

Course Info

Syllabus: [STAT 340 Syllabus Powers Fall 2024.pdf](https://canvas.wisc.edu/courses/427090/files/40634843?wrap=1) (<https://canvas.wisc.edu/courses/427090/files/40634843?wrap=1>). [↓](https://canvas.wisc.edu/courses/427090/files/40634843/download?download_frd=1) ([https://canvas.wisc.edu/courses/427090/files/40634843/download?download\\_frd=1](https://canvas.wisc.edu/courses/427090/files/40634843/download?download_frd=1))

Lecture: Tuesday, Thursday 1-2:15 in 204 Educational Sciences (1025 W. Johnson St.)

Instructor: Brian Powers, [brpowers2@wisc.edu](mailto:brpowers2@wisc.edu) (<mailto:brpowers2@wisc.edu>).

Office Hours:

- Wednesdays 1-2:30 on zoom <https://uwmadison.zoom.us/j/91763501216?pwd=RkxLQlZUR0dTcVQ0c3Jad2hDQ2lNdz09> [↗](https://uwmadison.zoom.us/j/91763501216?pwd=RkxLQlZUR0dTcVQ0c3Jad2hDQ2lNdz09) (<https://uwmadison.zoom.us/j/91763501216?pwd=RkxLQlZUR0dTcVQ0c3Jad2hDQ2lNdz09>)
- Thursdays 2:30-4pm, Medical Sciences Center room 1217 C

TAs:

- Nabil Awan, [nawan2@wisc.edu](mailto:nawan2@wisc.edu) (<mailto:nawan2@wisc.edu>).
  - Office hours: **Tuesday 3:30-5:00 p.m.** ([Zoom link](https://uwmadison.zoom.us/j/97561597101?pwd=PdbbNbhpbBoAqdiVGRuVZ7blqBdR0aH.1&from=addon) [↗](https://uwmadison.zoom.us/j/97561597101?pwd=PdbbNbhpbBoAqdiVGRuVZ7blqBdR0aH.1&from=addon) (<https://uwmadison.zoom.us/j/97561597101?pwd=PdbbNbhpbBoAqdiVGRuVZ7blqBdR0aH.1&from=addon>), Meeting ID: 975 6159 7101, Passcode: 733623), **Wednesday 1:30-3:00 p.m.** (6190 Medical Sciences Center)
- Christian Varner, [cvarner@wisc.edu](mailto:cvarner@wisc.edu) (<mailto:cvarner@wisc.edu>).
  - Office hours: **Thursday and Friday** from 12:35 – 2:15, location TBA

STAT 240 notes

For your review: [240-notes.zip](https://canvas.wisc.edu/courses/427090/files/40706501?wrap=1) (<https://canvas.wisc.edu/courses/427090/files/40706501?wrap=1>). [↓](https://canvas.wisc.edu/courses/427090/files/40706501/download?download_frd=1) ([https://canvas.wisc.edu/courses/427090/files/40706501/download?download\\_frd=1](https://canvas.wisc.edu/courses/427090/files/40706501/download?download_frd=1))

Course Textbooks

Reading for each week is indicated with a 📖 , and required reading is highlighted in yellow. Other sources will be individually linked to with a 🍷 .

- [Introduction to Data Science](https://rafalab.github.io/dsbook/) [↗](https://rafalab.github.io/dsbook/) (<https://rafalab.github.io/dsbook/>). (IDS) by Rafael Irizarry
- [R for Data Science](https://r4ds.had.co.nz/index.html) [↗](https://r4ds.had.co.nz/index.html) (<https://r4ds.had.co.nz/index.html>). (R4DS) by Hadley Wickham and Garrett Grolemund
- [Introduction to Probability and Statistics](http://ipsur.r-forge.r-project.org/book/download/IPSUR.pdf) [↗](http://ipsur.r-forge.r-project.org/book/download/IPSUR.pdf) (<http://ipsur.r-forge.r-project.org/book/download/IPSUR.pdf>). Using R (IPSUR) by G. Jay Kerns
- [Introduction to Probability for Data Science](https://probability4datascience.com/) [↗](https://probability4datascience.com/) (<https://probability4datascience.com/>). (P4DS) by Stanley H. Chan
- [An Introduction to Statistical Learning, 2nd Edition](https://statlearning.com/) [↗](https://statlearning.com/) (<https://statlearning.com/>). (ISLR) by Gareth James, Daniela Witten, Trevor Hastie and Robert Tibshirani

Practice Problems

This document contains a plethora of practice problems you can work on throughout the course. They have been collected from various sources. They are purely for personal practice. Solutions are included

