

[COGS 9] Discussion

Introduction

Vineeth Chelur (TA)[A03, A04]

Zhuji Zhang (IA)[A03]

Zhilin Kong (IA)[A03]

Jiesen Zhang (IA)[A04]

Bobby Zhu (IA)[A04]



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 :')

Zhuji

- 3rd Year Data Science Major
- Minor in Cognitive Science
- Car guy / photographer
- Office Hour: Wed 4-5 pm
 - CSB 114
- Language Production Lab
- Transportation Services



Hey, I'm Zhilin!



Zhilin Kong IA

Major: Statistics & Probability

Year: Senior

Position: IA

Favorite programming language: Python and R.

Least favorite one: C++

Recent DS project: Predicting EVs' Mileage Performance in City/Highway and Cold/Mild Weather

Jiesen Zhang

- Second year Data Science & Cognitive Science Student
- Office Hour: Wed 4-5 pm
 - CSB 114 & Zoom
- Enthusiastic about literature, movies, and photography



Bobby

- Second Year Data Science Major
- Position: IA
- Office Hour: Tuesday 12:30-1:30 (Zoom)
- Baking and playing board games



Course Logistics

- Master link: <https://kshannon.github.io/ucsd-cogs9/> (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 same will be provided in the master link
- Quizzes, exams and assignments are to be done individually
- Final project is to be done as a group (Split into 2 parts)
- Please try and reach out to us on discord or email (Faster response on discord)
- Make good utilization of office hours
- DO NOT CONTACT THE PROFESSOR DIRECTLY UNLESS IT IS PERSONAL/EMERGENCY

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 2: Introductions, Making teams, Reading 1 (Part 1)

Week 3: Reading 1 (Part 2), Python Basics with Jupyter Notebook

Week 4: Reading 2, Getting data and wrangling it using Pandas

Week 5: Reading 3, Assignment 1, Basics of programming for data science

Week 6: Reading 4, Final Project Part 1 reviews/discussions

Week 7: Assignment 2, Data Visualization and EDA demo

Week 8: Assignment 3, Machine Learning demo

Week 9: Reading 5, Closing thoughts

Week 10: Final Project Part 2 reviews/discussions



LET US MAKE TEAMS
WITH PYTHON