

We will start at 9:50 on the dot. Now is a great time to ask me questions if you have any.

Also, while we wait, please fill out the “Daily Discussion Question” on Canvas!

# EPSY 3264: Basic and Applied Statistics

Instructor: Sam Ihlenfeldt

TA: Jiayi Deng

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# Agenda

1. Instructor Introductions
2. Course goals and philosophy
3. Course materials
4. Course flow
5. Grade breakdown
6. Group introduction and discussion  
questions
7. Review!
8. Additional resources

# Sam Ihlenfeldt

## He/Him



Quantitative Methods in Education PhD student (4th year)

I'm from St. Paul, Minnesota. I went to Carleton College ('14) to study Statistics and Spanish.

Some fun facts about me:

- Former competitive Magic player
- Cat dad
- Middle school cooking instructor?
- Fan of going to "the movies"
- Volunteer at the Farmer's Market
- Spend too much time on TikTok





# Jiayi Deng

She/Her

- HKBU – KU – UMN
- From China
- Enjoy hiking, biking and traveling
- Like spicy food.





# Course Goals

What the course **will** do:

- Teach the basics of Statistical inference through modeling and simulation
- Introduce terms and procedures that will allow you to conduct and communicate statistical research
- Explore the interdisciplinary nature of Statistics by posing questions from a variety of real-world scenarios

What the course **will not** do:

- Require excessive computation or mathematics
- Require the learning of a new programming language

# Course Philosophy

## (For classwork)

- Your job:
  - Come prepared
  - Be present to learn (ask questions!)
  - Teach your classmates
- Our job:
  - Come prepared
  - Be available (answer questions!)
  - Guide your learning
- Ideally, you will all get an A!
- Flexibility is important, but so is communication.

# Course Materials

- Textbook (free!)
- Lab Manual (also free!)
- TinkerPlots
  - Easy to use, no complex math needed!
  - Available on AppsToGo
  - Need to purchase \$7 license
  - For troubleshooting, please contact UMN IT
- Everything is on Canvas!



# Course Flow

Each day (give or take a few minutes):

- Ungraded refresher question (5 min)
- Introduction to lab work (15 min)
- Lab work in groups (40 min)
- Review and questions! (15 min)

Each unit (approximately every 3 weeks):

- Meet new groups on the first day
- Group quiz on the last day
- Turn in your individual exam by midnight the following Friday

# Breakdown of your grade...

- Individual Assessments
  - More like a difficult homework assignment than a midterm exam
  - Each linked to a Unit
  - This is **individual work** and must be completed on your own.
  - Open book, open note
  - Each exam is worth 10% of your final grade. ( $5 \times 10 = 50\%$ )
- Group Quizzes
  - Each quiz is worth 10% of your final grade. ( $5 \times 10 = 50\%$ )
  - Make-up quiz at the end of the semester.
  - Too many absences in a unit = taking quiz solo
- Final Exam
  - None!

# In your Unit 1 groups...

- Introduce yourself (year, major, etc.)
- Answer the question from before – most recent Youtube video or TikTok you watched (hopefully not since the beginning on class...)
- Consider exchanging e-mails!
- In your group, fill out the following discussion question posted to Canvas:
  - What words come to mind when you think of **statistics**?
  - What questions can statistics help us answer?
- If you end up with extra time, please stick around until we come back together.

# Getting Help

Sam's office hours:

- Monday and Wednesday, right after class!
- Or by appointment!
- Or by e-mail!
- I will respond to most e-mails within 24h.

Jiayi's office hours:

- Wednesday, 3-4pm
- Or by appointment!
- Or by e-mail!

Other office hours:

- Times and Zoom rooms for other TA's office hours listed on Canvas

# Getting Help

- Your mental health is important to me!
- I am flexible with exam extensions – please reach out to me at any point **before** they are due to work something out.
- **Attendance is required, but not graded.** If you need to miss class for a day, let me know in advance so I can shuffle groups.
- In both prior cases, you don't need to give a reason if you don't feel comfortable.
- Help me help you! Let me know what you need. I am always available to listen.
- If you need to talk to someone aside from me or Jiayi, a link to the UMN mental health resources web page is linked in the syllabus.

Any Questions?

(I also have office hours now)