

Week 1: Deadline (12 Feb 2023 23:59) (5%)

- Select data: Choose a dataset relevant to your project goal and gather all the necessary information about it.
- Define project goal: Clearly state what you want to achieve through this project, for example, predicting sales, classifying customer segments, etc.
- Data understanding: Get a basic understanding of the dataset and its attributes. Check for any missing or incorrect data and resolve it.
- If you can't decide what data to use let me know beforehand and I will give you some recommendations.

Sources for data:

- <https://kaggle.com/>
- <https://finance.yahoo.com/>
- <https://archive.ics.uci.edu/ml/datasets.php>
- <https://fred.stlouisfed.org/>

Week 2: Deadline (19 Feb 2023 23:59) (5%)

- Data preprocessing: Clean and preprocess the data to make it ready for analysis. This may include dealing with missing or incorrect values, scaling the data, and converting it into a suitable format.
- Data exploration: Conduct exploratory data analysis to get a deeper understanding of the relationships between different variables and identify any patterns or trends.
- Data visualization: Create visualizations to help you understand the data better and communicate your findings.

Week 3: Deadline (26 Feb 2023 23:59) (5%)

- Data analysis: Perform more in-depth analysis to uncover deeper insights into the data. This may include statistical analysis, hypothesis testing, etc.
- Data visualization: Create more advanced visualizations to represent your findings and make it easier to understand the data.

Week 4: Deadline (8 Mar 2023 23:59) (10%)

- Model creation: Based on your findings, select the appropriate machine learning algorithms, and create models to solve the problem at hand.
- Model evaluation: Evaluate the performance of the models using appropriate evaluation metrics and make necessary improvements to increase their accuracy.

Week 5: Deadline (15 Mar 2023 23:59) (5%)

- Make appropriate changes based on feedback to improve analysis results.
- If based on feedback your model will not need any changes you will earn last 5% automatically.