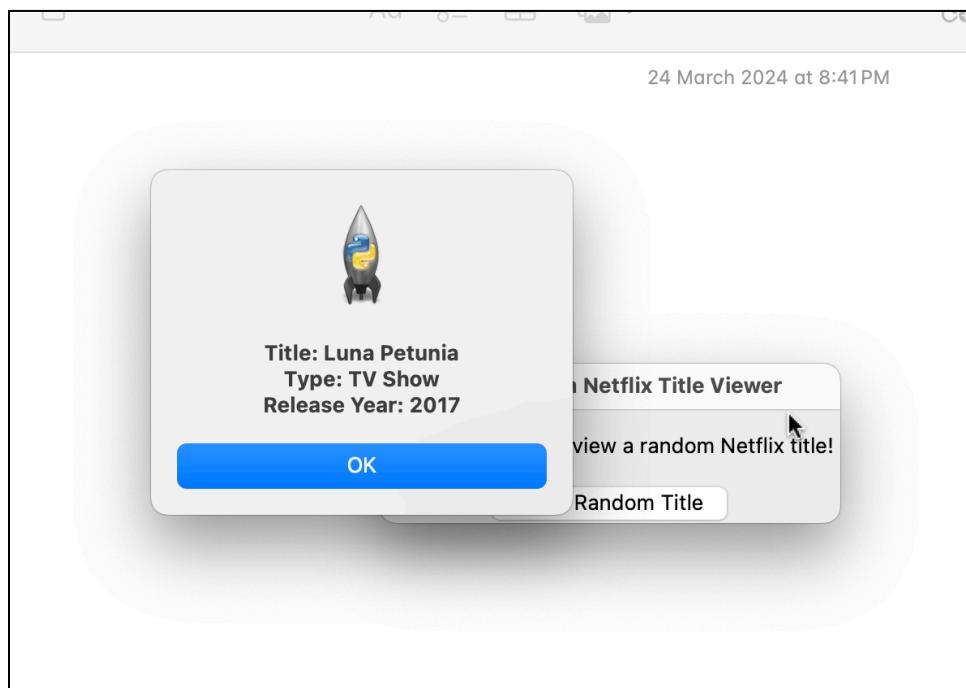
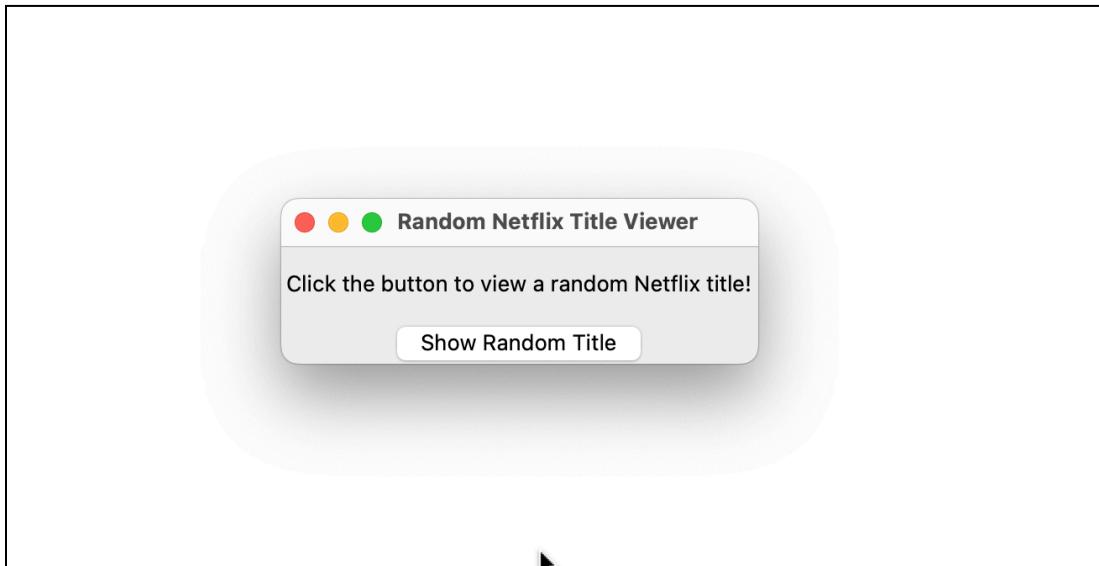
