DAY 33: FINAL PROJECTS

TODO

CI/CD
Testing, GitHub actions and workflows

DEPLOY
Deploy movie recommendation system web app to Render

TOPICS

TOPICS/DATASETS

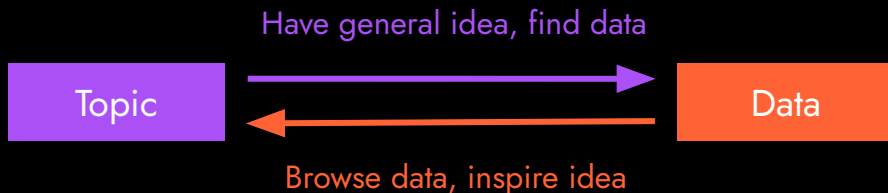**WHAT**
- Can be anything good data is available for
- Think big/brainstorm several ideas
- Does not have to be curing cancer/saving the world
- Consider what industry you want to work in

HOW

Have general idea, find data

| Topic | → | Data |

Browse data, inspire idea

THINGS TO AVOID
- **Small datasets** - bigger is better, exact size depends on the problem, think bigger than 10k examples (smaller can work for very high quality data)
- **'Hot' data** - live predictions on frequently updated data (e.g. up to the minute stock prices)
- **Web scraping** - runs into problems with rate limits/IP bans and TOS violations. Look for an API or downloadable file(s)

THE PROJECT

WHAT

Three components:

- GitHub repository
- Public facing deployment
- Project demo presentation

THE REPO

As polished/organized/professional as possible:

- Good, descriptive README
- Well organized (data in data directory, etc.)
- Documented (code comments, notebook descriptions, etc.)
- Clean code (no errors, version 1,2,3 of same notebook, etc.)

THE DEPLOYMENT

A reasonably tech savvy person should be able to use your project. Possibilities:

- Web app with public URL
- Data dashboard/analysis report
- PyPI package implementing your tool
- Publicly documented & hosted dataset

THE PRESENTATION: 'GEEKTALK'

WHAT   10-15 minute live demo of your project for 4Geeks community, friends, family, coworkers, etc.

SLIDES   Shoot for 3-4 & ~2 minutes per slide. Cover:

- What is the problem you solved/what value does your product provide the user?
- The data: source, structure, formal problem statement, trends/patterns/insights
- The model: implementation and evaluation
- The deployment: where/how

LIVE DEMO   Show your project off to the audience!

- How to find/use your deployment
- Show it in action
- Describe features