

Materials

Lecture notes

Lecture notes include Katie's lecture notes and additional resources from each week, including slides, demos, and further reading.

- [Week 1: R Basics](#)
- Week 2: Data visualization
- Week 3: Data wrangling
- Week 4: Sampling distribution
- Week 5: Hypothesis testing
- Week 6: Exam 1 review
- Week 7: Model specification
- Week 8: Model fitting
- Week 9: Model accuracy
- Week 10: Model reliability
- Week 11: Classification
- Week 12: Inference
- Week 13: Exam 2 review
- Week 15: Multilevel Models

Problem sets

There are 6 problem sets, due to Gradescope by noon on the following Mondays. You may request an extension of up to 3 days for any reason. After solutions are posted, late problem sets can still be submitted for half credit (50%). If you submit all 6 problem sets, we will drop your lowest.

- Problem set 1 due Sep 9
- Problem set 2 due Sep 23
- Problem set 3 due Oct 14
- Problem set 4 due Oct 28
- Problem set 5 due Nov 11
- Problem set 6 due Dec 9

Exams

There are 2 midterm exams, taken in class on the following dates. Exams cannot be rescheduled, except in cases of genuine conflict or emergency (documentation and a [Course Action Notice](#) are required). However, you can submit any missed exam by the end of the semester

for half credit (50%). You may also replace your lowest midterm exam score with the optional final exam.

- Exam 1 in class Tuesday Oct 1
- Exam 2 in class Thursday Nov 21
- Final exam (optional) TBD

Lab exercises

Lab exercises are intended for practice and are not graded.

- Lab 1 on Aug 29 or 30
- Lab 2 on Sep 5 or 6
- Lab 3 on Sep 12 or 13
- Lab 4 on Sep 19 or 20
- Lab 5 on Oct 10 or 11
- Lab 6 on Oct 17 or 18
- Lab 7 on Oct 24 or 25
- Lab 8 on Nov 1 or 2
- Lab 9 on Nov 8 or 9
- Lab 10 on Dec 5 or 6