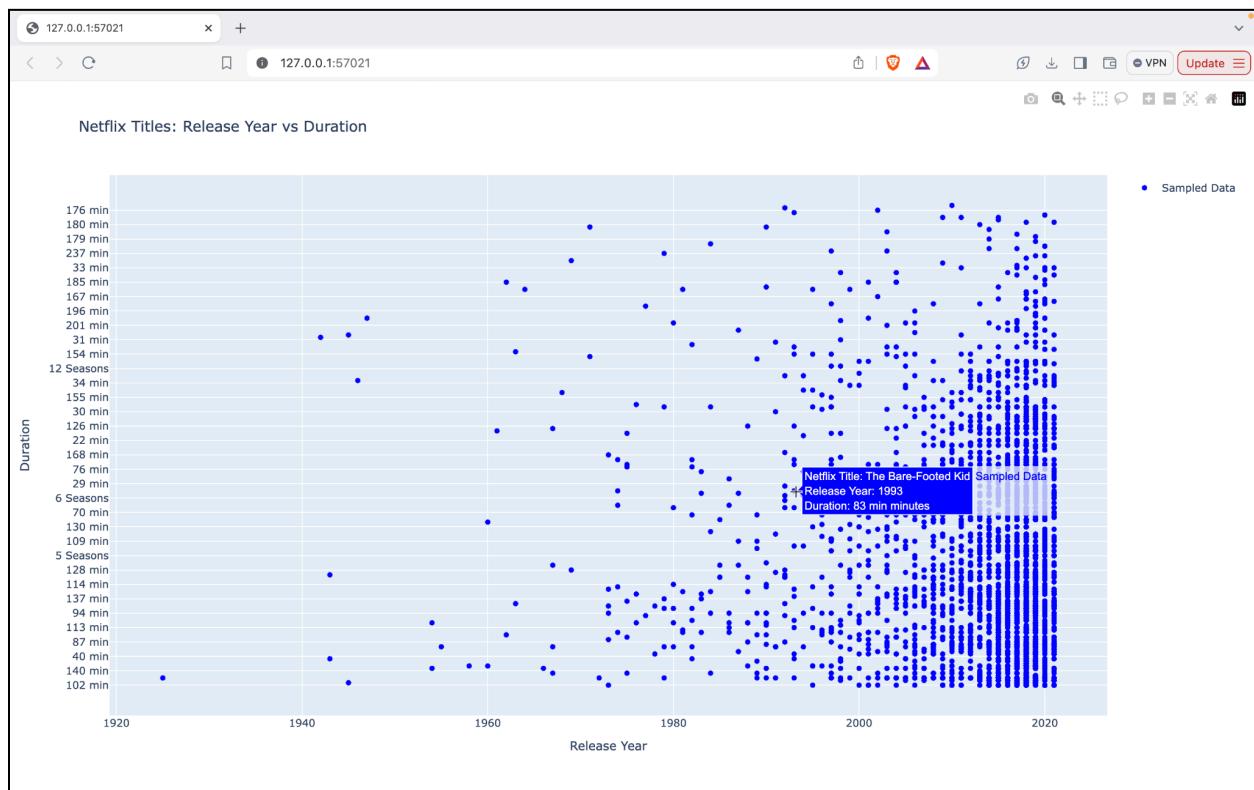


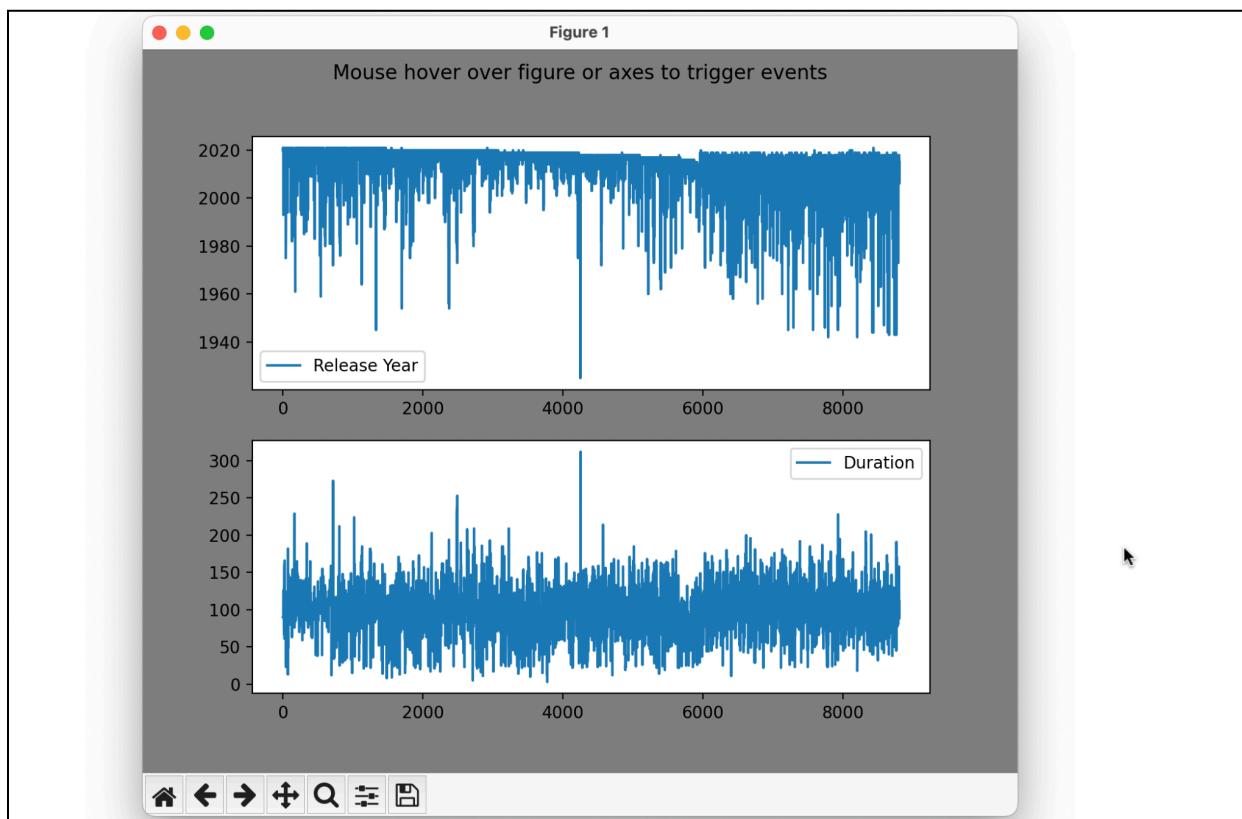
## 1. Setup of event for a project

