

## Instructions: Restaurant recommendation project

Follow these step-by-step instructions to download, set up, and run the interactive format generator for your restaurant recommendation project:

### Step 1: Download the Project Directory

1. **Clone or download the entire repository** to your local system:

```
bash
```

```
git clone https://github.com/meruem89/restaurant-recommendation-project.git
```

OR download as ZIP and extract to your preferred location.

2. **Navigate to the project directory:**

```
bash
```

```
cd restaurant-recommendation-project
```

### Step 2: Open in Suitable IDE

1. **Open your preferred IDE** (VS Code, PyCharm, or any Python IDE)
2. **Open the entire project folder** in the IDE
3. **Locate the file:** scripts/12\_interactive\_format\_generator.py

### Step 3: Install Required Libraries

**Run the following pip install commands** in your terminal/command prompt:

```
bash
```

```
pip install pandas      # Data manipulation and analysis
```

```
pip install numpy       # Numerical computing
```

```
pip install scikit-learn # Machine learning algorithms
```

```
pip install matplotlib  # Data visualization
```

```
pip install seaborn     # Statistical data visualization
```

```
pip install openpyxl     # Excel file reading/writing
```

```
pip install xlrd         # Reading older Excel formats
```

```
pip install pyxlsb       # Reading Excel binary format
```

#### Alternative: Install all at once

```
bash
```

```
pip install pandas numpy scikit-learn matplotlib seaborn openpyxl xlrd pyxlsb
```

### Step 4: Run the Interactive Format Generator

1. **Open terminal/command prompt** in the project root directory
2. **Execute the script:**

```
bash
```

python scripts/12\_interactive\_format\_generator.py

3. **Press Enter** and wait for the script to load

#### **Step 5: Use the Interactive Interface**

1. **Choose your desired option** from the menu that appears
2. **Follow the on-screen prompts** to configure your output format
3. **The results will be displayed in the terminal**

#### **Step 6: Access Generated Files**

**If you selected CSV or Excel format:**

1. **Navigate to the results/ folder** in your project directory
2. **Find your generated file** in the chosen format (CSV or Excel)
3. **Open the file** to view your formatted restaurant recommendation results

#### **Expected Output Structure**

- **Terminal display:** Immediate results shown in command prompt
- **File output:** Saved in results/ folder with timestamp
- **Format options:** Terminal display, CSV file, or Excel file

#### **Troubleshooting**

- **If libraries fail to install:** Try using pip3 instead of pip
- **If script doesn't run:** Ensure you're in the correct directory and Python is installed
- **If results folder doesn't exist:** The script will create it automatically

#### **File Locations**

- **Script location:** scripts/12\_interactive\_format\_generator.py
- **Results location:** results/ (created automatically)
- **Project root:** Main directory containing all folders

This interactive tool will help you generate properly formatted restaurant recommendation outputs in your preferred format!