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Professor McDonald

Human Centered Data Science

14 December 2021

Dallas, Texas – COVID-19, Mask mandates, Unemployment, and Uninsured health insurance rates

1. Introduction
2. Introduction

Why is this analysis interesting or important (to people besides you)? Does it solve a real problem or tackle an unresolved research question?

1. Background/Related Work

What other research has been done in this area? How does this research inform your hypotheses, your analysis, or your system design? What are your hypotheses or research questions?

For these COVID related questions there may not be peer-reviewed publications that are directly related to your hypothesis. There may be anecdotal claims in the popular press (blogs, newspapers) related to your analysis.

1. Methodology

Not just your analytical methods, but also, why you chose them, and how human-centered considerations such as ethics informed the way you designed your study.

1. Findings

What did you find? Use words and figures, don’t just point to code.

1. Discussion/Implications

Why are your findings important or interesting; How could future research build on this study?

This section should include a thoughtful reflection that describes the specific ways that human centered data science principles informed your decision-making in this project.

1. Limitations

This is a required section for your report.There are often many, many limitations for any study. If you honestly tried to list them all, this might end up being the longest section. You should prioritize and list the ones that are most likely to have a significant impact on your results. Specific license issues could be a limitation, depending on what data sources you used. Flaws in the data, data cleaning techniques, potential assumptions and/or how you handled missing values could be a limitation. Statistical techniques often have specific assumptions and preconditions; if you’re not certain all of the data meets those requirements - this is a good place to make that clear.

1. Conclusion

Restate your research questions/hypotheses and summarize your findings.  Explain to the reader how this study informs their understanding of human centered data science.

1. References

A list of publications (blogs, articles, research papers) that you refer to in your text.

1. Data Sources

A list of links to the relevant data sources that you used.