IS597-MLC Course Introduction - Fall 2024

Agenda

- Instructor Introduction

- A Few Important Facts About This Course

- Review Canvas Site

- Review Course Roadmap

- Review Weekly Schedule

- Review Syllabus

- Final Project Highlights

Instructor Introduction

- Kevin Trainor

A Few Important Facts About This Course

- This is a course in which we apply machine learning approaches using cloud computing to address real world problems.

- Some of our lectures will take place during class sessions; others are pre-recorded videos.

- Some introductory work will be done on your computer using Anaconda and PyCharm.

- Most work will be done using the AWS Academy Learner Lab.

- This is a hands-on coding course where you will learn by doing.

- There are approximately 9 weekly hand-in assignments and a final project.

- You need to be prepared to spend the time and **do the work independently**. This means creating your own code without **copying, joint authorship, or ChatGPT**.

Review Canvas Site

Review Course Roadmap

Review Weekly Schedule

Review Syllabus

- **I** am going to walk through the syllabus and discuss highlights.

- **You** are responsible for reading the entire syllabus and understanding it.

- I recommend that you play the lecture video that explains Participation Grading.

Final Project Highlights

- This is an **individual** project.

- You find an appropriately-size publicly available dataset.

- You identify a research question or questions to be addressed using this dataset and **supervised machine learning**.

- You will develop a supervised machine learning model for your data that addresses your research question(S).

- Deliverables due:
  - Proposal (mid course)
  - Report (end of course)
  - Git repository of code and data (end of course)

- Detailed instructions for the Final Project will be published soon.

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