Data Science Career Track
Capstone Two: Final Project Report

Estimated Time: 8-15 Hours

Submission items:

1. Final Project report as PDF. The report should clearly explain the problem, your approach, and your findings. Include ideas for further research, as well as up to 3 concrete recommendations on how your client can use your findings. Please give the document an appropriate title, such as Capstone_Final_Report or Capstone_Project.
2. Finalized code in notebooks or python scripts.
3. Model Metrics file - A short document of the final model features, parameters, hyperparameters, and performance metrics. This can be a CSV file or txt file, just make it as easy to read as possible.

The documentation steps can be daunting, start by reviewing your results to develop your data story to present to stakeholders. Review the predictions of your model compared to the actual outcomes in your test dataset. Think about your planned recommendation resulting from the project and create two to four figures that support the recommendation or some other findings you found along the way that may be of interest. A few well-done figures or data visualizations is better than including 30 figures just to try to cover every possible aspect of your data. You need to develop your data

story around the figures you choose to include. You may create 30 figures before you identify the ones you want to include, but be selective in your presentation and your report.

You can also review the Guided Capstone Step 6 assignment and DSM Step 6 for reference.

> Step 6. Documentation
>
> - Review the Results
> - Present and share your findings - storytelling
> - Finalize Code
> - Finalize Documentation

Submission instructions:

1. Upload the model metrics file, project report, and slide deck to your project Github repository and submit the link here for your mentor to review.
2. Make sure all your code and notebook files are clean and in working order on Github, no need to submit anything for this step.
3. You may want to use some of your data story and model metrics file to create an attractive Readme file on your Github repo. The language of the Readme.md is Markdown the Github format specifically.
   i. Here is an example of a nice project summary in the readme.
   ii. Here is the Github Markdown guide: Mastering Markdown

Student Examples

Get some inspiration by checking out past students' final project Github repositories :

NYC Water Quality Analysis - Drew Adamski

Boston Bike Share hub location recommendations - Eunice Kim