Personal Project Workshop

1/21

Logistics (a.k.a. Google forms)

Attendance: bit.ly/CoSMOAttendance

Mentee Signup: bit.ly/CoSMOMenteeSignup

Mentor Signup: bit.ly/CoSMOMentorSignup

Personal Project Examples

Personal Project Guideline

1. **Determine a project idea.**
    a. What field/domain are you interested in?
    b. Anything related to a specific class or co-op?
    c. What is a problem you want to solve, or a skill you want to learn?

2. **Determine tech stack.**
    a. What technology do you already know that will help?
    b. What new skills will you need to learn? How will you learn them?
    c. Is this project feasible in a short amount of time?

3. **Stay on track.**
    a. Split project into smaller portions, and set achievable milestones.
    b. Consider finding a partner/group to help keep you on track.
    c. Don't let yourself get stuck for too long, ask for help when needed.

Project Ideation Example

Area of Interest: Data science and healthcare

Relevant Classes/Co-op: Healthcare analytics co-op, current ML class

Skills to Learn: Unsupervised learning, clustering

Idea: Clustering of ICD-10 codes, analyze co-occurrence of codes

Tech: Python (ML libraries), Neo4J (graph visualization), topic modeling

Feasibility: Where am I finding this data? Any public billing data I can use?