

Case Study Rubric

DS 4002 - Instructor: Loreto Alonzi

Due: TBD

Submission format: upload link to github repository in Canvas

Individual Assignment

Why am I doing this? This case study allows you to utilize your conceptual and technical data science skills to investigate an important issue. In working through this case study, you will discover the capabilities of data science to be used in the “real world”.

What am I going to do? The github repository for this case study can be found at <https://github.com/anikatrip/CS2-DS4002>. In this case study, you are tasked to use your data science skills to explore trends in our current society. The primary data used for this case study will be provided as well as code to guide your analysis. Through use of the repository provided, you should be able to understand the motivation behind the case study and provide an answer to the question. Ultimately, you will provide a write up of your investigative processes, results, and conclusions and provide any materials used.. The deliverable will include:

- GitHub repository link containing code and any other materials
- PDF write-up with references

How will I know I have succeeded? You will meet expectations on the Case Study when you follow the criteria in the rubric below.

Spec Category	Spec Details
Formatting	<p>Submit the following components”</p> <ul style="list-style-type: none">● GitHub Repository<ul style="list-style-type: none">○ Contents of the repository will be outlined in the Spec Category below● Written Portion<ul style="list-style-type: none">○ 1-page PDF turned in separately on Canvas as well as uploaded to the GitHub repository● References<ul style="list-style-type: none">○ Include references both in the written portion and in the GitHub repository

<p>GitHub Repository</p>	<ul style="list-style-type: none"> ● README.md <ul style="list-style-type: none"> ○ Include purpose of the case study ○ Outline components of the repository ● Scripts folder <ul style="list-style-type: none"> ○ Include any code used in this folder ● Data folder <ul style="list-style-type: none"> ○ Include any data used in the scripts or analysis ● Written Portion ● References
<p>References</p>	<ul style="list-style-type: none"> ● References should be in IEEE citation style <ul style="list-style-type: none"> ○ Include all resources used including the materials provided in the case study repository
<p>Written Portion</p>	<ul style="list-style-type: none"> ● 1-page PDF <ul style="list-style-type: none"> ○ Upload to canvas and GitHub repository ○ 12pt font ○ Single or double spaced ○ Times New Roman ● Components: <ul style="list-style-type: none"> ○ 3 paragraphs <ul style="list-style-type: none"> ■ Paragraph 1: summarize the case study, motivation, and plan to investigate ■ Paragraph 2: walk through the analysis and discuss any challenges ■ Paragraph 3: communicate your findings and reflect on the process

Acknowledgements: Special thanks to Professor Alonzi for his rubric that this document was structured upon. The structure is pulled from Streifer & Palmer (2020).