Product Development

Assignment

In this final Capstone Project, you’ll apply the skills learned by building a data product using real-world data. This assignment is due 12/8/2022.

Exercise

* Project during the course, the students will work on a problem of their interest.

* The project should follow the steps outlined during the lectures, that is, literature review, design, data collection, data analysis, and data presentation.
* The goal is to create a shiny app for a problem of your choice. Some example could be a word prediction, data representations with different R visualization, etc.. A set of visualizations that allows you to perform some kind of interesting analysis with your data. In addition, you need to create a ppt presentation (**no video**) explaining the project and showing some interesting insights that can be gained from it. You can pretend you are giving a presentation for a specific purpose if you like (for example a business meeting, an academic conference, etc.). Your visualizations need to demonstrate the various skills you have learned. They should adhere to the principles we have discussed.
* For this final part you will be graded on the following areas:
* a. Background material – did the presentation tell us what the data were and why they were interesting?
* b. Data – was the dataset sufficiently complex and interesting enough to justify its use? c. Insight – did the visualizations or tool created allow for interesting insight into the data?
* d. Principles – did the visualizations adhere to the principles and were violations of the principles warranted?
* e. Story – did the presentation give us an interesting/compelling story about the data?
* Describe what your application does. What to expect from it? Where the data comes from?
* Finally, you must deploy your product using git (or drop the files) and GitHub. Add links to your PowerPoint presentation to show the GitHub repository and the Product Development.