People

Instructor

• Giuseppe Carennini (carenini@cs.ubc.ca; office ICCS 105)
Natural Language Processing, Summarization, Preference Elicitation, Explanation, Adaptive Visualization, Intelligent Interfaces
Office hour: my office, TBD

Teaching Assistants (office hours TBD)

- David Johnson
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Your UBC–AI Background

I took 322 within the last 12 months

A. yes  B. no

I took Machine Learning (340)

A. yes  B. no
Course Essentials(1)

- Course website:
  
  www.cs.ubc.ca/~carenini/TEACHING/CPSC422-17/index.html
  
  - This is where most information about the course will be posted, most handouts (e.g., slides) will be distributed, etc.
  - CHECK IT OFTEN! (draft already available)

- Lectures:
  
  - Cover basic notions and concepts known to be hard
  - I will try to post the slides in advance (by 11:30).
  - After class, I will post the same slides inked with the notes I have added in class.
  - Each lecture will end with a set of learning goals:

    *Student can*···.
Course Essentials (2)

Textbook: Selected Chapters from

- *Artificial Intelligence, 2\textsuperscript{nd} Edition*, by Poole, Mackworth.  

Reference (if you want to buy a book in AI this is the one!)

- *Artificial Intelligence: A Modern Approach, 3\textsuperscript{rd} edition*, by Russell and Norvig  
  [book webpage on course webpage]

More readings on course webpage······
Course Essentials (3)

- **Piazza**: discussion board
  - Use the **discussion board** for questions about assignments, material covered in lecture, etc. That way others can learn from your questions and comments!
  - Use **email** for private questions (e.g., grade inquiries or health problems).
- **Connect**: assignments, grades, **iClicker registration**
- **AIspace**: online tools for learning Artificial Intelligence [http://aispace.org/](http://aispace.org/)
  - Under development here at UBC!
  - Already used in cpsc322
Course Elements

- Practice Exercises: 0%
- Assignments: 15%
- *Research Paper Questions & Summaries* 10%
- Midterm: 30%
- Final: 45%
- Review Exam: 1% bonus
- Clickers 3% bonus (1% participation + 2% correct answers)

If your final grade is $\geq 20\%$ higher than your midterm grade:
- Midterm: 15% ↓
- Final: 60% ↑
Assignments

- There will be four assignments in total
  - They will not necessarily be weighted equally
  - They will be submitted using Connect
  - Only the most recent submissions will be graded

- Group work (same as 322)
  - you can work with a partner
    - Each partnership hands in a joint assignment submission with both students’ names/IDs
  - you may discuss questions with other students
  - you may not look at or copy each other’s written work
  - You may be asked to sign an honour code saying you’ve followed these rules
Assignments: Late Days (same as 322)

- Hand in by noon on due day (on Connect)

- You get four late days 😊
  - to allow you the flexibility to manage unexpected issues
  - additional late days will not be granted except under truly exceptional circumstances

- A day is defined as: all or part of a 24-hour block of time beginning at noon on the day an assignment is due

- Applicable to assignments only (not midterm or final)
- if you’ve used up all your late days, you lose 20% per day
- Assignments will not be accepted more than four days late
Missing Assignments / Midterm / Final

Hopefully late days will cover almost all the reasons you’ll be late in submitting assignments.

• However, something more serious like an extended illness may occur 😞

• For all such cases: you’ll need to provide a note from your doctor, psychiatrist, academic advisor, etc.

• If you miss:
  • an assignment, your score will be reweighted to exclude that assignment
  • the midterm, those grades will be shifted to the final.
  • the final, you’ll have to write a make-up final as soon as possible.
How to Get Help?

- Use the course **discussion board** for questions on course material (so keep reading from it!)
- If you answer a challenging question you may get **bonus points**! 😊

- **Go to office hours**
  - times will be finalized by next week
  - Poll to be posted on Piazza

- Can schedule by appointment if you can document a conflict with the official office hours
Getting Help from Other Students? From the Web? (Plagiarism)

- It is **OK** to talk with your classmates about assignments; learning from each other is good

- **But you must:**
  - **Not copy** from others (with or without the consent of the authors)
  - Write/present your work *completely on your own* (code questions exception)

- **If you use external source** (e.g., Web) in the assignments. Report this.

  e.g., “bla bla bla····” [wikipedia]
Getting Help from Other Sources? (Plagiarism)

When you are in doubt whether the line is crossed:

- Talk to me or the TA’s
- See UBC official regulations on what constitutes plagiarism (pointer in course Web-page)
- Ignorance of the rules will not be a sufficient excuse for breaking them

Any unjustified cases will be severely dealt with by the Dean’s Office (that’s the official procedure)

- My advice: better to skip an assignment than to have “academic misconduct” recorded on your transcript and additional penalties as serious as expulsion from the university!
Clickers – Cheating

- Using another person’s clicker
- Having someone use your clicker

Is considered cheating with the same policies applying as would be the case for turning in illicit written work.
To Summarize

- All the course logistics are described in the course Webpage
  www.cs.ubc.ca/~carenini/TEACHING/CPSC422-17/index.html

Or WebSearch: Giuseppe Carenini

(And summarized in these slides)

- Make sure you carefully read and understand them!
Agents acting in an environment

prior knowledge
past experiences
goals/values
observations

Agent

Representation & Reasoning

Actions

Environment
422 big picture

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<th>Stochastic</th>
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**Applications of AI**

** Representation**

**Reasoning Technique**

**StarAI (statistical relational AI)**

Hybrid: Det + Sto

Prob CFG

Prob Relational Models

Markov Logics
Friday: Review Exam

- In-class
- Multiple choice
- Online using a Google Form
  - Bring a laptop/tablet/device
  - Optional: choose an alias
    - Email alias to jordon@cs.ubc.ca before class on Friday

- Based on CPSC 322 material
  - Logic
  - Uncertainty
  - Decision Theory
For Fri:
- Review CPSC 322 material

For Mon:
- Read textbook 9.4
- Read textbook 9.5
  - 9.5.1 Value of a Policy