

# Logistics

CSE 4334 / 5334 Data Mining

**Won Hwa Kim**

Department of Computer Science and Engineering, University of Texas at Arlington, Spring 2019



## Instructor



### Won Hwa Kim

- Assistant Professor, CSE
- Office: SEIR 324
- [won.kim@uta.edu](mailto:won.kim@uta.edu)
- <http://ranger.uta.edu/~wonhwa>

### Research Interests

- Machine Learning, Computer Vision, Data Science, Neuroimaging

# Basics



## Lectures

- Mon/Wed 1:00-2:20pm, ERB 130

## Office hours

- Mon 11:00am-12:00pm, SEIR 324

## TA

- TBD

# Preparation/Expectation



- ❖ Be hands-on and have good programming experience
  - You are expected to use either or both Python and Matlab
- ❖ Be comfortable with topics in your math and statistics
  - Must be familiar with Linear Algebra, Calculus and Probability Theory
- ❖ Expect heavy workload, challenging assignments, exams
  - Be hard-working; expect to spend many, many hours; likely your heaviest course.
  - Exam is demanding; almost no student can finish all exam questions.
- ❖ Equal Opportunities and Subsequent Results
  - No Extra Credit Assignments
  - Same standard for everyone in grading

# Academic Integrity



## Violations

- Cheating on test/assignment; Plagiarism; Collusion

## Can I refer to external materials?

- Yes, but in your homework, source code, and documentation you must explicitly acknowledge the source of information.
- If you copy sentences (completely or partially) from other places, you must enclose them with quotation marks, in addition to provide references to the information source.
- Even if you rephrase, you still need to acknowledge the source.

# Academic Integrity



## What types of discussions are allowed?

- You can discuss topics related to assignments with your fellow students.
- But you cannot discuss your solutions.
- You must not provide your work (email, hard copy, or in any form) to anyone for any purpose. Following actions are not acceptable:
  - “I emailed it to my roommate/friend so that I can submit from their computer, since I couldn’t get online from mine.”
  - “I sent it to my roommate/friend so that I can compile and test my program on their computer, since mine was down.”

# Academic Integrity



Tutorial: <http://library.uta.edu/plagiarism/index.php>

More information at <http://www.uta.edu/conduct/academic-integrity/index.php>

The chance of being caught is large; we use tools to diligently check and compare the documents and source codes that you submit to us.

The consequence is certain:

- I will submit the form of “faculty referral of honor code violation” to the university. No exception!
- Academic penalty in the context of this course: 0 on assignment/exam, reduced grade, failing grade of the course
- Penalty by the university: probation, suspension, expulsion, ...

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# Textbooks



- (Required) Pang-Ning Tan, Michael Steinbach, and Vipin Kumar. Introduction to Data Mining. (Sample chapters at <http://www-users.cs.umn.edu/~kumar/dmbook/index.php>)
- (Required for relevant chapters) Christopher D. Manning, Prabhakar Raghavan and Hinrich Schütze. Introduction to Information Retrieval. (Free book at <http://nlp.stanford.edu/IR-book/>)
- (Required for relevant chapters) Tom Mitchell, Machine Learning (Free book at <https://www.cs.ubbcluj.ro/~gabis/ml/ml-books/McGrawHill%20-%20Machine%20Learning%20-Tom%20Mitchell.pdf/>)
- (Reference) Jure Leskovec, Anand Rajaraman and Jeff Ullman. Mining of Massive Datasets. (Free book at <http://www.mmids.org/#ver21>)
- (Reference) Jiawei Han, Micheline Kamber and Jian Pei. Data Mining: Concepts and Techniques.
- (Reference) Gareth James, Daniela Witten, Trevor Hastie and Robert Tibshirani. An Introduction to Statistical Learning with Applications in R. (Free book at <http://www-bcf.usc.edu/~gareth/ISL/index.html>)
- (Reference) I. H. Witten and E. Frank. Data Mining: Practical Machine Learning Tools and Techniques with Java Implementations.

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# Blackboard



- ❖ Assignment instruction (Please READ!)
- ❖ Submission (we don't accept email submission or hard-copy)
- ❖ Grades
- ❖ Questions, Discussion Forum

# Deadlines



- ❖ Everything will be submitted through Blackboard.
- ❖ Due time: 11:59pm
- ❖ Late days: you have 2 late days throughout the semester, so use them wisely!
- ❖ Late submission: points will be deducted by certain percentages based on the number of late days

# Regrading



- ❖ Within 7 days we post scores on Blackboard, TA will handle regrade requests. Won't consider it after 7 days.
- ❖ If not satisfied with the results, 7 days to request again. Instructor will handle it, and the decision is final.

# Your Email



- ❖ Make sure your UTA email account works.
- ❖ We will only contact you by your UTA email. Check it on a daily basis.