[COGS 9] Discussion Introduction

Vineeth Chelur

- 3 years of research experience as an undergrad
  Worked on the prediction of the binding site of a protein from its sequence using Deep Learning (Data Scientist)

- 2 years of industry work experience during the pandemic
  Worked at a fintech startup building banking applications to handle card transactions (Software Engineer)

- Pursuing a Masters in Computer Science now :)
  With a specialization in AI/ML

- Love traveling, hiking, and just about any activity in Nature

- Enjoy table tennis, lyrical rap, and **trying** to get fit :')

Course Logistics

- Master link: Home | COGS 9 (camrobjones.github.io) (Everything you need is available)

- Discussion section attendance is optional

- Sections are not recorded; however, the slides will be uploaded to Drive/GitHub and the link to the slides is provided in the master link

- Quizzes and exams are to be done individually

- Assignments and final project (Split into 2 parts) are to be done as a group

- Please try and reach out to us on discord or email (Faster response on discord)

- Make good utilization of office hours

Grading

	% of Total Grade	200 Total Points
3 Assignments	30	60 (20 each)
1 Comprehensive Exam	20	40
5 Reading Quizzes (lowest quiz score dropped)	20	40 (10 each)
Final Project pt. 1	10	20
Final Project pt. 2	20	40
Bonus	N/A	5 bonus

Discussions Outline

Week 1 (Thu): Introductions, Making teams, Reading 1 (Part 1)

Week 2 (Tue): Reading 1 (Part 2), Python Basics with Jupyter Notebook

Week 2 (Thu): Reading 2, Getting data and wrangling it using Pandas

Week 3 (Tue): Reading 3, Data Visualizations with matplotlib

Week 3 (Thu): Reading 4, Final Project Part 1 reviews/discussions

Week 4 (Tue): P-Value and EDA demo

Week 4 (Thu): Reading 5, Inferential Analysis, Machine Learning demo

Week 5 (Tue): Text/Geospatial analysis

Week 5 (Thu): Final Project Part 2 reviews/discussions

LET US MAKE TEAMS WITH PYTHON