



Data Analytics Bootcamp

Capstone Project Assessment

This capstone project makes up for 100% of the total course grade.

Project Scope

Participants will be required to address a data-related problem using a financial dataset. You will acquire a real-world dataset, then prepare, clean, and analyze it to draw meaningful conclusions.

The capstone project will culminate your learning by applying the new tools and concepts learnt to create a report that includes:

- A summary of the data acquisition, cleaning, and parsing stages.
- A clear visualization or dashboard that displays insights both numerically and graphically.
- A description of high-level insights and resulting actions that are relevant to key stakeholders.

Your instructional team will help guide you and scope out a dataset that is commensurate with the skills taught in the course.

Project Requirements

1. Choose a real-world dataset from the finance-service related categories below:
 - a. Cryptocurrency
 - b. Stock investments
 - c. Insurance
 - d. Credit default risk
 - e. Fraud detection
 - f. Home mortgage/Business loan
 - g. Credit and debit cards
 - h. Forex

- i. Funds, ETFs. etc
- j. Wealth management products

Once you have chosen your desired dataset, approach one of the instructor/TAs for approval.

2. Identify the problem: write a high-quality problem statement to describe the goals of your study and criteria for success.
3. Apply the data analysis process to derive insights and findings.
4. Present data-driven insights using data visualization to key stakeholders.
5. Explain the results: Create a slide deck where you assume you are presenting your results to your manager who is non-technical.
6. Make business recommendations based on your findings.

Submission Requirements

- Slides deck including link to Tableau visualization (in .pdf format)
- Participants will be given one week to complete and upload the documents into the eLearning portal.
- When submitting, please rename your submission file to:
<FirstName>_<LastName>_CapstoneProject
- Summary of results and feedback on the submission will be given after one week of submission.