**SEGMENT 1**

**Presentation (30)**

~~Content~~

~~Team members have drafted their project, including the following:~~

~~✓ Selected topic~~

~~✓ Reason why they selected their topic~~

~~✓ Description of their source of data~~

~~✓ Questions they hope to answer with the data~~

~~Note: The content does not yet need to be in the form of a presentation; text in the README.md works as well.~~

**Github (10)**

~~Master Branch~~

~~✓ Includes a README.md~~

~~README.md~~

~~README.md must include:~~

* **~~BG - flesh out ‘description of data source’ section more~~**

✓ Description of the communication protocols

* ~~Everyone:~~
  + ~~Individually ideate on potential questions/sub-projects. Input into README (this will contribute to commits)~~

Individual Branches

~~✓ At least one branch for each team member~~

~~✓ Each team member has at least four commits from the duration of the first segment~~

~~Note: The descriptions and explanations required in all other project deliverables should also be in your README.md as part of your outline, unless otherwise noted.~~

**Machine Learning Model (25)**

Team members present a provisional machine learning model that stands in for the final machine learning model and accomplishes the following:

✓ Takes in data in from the provisional database

✓ Outputs label(s) for input data

**Database (25)**

Team members present a provisional database that stands in for the final database and accomplishes the following:

~~✓ Sample data that mimics the expected final database structure or schema~~

✓ Draft machine learning module is connected to the provisional database

**Dashboard (0)**

**SEGMENT 2**

**Presentation (15)**

Content

The presentation outlines the project, including the following:

✓ Selected topic

✓ Reason why they selected their topic

✓ Description of their source of data

✓ Questions they hope to answer with the data

✓ Description of the data exploration phase of the project

✓ Description of the analysis phase of the project

Slides

Presentations are drafted in Google Slides.

**Github (10)**

Master Branch

All code in the master branch is production-ready.

The master branch should include:

✓ All code necessary to perform exploratory analysis

✓ Some code necessary to complete the machine learning portion of the project

README.md

README.md must include:

✓ Description of the communication protocols

✓ Outline of the project (this may include images, but should be easy to follow and digest)

Note: The descriptions and explanations required in all other project deliverables should also be in your README.md as part of your outline, unless otherwise noted.

Individual Branches

✓ At least one branch for each team member

✓ Each team member has at least four commits for the duration of the second segment (eight total commits per person)

**Machine Learning Model (30)**

Team members submit the code for their machine learning model, as well as the following:

✓ Description of preliminary data preprocessing

✓ Description of preliminary feature engineering and preliminary feature selection, including their decision- making process

✓ Description of how data was split into training and testing sets

✓ Explanation of model choice, including limitations and benefits

**Database (30)**

Team members present a fully integrated database.

✓ Database stores static data for use during the project

✓ Database interfaces with the project in some format (e.g., scraping updates the database, or database connects to the model)

✓ Includes at least two tables (or collections, if using MongoDB)

✓ Includes at least one join using the database language (not including any joins in Pandas)

✓ Includes at least one connection string (using SQLAlchemy or PyMongo)

Note: If you use a SQL database, you must provide your ERD with relationships.

Notes:

* Load PostGres
* Connect to a Jupyter Notebook
* Merge two tables
  + I think we can split our 1 table into two tables and re-merge it back with postgres

**Dashboard (15)**

A blueprint for the dashboard is created and includes all of the following:

✓ Storyboard on Google Slide(s) (presentation shell)

✓ Description of the tool(s) that will be used to create final dashboard

✓ Description of interactive element(s)

**SEGMENT 3**

Presentation

Github

Machine Learning Model

Database

Dashboard

**SEGMENT 4**

Presentation

Github

Machine Learning Model

Database

Dashboard