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SYMSYS 1: Minds and Machines (Bonnie Krejci, David Rose)

Minds and Machines (SYM-SYS 1)

David Rose

Seminar: Thur 10:30 AM - 11:50 AM, 260 - 113

Required Section: See schedule below

davdrose@stanford.edu

Office hours: Thur 12:30 PM - 1:30 PM, 420-364

TAs: Ayush Chakravarthy, Naomi Eigbe and Catherine Qing

Course overview

This course provides an overview of the interdisciplinary study of cognition, information, communication, and language, with an emphasis on foundational issues: What are minds? What is computation? What are rationality and intelligence? Can we predict human behavior? Can computers be truly intelligent? Lectures focus on how the methods of philosophy, mathematics, empirical research, and computational modeling are used to study minds and machines.

Teaching Team

We have a wonderful group of teaching assistants (TAs) that will lead sections. Below you will find contact and office hour information (see also here (https://docs.google.com/presentation/d/1AKJP5YAfxc2Z_4Oq3bxLTg0zDb-Z7wxc092QS6M783Y/edit?usp=sharing)) for each TA as well as section times and locations.

Ayush Chakravarthy:

Email: akchak@stanford.edu

Office Hours:

Thursday 1:30 - 2:30 pm on Zoom (<https://stanford.zoom.us/j/5443136599?pwd=QWN3WFhnQjBpWktkZGhSNW5BdGJ5QT09>)

Sections:

Wednesday Section, 10:30-11:20am in 160-123

Wednesday Section, 12:30-1:20pm in 160-123

Naomi Eigbe:

Email: neigbe@stanford.edu

Office Hours:

Wednesday 2:20-3:20pm in 160-123

Sections:

Wednesday Section, 3:30-4:20pm in 160-123

Wednesday Section, 4:30-5:20pm in 160-123

Catherine Qing:

Email: caqing@stanford.edu

Office Hours:

Tuesday 1:00 - 2:00pm on Zoom (<https://stanford.zoom.us/j/2536417835?pwd=MWpXa0FGT0dsK0hRZnJEqmVFaG5PZz09>)

Sections:

Wednesday Section, 11:30-12:20pm in 160-123

Wednesday Section, 1:30-2:20pm in 160-123

Questions

We have set up Ed Discussion (see the navigation panel on the left) for questions about course content. This is a place where you can ask content related questions and other students and the teaching team can answer them.

The teaching team also has a shared course email, **symsys1staff@gmail.com** (**<mailto:symsys1staff@gmail.com>**), and we kindly ask that you direct any questions (absences, etc.) here and a member of the teaching team will respond to you individually. If you have questions that are specific to your section, such as a question about the content covered in section, section absences, etc, then please contact your TA using their email listed above.

Course Information, Schedule, Modules and Assignments

Course Info: General course information (teaching team info, evaluation methods, other course policy) and be found here (<https://docs.google.com/presentation/d/1bzz9x-O3WvcYwV5cZzusPCLVogYsdC1OYFdetJBscPM/edit?usp=sharing>).

Schedule: The full schedule is at the bottom of this page

Modules: The course is organized by Modules (<https://canvas.stanford.edu/courses/193229/modules>). Each module is organized around a theme and includes readings, videos and assignments. This is your main guide for course content and assignments.

Assignments:

1. Videos and Readings: Each week you will watch videos and do readings. You can find these under the weekly response links in the Modules (<https://canvas.stanford.edu/courses/193229/modules>). For example, videos and readings for week 1 are in Week 1 Response (<https://canvas.stanford.edu/courses/193229/assignments/616910>), videos and readings for week 2 are in Week 2 Response, (<https://canvas.stanford.edu/courses/193229/assignments/616916>) and so on. You will want to start with these each week.

2. Responses: Each week you will answer open-ended questions on the readings and videos for the current week. Due Tues 11:59 PM PST (*except for Week 1 – Due Wed 11:59 PM*). Please see these guidelines (<https://docs.google.com/document/d/1JnT8ZiTsnpSc/mAqAjQ0yHpG00So1MZvcfL04mhmd4U/edit?usp=sharing>) on writing weekly responses.

3. Problem Sets: Each week you will have a problem set that is based on that week's material. These are due every Friday (except for weeks that Module Projects are due) at 11:59 PM PST.

4. Module Projects: Each module concludes with a project that will be based on the module theme. These are due Friday of the week after each module, at 11:59 PM PST.

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