



CAPSTONE PROJECT | DATA SCIENCE IMMERSIVE

PROJECT DELIVERABLES + TIMELINE

1. Lightning Talk | Problem Statement + Dataset(s) - Week 6

- Three-five minute presentation that describes your problem statement, defines goals and criteria for success, discusses potential audience(s), and lists 1-2 potential datasets.
- **Format:** Deck + Dataset

2. EDA | Design + Documentation - Week 8

- This will be an overview of your approach with a well-articulated summary that includes: Your “Specific aim”, Outlined methods and models, risks & assumptions, revisions to your initial assumptions & goals, and an EDA summary. Create a local database for your data. Describe any data munging needed and create a Data Dictionary for your Dataset(s).
- **Format:** Jupyter Notebook

3. Iteration | Analysis + Feedback - Weeks 9 + 10

- Document your work and get feedback on your work. Create a “Progress Report” that describes your approach, initial results, and any setbacks or lessons learned along the way. Your report should include updated visual and statistical analysis of your data. You’ll also meet with your instructional team in order to get feedback on your results.
- **Format:** Jupyter Notebooks + In-Person Discussion



4. Technical Report | Final Model + Analysis - Week 11

- Document your findings for peers and technical stakeholders, including an Executive Summary, identification of outliers, description of how you defined your variables, discussion of model selection and implementation, data overview with visualizations & statistical analysis, interpretation of findings & relation to goals/success metrics, explanation of data pipeline, description of any source code used to conduct analysis, stakeholder recommendations, and any suggested next steps.
- **Format:** Jupyter Notebook

5. Presentation | Summary + Recommendations - Week 12

- Create a 10-15 minute presentation that delivers the most important insights from your project to an audience of non-technical stakeholders. You should review your goals, methods, findings, and recommendations, conveyed with visualizations, graphics, and storytelling techniques. Include an appendix that summarizes the more technical aspects of your work.
 - **Format:** Slide Deck / PDF
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