From Codecademy’s course on “Introduction to Data Analysis”

**Project: Board Slides for FoodWheel**

Reading Time: About 3 minutes

Mark Complete

Welcome to your first cumulative project! In this project, you’ll combine your knowledge of Pandas and Maplotlib to create a set of graphs describing data for a fictional startup called FoodWheel.

**This project is *totally optional*; if you’re busy this week, you can skip it!**

FoodWheel is a startup delivery service that takes away the struggle of deciding where to eat! FoodWheel picks you an amazing local restaurant and lets you order through the app. Senior leadership is getting ready for a big board meeting, and as the resident Data Analyst, you have been enlisted to help decipher data and create a presentation to answer several key questions:

* What cuisines does FoodWheel offer? Which areas should the company search for more restaurants to partner with?
* How has the average order amount changed over time? What does this say about the trajectory of the company?
* How much has each customer on FoodWheel spent over the past six months? What can this tell us about the average FoodWheel customer?

Over this project, you will analyze several DataFrames and create several visualizations to help answer these questions.

If you decide to do this project, you have two options:

* You can complete the project on Codecademy.com by following this link to the [FoodWheel project](https://www.codecademy.com/courses/foodwheel/lessons/foodwheel/exercises/cuisine-offerings-i).
* If you’d like an extra challenge, you can complete this project on your own computer. To do this, you’ll need to install Python. Follow the directions below, if you’re interested.

**WORKING ON YOUR COMPUTER**

1. If you’ve never used the command line, we recommend taking the [Learn the Command Line course](https://www.codecademy.com/learn/learn-the-command-line).
2. Install Python by following the directions in this article on [Installing Python for Data Analysis](https://www.codecademy.com/articles/install-python-data-analysis).
3. Learn about [Jupyter Notebooks](https://www.codecademy.com/articles/how-to-use-jupyter-notebooks), a cool way of combining Python code with explanations or instruction in a web terminal.
4. Download the [FoodWheel project](https://s3.amazonaws.com/codecademy-content/programs/intro-data-analysis/foodwheel.zip).
5. Unzip it by double clicking on it.
6. In the terminal, navigate to the directory containing the project, and type:

jupyter notebook

This should open a browser tab.

1. Click on foodwheel.ipynb in the browser tab. This will open up your Jupyter Notebook.
2. Follow the steps in the Jupyter Notebook. If you get stuck, you can look at foodwheel-solutions.ipynb for the answer.