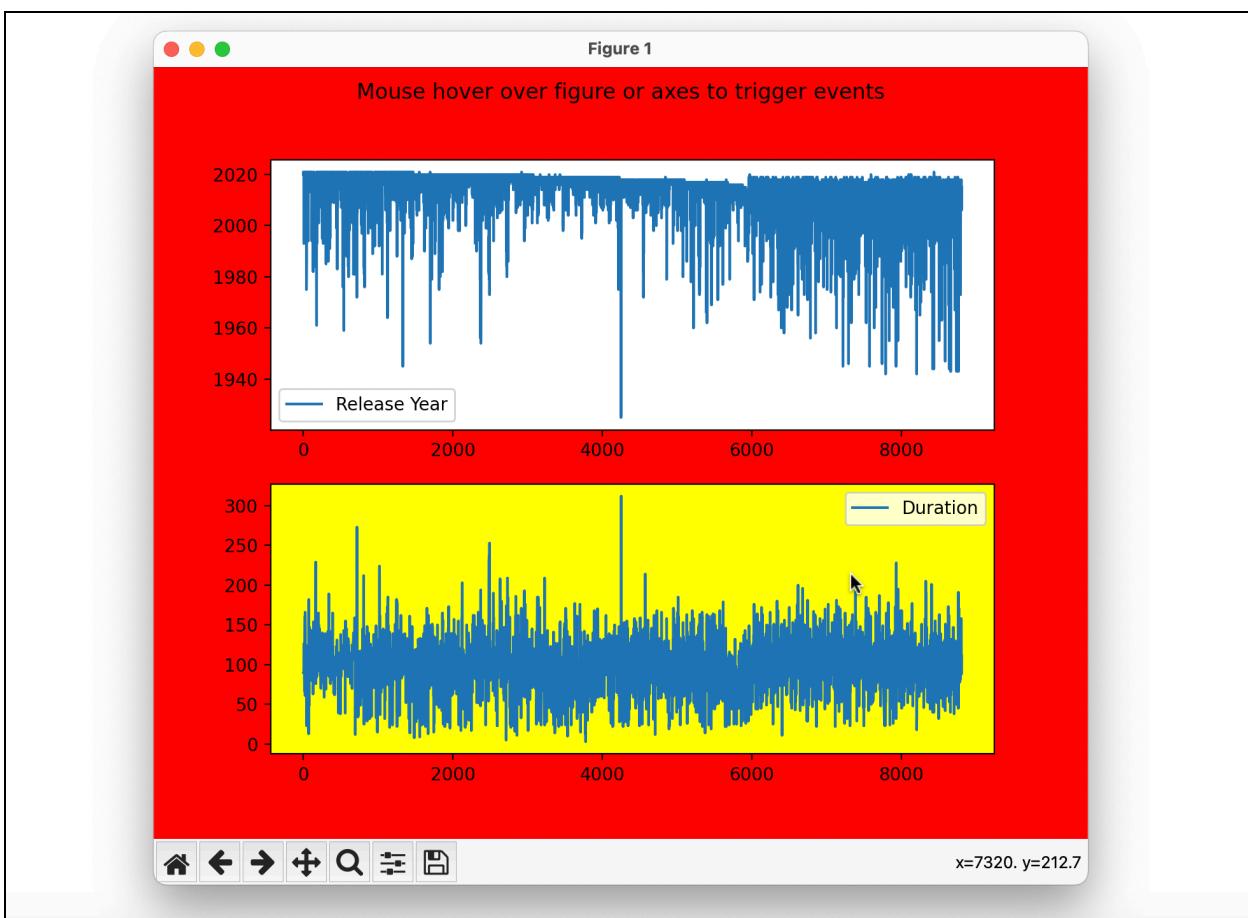
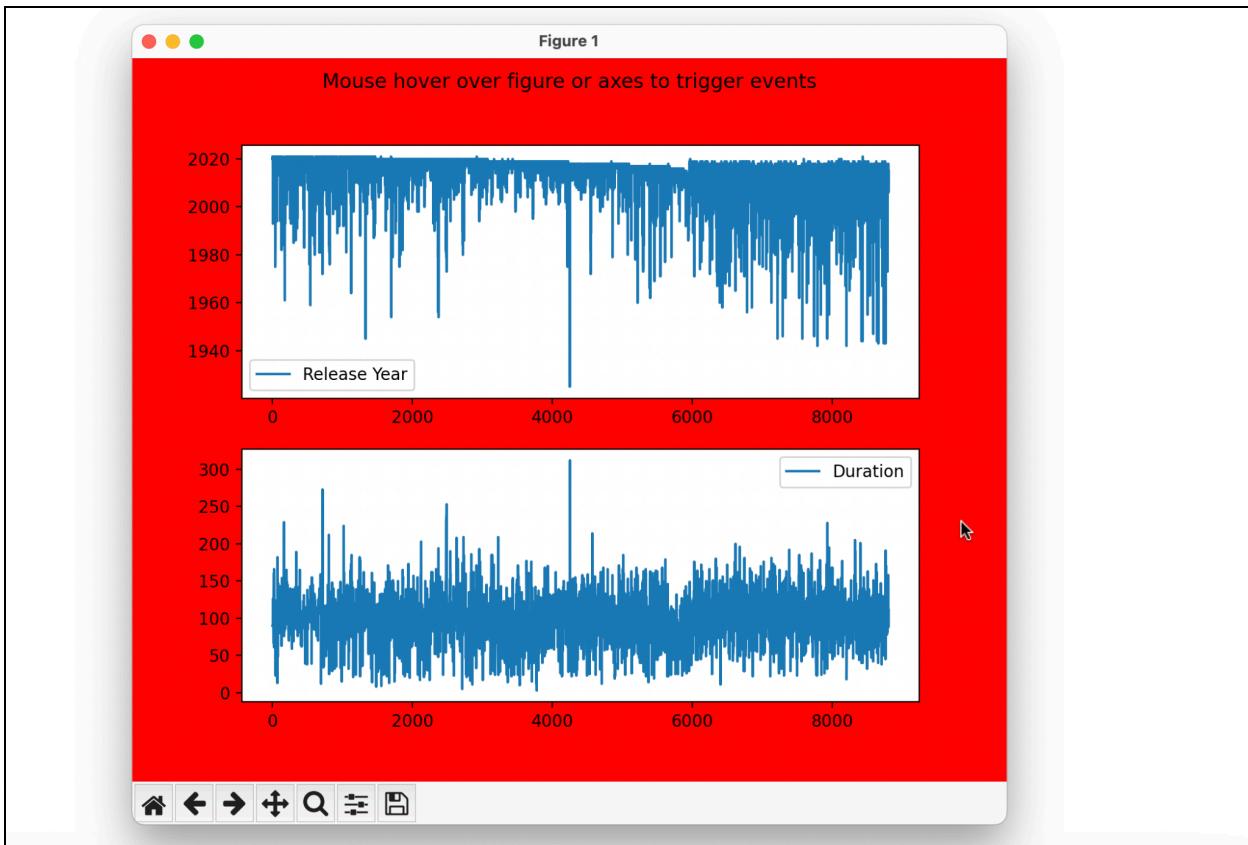


