Prerequisites

Before our first session, please make sure to review and complete the tasks below to ensure you're fully prepared.

1. Install Tableau

All NUS students can download **Tableau Desktop (compulsory)** and **Tableau Prep (optional)** for free via the Tableau Academic Programs.

1. **Sign up** with your student email.
2. **Download** and **install** the latest version (we recommend installing updates when prompted).
3. **Verify** Tableau is working properly before the first session.

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2. Download the Course Repository

We have created a GitHub repository specifically for our hands-on sessions:
CS5346CaseStudy

This repository contains several folders:

- **data** – Raw CSV files for hands-on exercises
- **note** – Lecture notes and slide decks
- **notebook** – Data preparation pipeline and demonstrations
- **workbook** – The Tableau workbook for hands-on practice

Feel free to:

- Clone the repository to your local machine, **or**
- Download it as a ZIP file and unzip it in a convenient location.

If you encounter any issues or have suggestions, you are welcome to:

- **Open an issue** on GitHub
- **Submit a pull request** if you would like to contribute

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3. Lecture Agenda

We will host two hands-on Tableau sessions, each lasting two hours:

1. **Session 1**:

   - Introduction to Tableau interface, basics, charts
   - Working with calculated fields

2. **Session 2**:

   - Intermediate/advanced Tableau features

- Visualization design principles
- Real-world case study

Each session will include a **Q&A** segment. You are also welcome to reach out with any additional questions about Tableau or other data visualization tools, such as Power BI, after the lecture.

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4. Preparing for the Sessions

- **Check Your Installations**: Ensure Tableau is properly installed and opens without errors.
- **Review the Repository**: Familiarize yourself with the folder structure so you know where to find data and notes.
- **Bring Your Laptop**: We will be working directly in Tableau during class. Make sure your battery is fully charged or have your power adapter handy.

If you need any clarification about the two sessions or the instructions, please reach out to the teaching team through the dedicated Teams Channel - **[Tableau Session] Clarification**.

We look forward to helping you develop your visualization skills. See you in class!