

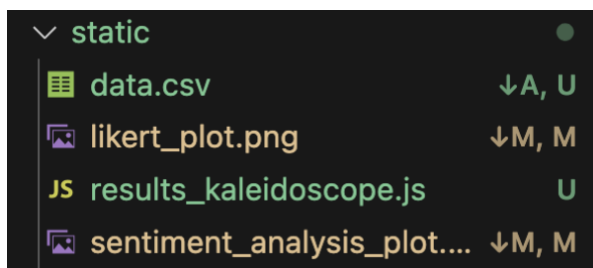
## User Guide - Launching and Viewing Museum Wellbeing Survey Results:

### Install Dependencies:

- Install the necessary Python libraries by running the command:
  - %pip install Flask

```
from flask import Flask, render_template, send_from_directory
```

- Ensure you have your CSV files in the correct directory
  - (./static/data.csv ./static/likert\_plot.png ./static/results\_kaleidoscope.js ./static/sentiment\_analysis\_plot.png)



### Run the Application:

- Navigate to the directory where your Python script is located
- Open a terminal or command prompt.
- Start the application by running:
  - Python app.py

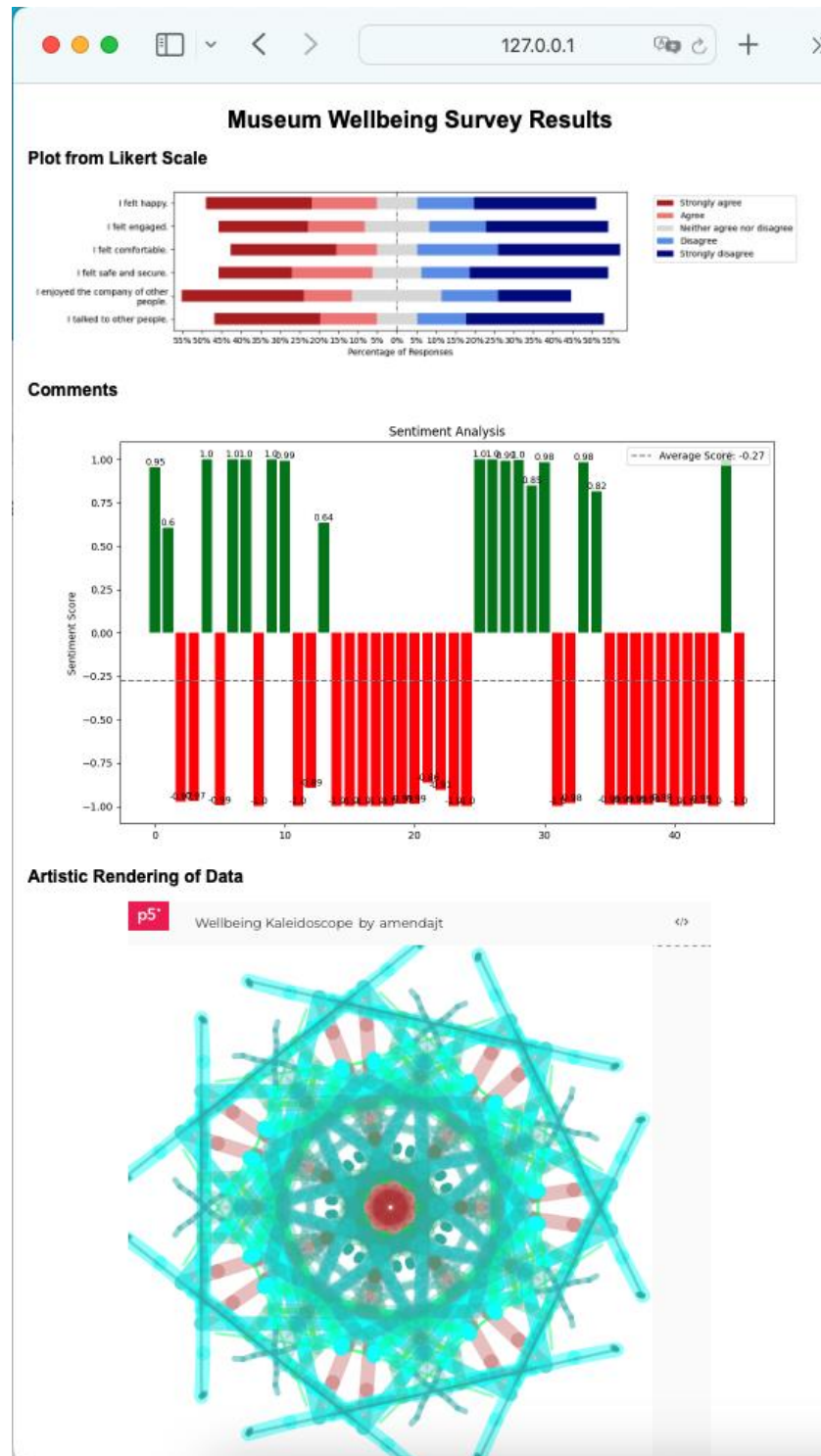
```
(base) amendatate@macbook-pro-164 museum_wellbeing_survey % python app.py
* Serving Flask app "app" (lazy loading)
* Environment: production
  WARNING: This is a development server. Do not use it in a production deployment.
  Use a production WSGI server instead.
* Debug mode: on
* Running on http://127.0.0.1:8001/ (Press CTRL+C to quit)
* Restarting with fsevents reloader
* Debugger is active!
* Debugger PIN: 335-312-986
```

### Access the Plots and Visualizations

- Open your web browser and navigate to <http://127.0.0.1:8001/>
- The visualizations include plots and charts that represent various aspects of the survey results.
- These visualizations are based on the current survey data

## Technical Details

- **Visualization Types:** The application generates different types of visualizations
  - A horizontal bar chart shows likert scale responses to the radio buttons
  - A vertical graph shows the sentiment analysis for comments
  - A visualization uses the data to create an artistic kaleidoscope rendition



## Closing the Application

- Return to the terminal or command prompt
- Enter Control + C in the terminal

```
^C Stopping...  
○ (base) amendatate@macbook-pro-164 museum_wellbeing_survey %
```

## Troubleshooting

- **No Visualizations Displayed:**
  - Ensure the application has access to the necessary files in the static folder.
  - Check that the data used for visualizations is valid and properly formatted.
- **Error Messages:**
  - Look for any error messages on the page or in the browser console for clues.

## Common Issues

- **Access Issues:**
  - If you are unable to access the application, make sure it is running on the correct port (8001) and there are no network issues.

```
# if it says it is already in use lsof -ti :8001  
# kill -9 <PID>
```