## 2. Interacting with figures

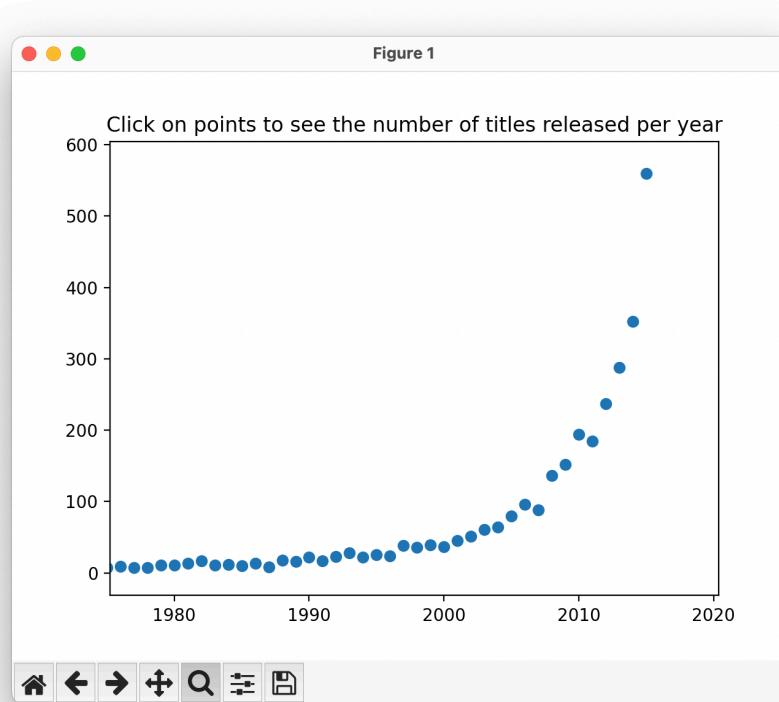
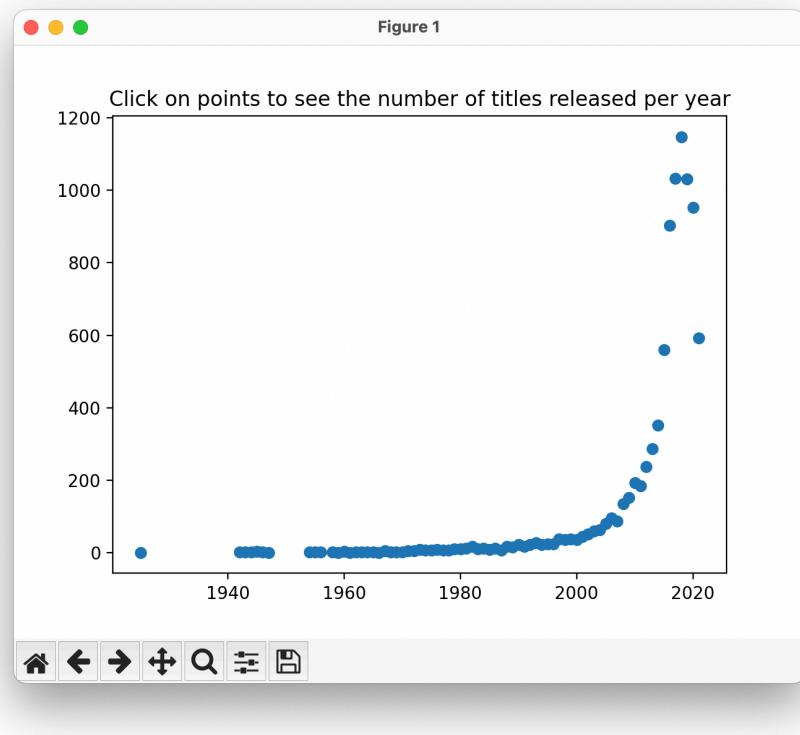


