Midterm Information

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# Policies

* Midterm is **Closed book**. No electronic device allowed. No need to use a calculator for the midterm.
* Plagiarism will not be tolerated and will result in **zero** grade for the midterm exam. Total marks is 100. The weight of the midterm exam grade for the entire course is 30%, as specified in the course syllabus.
* You will be given 50 T/F statements and each T/F statement is worth 2 points. Your answer should be either **True or False**.
* There is **NO** need to give any justification for your answer to avoid graders mis-interpreting your justification. Instead, the grade of **the last X T/F statements** that are considered poorly received by the entire class will be dropped (everyone gets the points for these statements no matter whether your answers are correct or not). The exact value of X is determined by the teaching stuff after the midterm.

# Content coverage of midterm

The midterm checks everything we covered in the lecture before the midterm exam. This include:

* + Chapter 2: Zero-order optimization
  + Chapter 3: First-order optimization
  + Chapter 5: Linear regression
  + Chapter 6: Linear two-class classification
  + Chapter 7: LInear multi-class classification
  + Chapter 8: Linear unsupervised learning
  + Chapter 9: Feature engineering and selection
  + Chapter 10: Principles of nonlinear feature engineering
  + Chapter 11: Principles of feature learning
  + Chapter 12: Kernel methods

You can get the textbook from [this github repo](https://github.com/jermwatt/machine_learning_refined/tree/main/sample_chapters/2nd_ed). We are using the 2nd edition. Any subsections in these chapters we didn’t cover in the lectures won’t be in the midterm either. You can find the course schedule on our course website: <https://sites.google.com/umass.edu/compsci589-fall23/home>

**You can see a Sample Midterm Exam** [**here**](https://docs.google.com/document/d/1HH6dkygm6BVHy9yTEnjL7FrEH09VstNGbYjGSHGQ6-0/edit?usp=sharing)**.**

# Exam time, location

| Items | Description | Notes |
| --- | --- | --- |
| **Regular Midterm** | |  |
| Date and Time | Thu, Nov 16 2023  **5:30 PM - 6:45 PM** | \*Online students will **have an extra 15 min** to take a picture of the solution and upload to gradescope. |
| Location | In person:   * Morrill Sci Center II Room 131 * Morrill Sci Ctr I – Room N375 | \*Double seating;  \*Room assignment will be announced before the midterm.  \*Each room has two TAs to proctor the exam |
| Online section:   * *Use the office hour zoom link (available on CANVAS)* * *During the exam, make sure the* ***Camera + Audio is ON.*** * ***Exam questions will be emailed to you around 5:30 PM, Nov. 16*** | \*Only students registered in the online section are allowed to take midterm online! **Arrive at least 5 min before the midterm so that TA can confirm your name and email address!**  \*No need to print out the exam question. Prepare a white paper and write the answer in the white paper; submit answers only  \* In case any Q/A is needed, speak to the TA with the question. **DON’T TYPE in the chat.**  \*Please ensure you have a good internet connection to ensure the camera and audio is stable and clear. |
| **Makeup Midterm 1** | | \*This makeup exam happens because of an exam conflict for a significant group of students in the class. Please offer your thanks to the TA Chhandak for willing to proctor the makeup exam. |
| Date and Time | Friday, Nov 17th, 2023  **5:15 PM - 6:30 PM** | \***Students need permissions to participate in the makeup midterm** |
| Location | In person:   * CS142 | \*TA Chhandak Bagchi will proctor the makeup exam.  \*The room will be locked before the TA opens the door. |
| Makeup Midterm 2 (Online section only) | | \*This makeup exam is for online students who cannot make it to the regular exam time due to time zone difference. **Instructor approval required to take this exam.** |
| Date and Time | Friday, Nov 17th, 2023  10:30 AM - 11:45 AM (Eastern Time) |  |
| Location | * *Use the office hour zoom link (available on CANVAS)* * *During the exam, make sure the* ***Camera + Audio is ON.*** * *Exam questions will be available on Canvas at the start of the exam* | \***Arrive at least 5 min before the midterm so that TA can confirm your name and email!** |