In this discussion, you will share your US Traffic Accident Analysis project with your peers in a **10 minute video presentation**. In your video, you will want to highlight your analysis process, key findings, and the three data-driven recommendations you developed via the presentation of a slide show, followed by a screen-share walkthrough of your interactive dashboard.

Additionally, **provide a written reflection on your experience,** including your successes, challenges faced, and how you would improve your project if given more time or resources.

This showcase gives you practice in communicating technical findings to stakeholders, which is a crucial skill in the data science profession.

This discussion will have two parts:

1. Initial Post
   1. Video Presentation of Your Project

**Create a 10 minute video presentation**.

Your presentation should be concise, professional, and focused on communicating the value of your analysis to non-technical stakeholders.

**Make sure to include the following**:

* **Brief introduction** to yourself, the business problem, and the dataset.
* **Overview**of your data preparation approach and key decisions made.
* **Key findings** with supporting visualizations.
* **Three data-driven recommendations**with expected impact.
* **Demonstration**of your interactive dashboard.
* **Conclusion**and**next steps.**

For your presentation, imagine you are presenting to transportation officials who have the authority to implement your recommendations but have little to no familiarity with technical Data Science concepts. Focus on clarity, impact, and actionability rather than technical details.

**Resources**

Here are some resources to help you get started:

* **Communication and Presentation Tools:** [Canva](https://www.canva.com/), [Google Slides](https://workspace.google.com/products/slides/), [Powerpoint](https://www.microsoft.com/en-us/microsoft-365/powerpoint" \t "_blank)
* **Media Recording Tools**: [ZoomLinks to an external site.,](https://www.zoom.com/" \t "_blank), [Google Meet RecordingLinks to an external site.](https://support.google.com/meet/answer/9308681?hl=en), [Canvas media recordingLinks to an external site.](https://community.canvaslms.com/t5/Canvas-Basics-Guide/How-do-I-record-media-using-the-Rich-Content-Editor/ta-p/618235), or[Loom](https://www.loom.com/)
  1. Written Reflection

In your initial discussion post, include a reflection following your recorded presentation.

**Your written reflection (suggested length of 200-400 words) should address:**

1. **Accomplishments:**

* What aspects of the project were most successful?
* Which techniques or approaches yielded the most valuable insights?
* What did you learn about working with real-world data?
* Which aspect of the project are you most proud about?

1. **Opportunity for Growth:**

* What challenges did you face during the project?
* How did you overcome them?
* What would you do differently next time?
* What technical or analytical skills do you need to develop further?

1. **Future Improvements:**

* How would you extend or improve this analysis if you had more time, data, or resources?
* What additional questions would you explore?
* How might you enhance your dashboard or recommendations to provide even more value?
* If you could request additional data (new information) what would you think would be beneficial to explore?

1. Response to Peers

After you make your initial post showcasing your project,**review and comment on at least one peer’s initial post showcasing their project.**

Use the following to guide your response to peers:

* Highlight one aspect of their analysis that was particularly effective or insightful.
* Suggest one area where their analysis could be enhanced or expanded.
* Share how their approach has influenced your thinking about data analysis or how you might apply one of their techniques in your future work.
* Provide feedback on the clarity and effectiveness of their dashboard for communicating insights.
* Highlight one visualization you think provided effective evidence and why.
* Highlight one visualization you think could be improved for more effective communication.
* Contrast one difference between how you approached something versus how they did it, not necessarily a right or wrong.

Read through the requirements below for each required part of this discussion. Make sure to review [the rubric](https://bletchley.instructure.com/courses/402/discussion_topics/1824?module_item_id=47934#transformedTip0Content) before you get started to know exactly how you will be graded on each piece of this discussion.