## 3. Mouse Enter & Leave

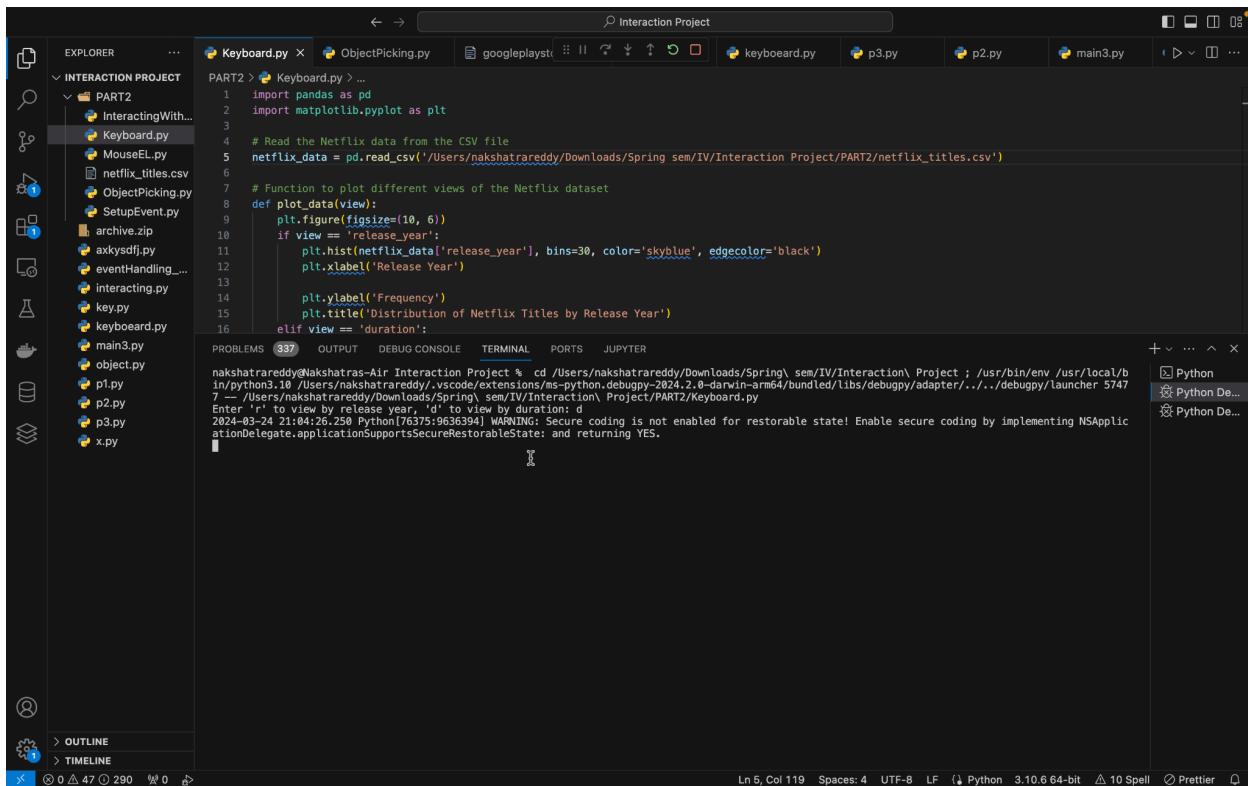




#### 4. Object Picking



