10-301/601: Introduction to Machine Learning Lecture 0 – Logistics

Henry Chai

5/10/22

Course Website

https://www.cs.cmu.edu/~hchai2/courses/10601

Lecture Schedule

https://www.cs.cmu.edu/~hchai2/courses/10601/#Schedule

Schedule

Date	Topic	Slides	Readings/Resources
Mon, 5/16	No Class		
Tue, 5/17	Notation and Problem Formulation		
Wed, 5/18	Decision Trees		
Mon, 5/23	Nearest Neighbors		
Tue, 5/24	Model Selection		
Wed, 5/25	Perceptron		
Mon, 5/30	No Class (Memorial Day)		
Tue, 5/31	Linear Regression		
Wed, 6/01	MLE/MAP		
Mon, 6/06	Naïve Bayes		
Tue, 6/07	Logistic Regression		
Wed, 6/08	Feature Engineering and Regularization		

Exam Schedule

https://www.cs.cmu.edu/~hchai2/courses/10601/#Schedule

Schedule

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Mon, 6/13	Exam 1 Review
Tue, 6/14	Exam 1 (In-class)
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Mon, 7/18	Exam 2 Review
Tue, 7/19	Exam 2 (In-class)
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Wed, 8/10	Exam 3 Review
Fri, 8/12	Exam 3

Recitation Schedule

https://www.cs.cmu.edu/~hchai2/courses/10601/#Recitations

Recitations

Attendance at recitations is not required, but strongly encouraged. Recitations will be interactive and focus on problem solving; we strongly encourage you to actively participate. A problem sheet will usually be released prior to the recitation. If you are unable to attend one or you missed an important detail, feel free to stop by office hours to ask the TAs about the content that was covered. Of course, we also encourage you to exchange notes with your peers.

Date	Topic	Handout
Thu, 5/19	Recitation 1: HW1	
Thu, 5/26	Recitation 2: HW2	
Thu, 6/02	Recitation 3: HW3	
Thu, 6/09	Recitation 4: HW4	
Thu, 6/16	No Recitation (Post Exam)	
Thu, 6/23	Recitation 5: HW5	
Thu, 6/30	No Recitation (Summer Break)	
Thu, 7/07	Recitation 6: HW6	
Thu, 7/14	Recitation 7: HW7	
Thu, 7/21	No Recitation (Post Exam)	
Thu, 7/28	Recitation 8: HW8	
Thu, 8/04	Recitation 9: HW9	

Homework Assignments

https://www.cs.cmu.edu/~hchai2/courses/10601/#Assignments

Assignments

Release Date	Topic	Files	Gradescope	Due Date
Tue, 5/17	HW1: Background Material			Tue, 5/24 at 1:00 PM
Tue, 5/24	HW2: Decision Trees			Tue, 5/31 at 1:00 PM
Tue, 5/31	HW3: KNN, Perceptron, and Linear Regression			Tue, 6/07 at 1:00 PM
Tue, 6/07	HW4: Logistic Regression			Tue, 6/21 at 1:00 PM
Tue, 6/21	HW5: Neural Networks			Wed, 7/06 at 1:00 PM
Wed, 7/06	HW6: Generative Models and Learning Theory			Wed, 7/13 at 1:00 PM
Wed, 7/13	HW7: Graphical Models			Tue, 7/26 at 1:00 PM
Tue, 7/26	HW8: Reinforcement Learning			Tue, 8/02 at 1:00 PM
Tue, 8/02	HW9: Unsupervised Learning and SVMs			Tue, 5/09 at 1:00 PM

Office Hours

https://www.cs.cmu.edu/~hchai2/courses/10601/#Calendar

Course Calendar

10301/601 Office Hours (M22)

Today | May 2022 | Week | Month | Agenda

Sun	Mon	Tue	Wed	Thu	Fri	Sat
May 1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28

Course Syllabus

https://www.cs.cmu.edu/~hchai2/courses/10601/#Syllabus

- This whole section is **required** reading

Course Syllabus: Grading

https://www.cs.cmu.edu/~hchai2/courses/10601/#Syllabus

- 50% homework assignments
- 15% exam 1
- 15% exam 2
- 15% exam 3
- 5% participation
  - 5% (full credit) for 80% or greater poll participation
  - 3% for 65%-80% poll participation.
  - 1% for 50%-65% poll participation.
  - “Correctness” will not affect your participation grade
  - 50% credit for responses before the next lecture

Course Syllabus: Late Policy

https://www.cs.cmu.edu/~hchai2/courses/10601/#Syllabus

- 9 grace days for use across all homework assignments
- Only 3 grace days may be used per homework
- Only 1 grace day may be used for homework 3, 6 & 9
- Late submissions w/o grace days:
  - 1 day late = 75% multiplicative penalty
  - 2 days late = 50% multiplicative penalty
  - 3 days late = 25% multiplicative penalty
- No submissions accepted more than 3 days late

Course Syllabus: Collaboration Policy

https://www.cs.cmu.edu/~hchai2/courses/10601/#Syllabus

- Collaboration is encouraged but must be documented
- You must always write your own solutions
- Good approach to collaboration:
  1. Collectively work around an impermanent surface
  2. Disperse
  3. Erase all notes and start from scratch
- You may not re-use code/previous versions of the homework, whether your own or otherwise

Course Syllabus: Technologies

https://www.cs.cmu.edu/~hchai2/courses/10601/#Syllabus

- Ed, for course discussion: https://edstem.org/us/courses/22071/discussion/
  - See this pinned post for our lecture livestream link: https://edstem.org/us/courses/22071/discussion/1497129
- Gradescope, for submitting homework assignments: https://www.gradescope.com/courses/391896
- Polleverywhere, for in-class participation: https://pollev.com/301601polls
- Panopto, for lecture recordings: https://scs.hosted.panopto.com/Panopto/Pages/Sessions/List.aspx#folderID=%22892c28d3-f548-4a7a-9de0-ae90011552fa%22

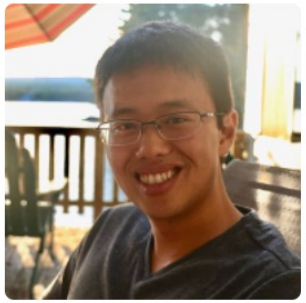
Staff

https://www.cs.cmu.edu/~hchai2/courses/10601/#Staff

Staff

Instructor

Henry Chai



Education Associate

Brynn Edmunds

Teaching Assistants

Ayush Khandelwal

Boyang (Jack) Lyu

Brendon Gu

Chutian Weng

Sana Lakdawala