# Read Me

## Repository

This repository serves as the central storage location for all documents related to this project. All files have been organized and archived here to ensure transparency. https://github.com/plospen1/Project_PODSV.git

## Overview

This project contains three folders:

- Data: All the data needed for the visualizations
- Documents: The personas, the concept and the data report
- src: main.py: Streamlit app with plots and text utils.py: Data cleaning utilities data_visualisation.ipynb: **NOT IMPORTANT**. First draft before we used streamlit. We decided not to delete it since we mainly worked in this file early on, so the commit history remains understandable.
    - plots( folder): these are the methods for the plots we used in the main.py. dataset1_plots.py dataset2_plots.py dataset3_plots.py

## How to Set Up and Run the Streamlit App

1. Navigate to the Project Folder

Open your terminal and move into the project's root directory. For example:

cd /Users/xenia/Documents/studium/SS25/PODSV/Project_PODSV

2. Create the Conda Environment

Use the provided environment.yml file to create a new Conda environment: `conda env create -f environment.yml`

3. Activate the Environment

Once the environment is created, activate it using:

```
conda activate PODSV_Project
```

4. Install Additional Packages: Because streamlit-bokeh can not be installed with anaconda, we have to install it with pip.

In the activated env insert:

```
pip install streamlit-bokeh
```

5. Run the Streamlit App

To start the Streamlit app, run the following command inside the project directory:

```
streamlit run src/main.py
```

--> This will launch the app in your browser!

More information about the env: https://docs.conda.io/projects/conda/en/latest/user-guide/tasks/manage-environments.html

Note: AI (OpenAi, 2025) was used as support for code and text.