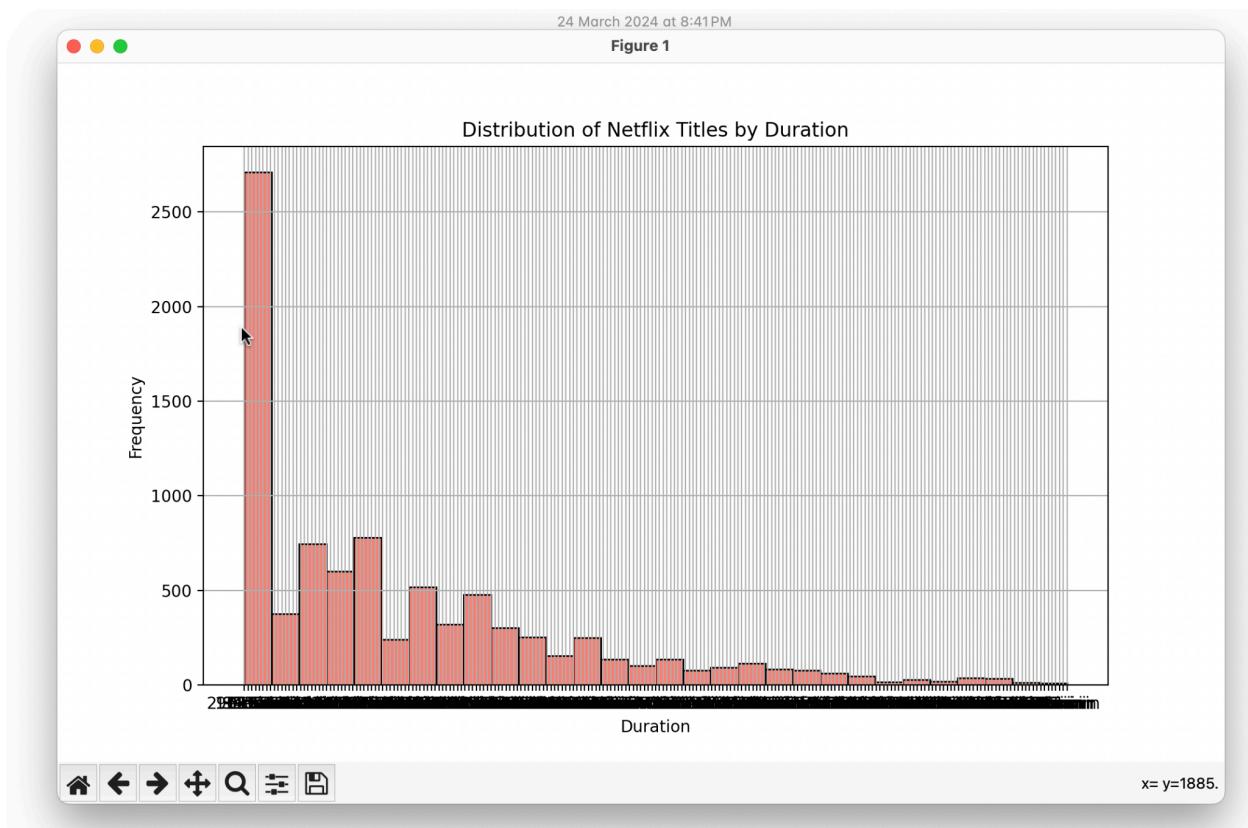
## 5. Keyboard



The screenshot shows the VS Code interface with the following details:

- EXPLORER**: Shows the project structure under "INTERACTION PROJECT".
