decide to include/not include the variable. Also, make sure to check the formatting of the entire paragraph with the word size and formatting being consistent.

Discussion

I really like that you put discussion for each research question in a very structured way. I feel like with the statistical setting, you explain the choosing model very well. Also, you address the fourth problem on the project sheet in the limitation/next step section at the end, but I feel like you can think of it as a result of whether that's randomly selected sample and say something related to it. One suggestion is that maybe consider about include some real-world setting explanations on the variable selection for example in the way of letting social scientists understand the question.

Mechanics

Fair enough! Paper is easy to follow, but be sure to read through your entire paper before submitting the final draft to make sure everything puts in the right place!

Statistical Content

Fair enough! Correctly uses technical and non-technical material we have learned in class. Analysis makes sense to me!

References & Citations

Please do not forget to cite all sources with correct format after your discussion section!

Technical Appendix

Easy to follow! Complete analyses: have R code, output, graphs, tables! One suggestion would be go through your technical appendix again before submitting the final paper and maybe add something detailed explanations on why you used the method.