In-class Lab:
Exploratory Data Analysis (EDA)

On 8 February, many of you may have experienced your first election. We are one of the members of the new Galactic Council. We have gathered exclusive scraped data from the Thairath live election results platform: https://www.thairath.co.th/election69.

Today, you will explore, analyze, and visualize this dataset. Your task is to identify interesting patterns or insights from your exploratory data analysis (EDA) and present your findings after the class.

Form groups of 5-6 members. You will have 1 hour to complete this activity. After the first 30 minutes, each group must briefly review its progress with the TA. At the end of the session, each group will deliver a 10-minute presentation, and the presentation order will be selected **randomly**.

- For groups that do not present in class, please record a video presentation and submit both the video and the `.ipynb` file by Sunday (15/2).

- For groups that have already presented, submitting the notebook only is sufficient.

Instructions:

1. You have to download the dataset from this URL (choose only one URL):
   - [Google Drive](#)
   - [Huggingface](#)

2. Use techniques that you have learned from the lecture, like:
   - Data Preparation
     - i. Data Cleaning
     - ii. Data Transformation
     - iii. Data Preprocessing
     - iv. Data Mapping
   - Feature Extraction
   - Data Visualization **(**Ensure your graphs/visualizations are **clear and concise**, because you have to present to us (TAs and the Professor)**)**

3. The presentation format is flexible. You may use slides or open an `.ipynb` file for the presentation.

4. Please ensure that **everyone** participates in the presentation.