112-1 Introduction to Data Sciences
Final Project- A Data Science Research Proposal

Every student needs to write a research proposal that uses the methods taught in class or the methods in the data science domain to solve a research question in a specific area. Please follow the structure of the research proposal to write your proposal.

➢ **Structure of the research proposal**

1. The title of the research proposal

2. Introduction
- Introduce your topic
- Give necessary background and context
- Outline your problem statement and research question
- Contributions
  - ✧ Explore the potential implications of your research
  - ✧ Emphasize again what you aim to contribute and why it matters

3. Literature review
- Provide an overview of current knowledge related to your research topics
- Contain at least 3 related papers

4. Research methodology
- Restate your main objectives
- Describe the overall approach and the practical steps to solve your problem
- The proposed approach can be a single method or a combination of some methods

5. Reference
   A full reference list of the proposal

➢ **Presentation Date: 2024/01/02, 2024/01/09**
➢ **Presentation Time: 20 minutes**
➢ **File upload:**
- A PowerPoint file
- A research proposal (Word file)
➢ Upload deadline: **2024/01/12**

➢ **Assessment**
- Oral Presentation (40%)

- The research proposal (60%)
  - Innovation: 20%
  - Utilizing theoretical framework: 20%
  - Research methodology/ Solution: 20%