

# How to run Visuals of Scatterplot and K-Means Clustering

This guide explains how to run the interactive D3.js visualization contained in the file D3\_EDA\_Part2\_FilterType.html on macOS and Windows systems using a local HTTP server.

## 1. Save All Required Files

Place the following files in the SAME folder:

- D3\_EDA\_Part2\_FilterType.html
- df\_igg\_metrics.csv
- df\_igm\_metrics.csv
- igg\_clusters\_k6.csv
- igm\_clusters\_k6.csv
- igg\_elbow.csv
- igm\_elbow.csv

Example folder path (macOS):

/Users/JohnDoe/CSE6242/Project/D3Visual/

## 2. Open Terminal or Command Prompt

Navigate to the folder where the files are stored.

macOS Terminal:

```
cd "/Users/JohnDoe/CSE6242/Project/D3Visual/"
```

Windows Command Prompt:

```
cd "C:\Users\JohnDoe\CSE6242\Project\D3Visual"
```

## 3. Start a Local HTTP Server

Run the following command:

```
python3 -m http.server 8000
```

(On Windows, you may need to run: `python -m http.server 8000`)

## 4. Open Your Browser

Enter the following URL:

[http://localhost:8000/D3\\_EDA\\_Part2\\_FilterType.html](http://localhost:8000/D3_EDA_Part2_FilterType.html)

This will load the scatter plots, K-means cluster visuals, and elbow charts.

If visuals do not appear, verify:

- All CSV files are in the same directory as the HTML file.
- The local server is running on port 8000.
- The browser URL exactly matches the filename.