***Executive Summary:***This will be a summarized version of your story.

* + *Teaser image*(screenshot) of a central Viz of your story. Think of it as a thumbnail that you could advertise for your project.
  + Not more than a page long describing the storyline. Ideally, a paragraph with some bullet points.
  + You must include the Big Idea and either a 3-minute story or a summary of each slide/sheet of your story and interactive dashboard.

***Basic Info:***

* + Project title.
  + A list of all team members

***Data*:**

* + Clearly describe the source(s) of your data (see the Dataset section under [Project Description](https://uiowa.instructure.com/courses/209979/pages/project-description). Make sure to include a link to the data source(s) or attach the data files.
  + Description of your data in both domain-specific and abstract language (dataset type, scale/cardinality, etc).
  + Briefly describe the data preprocessing steps you took, if any.
    - Did you need to preprocess or clean up the original data? Did you need to join multiple datasets?
    - Mention the software/tools you used for preprocessing.

***Visualizations:***

* + For the interactive dashboard, describe the visualization interface that you have built. What views are there, and what do they allow users to do?
    - For each view, describe your visual encoding choices. You should analyze the visual encoding of the most complex view in detail in terms of marks and channels.
    - How can users interact with your project within each view, and how are views linked?
    - Provide a rationale for your design choices for both visual encoding and interaction.  Why are your choices appropriate, in terms of the principles covered in this course, for your chosen data and tasks?
    - Screenshots illustrating all aspects of your design are mandatory.
  + For static visualizations,
    - Briefly describe the need for the viz and the task it serves.
    - Provide a rationale for your design choices for visual encoding (marks and channels).

***Usage Scenario***

* + Include a usage scenario walking through how your current visualization can be used during an interactive session, illustrated with screenshots of your system in action.

***Reflection:***

* + What was the most enjoyable part of the project? and the least enjoyable?
  + Describe how your project has developed from your initial proposal, through your first submission, to your final product.
  + How have your visualization goals changed?
  + How have your technical goals changed?
  + How realistic was your original proposal in terms of what is technically possible in Tableau/PowerBI?
  + Was there anything you wanted to implement that you ultimately couldn't figure out how to do? If so, then what workarounds did you employ, or did you abandon your original idea?
  + If you were to make the project again from scratch (or any other interactive visualization), what would you do differently?

***Project Management & Team Assessment:***

Your write-up should include a project management status update. Update your list/table of work breakdown and schedule with your current status. For each chunk of work that you have started so far, add actual numbers of how long it took to do in reality (put these next to your original estimates so you can see them side by side). Do this for both estimates, the number of hours, and the date completed. Also, add to your work breakdown any new chunks of work that you ended up needing to do that were not included in your previous plan. Briefly describe which team member worked on which tasks and their responsibilities, either within your work breakdown list/table or as a separate section afterwards. Provide totals at the bottom of your list/table.

***Credits:***

* + Indicate any sources of inspiration, including any specific Tableau, PowerBI, or any other software that you consulted or built upon.
  + Explain what changes you made and their magnitude (e.g., unchanged vs. minor tweaks vs. major functionality additions) for any code that you built upon.