**Project requirements**

1. **Data Source:**

* Each group is required to select a data source from the internet. Preferred sources include datasets from Kaggle or any other platform that offers datasets with a public domain license.
* Ensure the data source chosen is rich enough to support a comprehensive analysis and is relevant to the selected project theme. Reach out if you have doubts.

1. **Project Requirements: Follow the complete data analytics life cycle:**

* **Define the Business Problem**: Clearly articulate the problem you are trying to solve.
* **Data** **Formulation**: Identify and gather the necessary data.
* **Data Cleaning and Preparation**: Process the data to prepare it for analysis.
* **Exploratory Data Analysis**: Conduct an analysis to uncover patterns, initial insights, and relationships.
* **Model Building**: Develop a model that addresses the business problem.
* **Evaluation**: Assess the model’s performance and the insights it provides.
* **Presentation**: Present the project during the final two days of the class (Weeks 9 and 10).

1. **Presentation:**

* Presentations will be held in Weeks 9 and 10. Each group will be given a specific date and time slot.
* Each presentation should be no longer than 20 minutes + 5 minutes Q&A.
* Each group will choose one person to present their findings and model.
* Prepare to showcase your methodology, findings, insights, and the relevance of your model to the business problem.

1. **Final submission format:**

* After presenting your work, please submit the final project files including:
* Python notebook with your code
* Presentation slides in PDF format
* Any additional/related documentation that you deem helpful (optional)
* You can add all files in a zipped folder and send them over to me in a message and I will respond with a confirmation, or upload via the final week assignment link when posted.

1. **Assessment Criteria:**

Projects will be evaluated based on the clarity of the problem statement, depth of data analysis, validity of the model developed, overall presentation quality, and the ability to provide actionable insights.