OSU AI Bootcamp - Project 1 Proposal

Google Forms <forms-receipts-noreply@google.com>   Tue, Apr 9, 2024 at 8:42 PM
To: awilson79@gmail.com

Thanks for filling out OSU AI Bootcamp - Project 1 Proposal

Here's what was received.

OSU AI Bootcamp - Project 1 Proposal

Submission of this for is acknowledgement and understanding of this rubric, it's content, and what you are responsible for as an individual or group.

Project presentation date : Monday April 22, 2024.
Proposal Due Date: Thursday April 11 2024 (before the start of class). One person to submit a proposal for the group.

Your Proposal must be APPROVED. Assume it is until otherwise noted to allow for you and your group to continue to work. The instructor and TA will audit this but you must be working in the mean time.

Technical Requirements:

The technical requirements for Project 1 are as follows:

Software Version Control (10 points)

- Repository is created on GitHub (2 points).

- Files are frequently committed to the repository (3 points).

- Commit messages include an appropriate level of detail (2 points).

- Repository is organized and includes relevant information and project files (3 points).

Documentation (10 points)

- Code is well commented with concise, relevant notes (3 points).

- GitHub README file includes a concise project overview (2 points).

- GitHub README file includes detailed usage and installation instructions (2 points).

- GitHub README includes either examples of the application, or the results and a summary of the analysis (3 points).

Analysis and Conclusion (30 points)

- Findings are strongly supported with numbers and visualizations (10 points).

- Write-up summarizes major findings and implications at a professional level (10 points).

- Each question in the project proposal is answered with precise descriptions and findings (5 points).

- Each question response is supported with a well-discerned statistical analysis from lessons, such as aggregation, correlation, comparison, summary statistics, sentiment analysis, and time series analysis (5 points).

Visualizations (20 points)

- 6–8 visualizations of data (at least two per question) (10 points).

- Clear and accurate labeling of images (5 points).

- Visualizations supported with ample and precise explanation (5 points).

Presentation Requirements (30 points)

Your presentation should cover the following:

- An executive summary or overview of the project and project goals (5 points).

- An overview of the data collection, cleanup, and exploration processes (5 points).

- The approach that your group took in achieving the project goals (5 points).

- Any additional questions that surfaced, what your group might research next if more time was available, or share a plan for future development (5 points).

- The results and conclusions of the application or analysis (5 points).

- Slides effectively demonstrate the project (3 points).

- Slides are visually clean and professional (2 points).

Email *

awilson79@gmail.com

Enter Group Number or Name *

Group 3 - Traffic Pandas

Enter Project Title *

I94 WB: Traffic / Weather / Holiday Analysis

Enter team members first and last name *

Anand Punwani
Rajeev Daithankar
Matt Harper
Tony Wilson

Enter project description *
What will be the project about?

We will be observing the data between 2012 and 2018 of i-94 wb to show trends in traffic volume based on the weather (with holidays accounted for) for the given time frame as well as predicting how future traffic will look in the years after the data

Enter project objective(s). *
Based on the previous question, Why do you choose this type of project?

The purpose for this inquiry is to find if there are specific days or times that would be best or worst for the interpreter if they are attempting to avoid high traffic volume.

Enter research questions to answer, problem to solve, workflow to enchance, ect. *
How would you structure your initial questions to start finding answers to your project objective?

- Determine impact of holidays on traffic volume
- Determine impact of rain on traffic volume
- Determine impact of snow on traffic volume

- Determine impact of clouds on traffic volume
- Determine impact of time of day on traffic volume

Enter links or describe datasets to be used. Biggest Roadblock - you cannot have a project with no data to support it.

Suggestion - You need to find data FIRST, then ideate around that.

It's OK to use Kaggle and Google - BEWARE. Re-use of mass online or any online code or analytics will be considered plagiarism (this includes ChatGPT and GenAI) and could result in loss of certification.
 *

https://archive.ics.uci.edu/dataset/492/metro+interstate+traffic+volume

Enter rough breakdown of tasks assignments for each team member. This should generally be an even distribution of tasks. we cannot, and don't grade for ideation or ppt creation. Everyone needs to contribute technically or no grade is given which could result in no certification. Each team member has to present a part of the presentation. *

1. Communication Plan - Slack/Zoom - Team
2. Set up an agile project by using GitHub Projects - Tony
3. Milestone/ Timeline
a. Project ideation; - Team
b. Data fetching; - Rajeev
c. Data exploration - Rajeev
d. Data transformation - Anand
e. Data analysis - Tony & Matt
f. Testing - Team
g. Creating documentation - Tony (peer reviewed by all)
h. Creating the presentation - Team