

Data Science Capstone Project 1

Capstone Project : In-depth Analysis (Machine Learning)

Learning Objective

- Practice identifying which supervised and unsupervised learning techniques are best suited for your Capstone Project data.
- Utilize supervised and unsupervised learning techniques to build predictive models.

Criteria	Meets Expectations
Completion	<input type="checkbox"/> A 2-3 page report on the steps and findings from machine learning in-depth analysis, uploaded to GitHub.
Process and understanding	<input type="checkbox"/> The submission shows that the student applied appropriate techniques to build predictive models. <input type="checkbox"/> The submission shows that the student applied steps to build predictive models for the data in their capstone project. <input type="checkbox"/> The submission shows that a hypothesis was developed. <input type="checkbox"/> The submission includes a justification of the machine learning technique, and features selection and evaluation metrics/techniques utilized.
Presentation	<input type="checkbox"/> The submission is complete and uploaded in full.

Excellence: The submission demonstrates use of innovative ways to visualize data and uses algorithms not covered in the course with good justification and understanding, or applied existing algorithms in an innovative way, perhaps with really clever feature design.

For reference, review how this interim project fits into the [Overall Capstone Project 1 Rubric](#).