Advanced Topics

December 6, 2023

Administrative notes

Homework 6

Project 3

- Just e-mail them to me.

Final exam:

- Monday, December 18, 3:30-5:30 pm in this room
- See https://registrar.umbc.edu/wp-content/uploads/sites/31/2023/12/Fall-2023-Regular-Final-Exam-Schedule.pdf

Markdown

Markdown "cheat sheet" - see https://www.markdownguide.org/cheat-sheet/

For project 3, I expect to see reasonable markdown cells:

- Ahead of code cells, that explain what that cell is going to do
- After code cells, that explain the significance of your results; e.g.
    - The fact that you could correctly print out part of the data; or
    - Exactly what a graphic is showing

An illustration

Let's start a Jupyter notebook with project 3

What should you include in your markdown cells?

- Titles
- Headings
- Ordered and unordered lists, where appropriate
- Paragraph separations
- That's probably enough for now

Flask and Django

Flask and Django are two web frameworks for Python

- The let you run a web server entirely in python
- Flask is a "microframework"
  - It's self-contained but doesn't have the full functionality of the web today
  - See https://flask.palletsprojects.com/en/3.0.x/
- Django has more features
  - But hss a few more dependencies
  - See https://docs.djangoproject.com/en/5.0/intro/tutorial01/

Flask example

- Install with pip or conda
- Install directly into Pycharm

Django

Install using pip or conda

Install using Pycharm