- Keyboard.py** is the active file, displaying Python code:

```
1 import pandas as pd
2 import matplotlib.pyplot as plt
3
4 # Read the Netflix data from the CSV file
5 netflix_data = pd.read_csv('/Users/nakshatradeddy/Downloads/Spring sem/IV/Interaction Project/PART2/netflix_titles.csv')
6
7 # Function to plot different views of the Netflix dataset
8 def plot_data(view):
9     plt.figure(figsize=(10, 6))
10    if view == 'release_year':
11        plt.hist(netflix_data['release_year'], bins=30, color='skyblue', edgecolor='black')
12        plt.xlabel('Release Year')
13
14        plt.ylabel('Frequency')
15        plt.title('Distribution of Netflix Titles by Release Year')
16    elif view == 'duration':
```
- TERMINAL**: Displays the command-line output of running the script.
- PROBLEMS**: Shows 337 problems.
- OUTPUT**, **DEBUG CONSOLE**, **JUPYTER**: Other tabs in the terminal area.
- STATUS BAR**: Shows the date (24 March 2024), time (8:41PM), file path, and other system information.



The screenshot shows a VS Code workspace titled "Interaction Project". The Explorer sidebar on the left lists files including "Keyboard.py", "ObjectPicking.py", "googleplayst...", "keyboard.py", "p3.py", "p2.py", and "main3.py". The "Keyboard.py" file is open in the editor, displaying code to read a CSV file and plot distribution by release year and duration. The terminal at the bottom shows command-line output related to Python secure coding and application delegate support.

```
1 import pandas as pd
2 import matplotlib.pyplot as plt
3
4 # Read the Netflix data from the CSV file
5 netflix_data = pd.read_csv('/Users/nakshatrareddy/Downloads/Spring sem/IV/Interaction Project/PART2/netflix_titles.csv')
6
7 # Function to plot different views of the Netflix dataset
8 def plot_data(view):
9     plt.figure(figsize=(10, 6))
10    if view == 'release_year':
11        plt.hist(netflix_data['release_year'], bins=30, color='skyblue', edgecolor='black')
12        plt.xlabel('Release Year')
13
14        plt.ylabel('Frequency')
15        plt.title('Distribution of Netflix Titles by Release Year')
16    elif view == 'duration':
17
PROBLEMS 337 OUTPUT DEBUG CONSOLE TERMINAL PORTS JUPYTER
nakshatrareddy@Nakshatras-Air Interaction Project % cd /Users/nakshatrareddy/Downloads/Spring sem/IV/Interaction Project ; /usr/bin/env /usr/local/bin/python3.10 /Users/nakshatrareddy/.vscode/extensions/ms-python.debugpy-2024.2.0-darwin-arm64/bundled/libs/debugpy/adapter/../../debugpy/launcher 5747
7 /Users/nakshatrareddy/Downloads/Spring sem/IV/Interaction Project/PART2/Keyboard.py
Enter 'r' to view by release year, 'd' to view by duration: d
2024-03-24 21:04:41.267 Python[76461:9636977] WARNING: Secure coding is not enabled for restorable state! Enable secure coding by implementing NSApplicationDelegate.applicationSupportsSecureRestorableState, and returning YES.
nakshatrareddy@Nakshatras-Air Interaction Project % cd /Users/nakshatrareddy/Downloads/Spring sem/IV/Interaction Project ; /usr/bin/env /usr/local/bin/python3.10 /Users/nakshatrareddy/.vscode/extensions/ms-python.debugpy-2024.2.0-darwin-arm64/bundled/libs/debugpy/adapter/../../debugpy/launcher 5749
1 -- /Users/nakshatrareddy/Downloads/Spring sem/IV/Interaction Project/PART2/Keyboard.py
Enter 'r' to view by release year, 'd' to view by duration: r
2024-03-24 21:04:41.244 Python[76461:9636977] WARNING: Secure coding is not enabled for restorable state! Enable secure coding by implementing NSApplicationDelegate.applicationSupportsSecureRestorableState, and returning YES.
```