- [STAT340\\_Practice.html](https://canvas.wisc.edu/courses/427090/files/40541627?wrap=1) (<https://canvas.wisc.edu/courses/427090/files/40541627?wrap=1>). [↓](https://canvas.wisc.edu/courses/427090/files/40541627/download?download_frd=1) ([https://canvas.wisc.edu/courses/427090/files/40541627/download?download\\_frd=1](https://canvas.wisc.edu/courses/427090/files/40541627/download?download_frd=1)) ([source](https://canvas.wisc.edu/courses/427090/files/40541628?wrap=1) (<https://canvas.wisc.edu/courses/427090/files/40541628?wrap=1>) [↓](https://canvas.wisc.edu/courses/427090/files/40541628/download?download_frd=1) ([https://canvas.wisc.edu/courses/427090/files/40541628/download?download\\_frd=1](https://canvas.wisc.edu/courses/427090/files/40541628/download?download_frd=1)) ) updated 1/23/2024

Class Discord

Post all general questions, and questions regarding hw, discussion and exams here; if it's of a private nature you should email me or your TA











- link forthcoming



Weekly Lecture Notes

(future topic dates are tentative)

Week & Topics	Tuesday	Th
0. Course Introduction		9/5
<ul style="list-style-type: none"><li>• <a href="https://canvas.wisc.edu/courses/427090/files/40541623?wrap=1">L00_motivation.html</a> (<a href="https://canvas.wisc.edu/courses/427090/files/40541623?wrap=1">https://canvas.wisc.edu/courses/427090/files/40541623?wrap=1</a>) <a href="https://canvas.wisc.edu/courses/427090/files/40541623/download?download_frd=1">↓</a> (<a href="https://canvas.wisc.edu/courses/427090/files/40541623/download?download_frd=1">https://canvas.wisc.edu/courses/427090/files/40541623/download?download_frd=1</a>)</li></ul>		<a href="#">S0</a> ( <a href="#">ht</a> ) <a href="#">↓</a> ( <a href="#">ht</a> ) <a href="#">doi</a>

		<a href="#">WC</a> (ht ↓ (ht doi
<b>1. Random Variables</b> <ul style="list-style-type: none"> <li>• <a href="https://canvas.wisc.edu/courses/427090/files/40541620?wrap=1">lecture notes (https://canvas.wisc.edu/courses/427090/files/40541620?wrap=1)</a>. <a href="https://canvas.wisc.edu/courses/427090/files/40541620/download?download_frd=1">↓</a> (<a href="https://canvas.wisc.edu/courses/427090/files/40541621?wrap=1">source (https://canvas.wisc.edu/courses/427090/files/40541621?wrap=1)</a>. <a href="https://canvas.wisc.edu/courses/427090/files/40541621/download?download_frd=1">↓</a> (<a href="https://canvas.wisc.edu/courses/427090/files/40541621/download?download_frd=1">https://canvas.wisc.edu/courses/427090/files/40541621/download?download_frd=1</a>) )</li> <li>• <a href="https://canvas.wisc.edu/courses/427090/files/40667751?wrap=1">slides (https://canvas.wisc.edu/courses/427090/files/40667751?wrap=1)</a>. <a href="https://canvas.wisc.edu/courses/427090/files/40667751/download?download_frd=1">↓</a> (<a href="https://canvas.wisc.edu/courses/427090/files/40667751/download?download_frd=1">https://canvas.wisc.edu/courses/427090/files/40667751/download?download_frd=1</a>)</li> <li>•  IDS ch 2,3,8</li> <li>•  R4DS ch 19-21</li> <li>•  IPSUR ch 5,6</li> <li>•  P4DS ch 3,4</li> <li>• <a href="https://canvas.wisc.edu/courses/427090/files/40772512?wrap=1">RV Summary (https://canvas.wisc.edu/courses/427090/files/40772512?wrap=1)</a>. <a href="https://canvas.wisc.edu/courses/427090/files/40772512/download?download_frd=1">↓</a> (<a href="https://canvas.wisc.edu/courses/427090/files/40772512/download?download_frd=1">https://canvas.wisc.edu/courses/427090/files/40772512/download?download_frd=1</a>)</li> </ul>	9/10  <a href="https://canvas.wisc.edu/courses/427090/files/40812432?wrap=1">S01_randomvariables_annotated-1.pdf</a> ( <a href="https://canvas.wisc.edu/courses/427090/files/40812432?wrap=1">https://canvas.wisc.edu/courses/427090/files/40812432?wrap=1</a> ) <a href="https://canvas.wisc.edu/courses/427090/files/40812432/download?download_frd=1">↓</a> ( <a href="https://canvas.wisc.edu/courses/427090/files/40812432/download?download_frd=1">https://canvas.wisc.edu/courses/427090/files/40812432/download?download_frd=1</a> )	9/1
<b>2. Independence, Conditional Probability, Bayes Theorem</b> <ul style="list-style-type: none"> <li>• <a href="https://canvas.wisc.edu/courses/427090/files/40541584?wrap=1">lecture notes (https://canvas.wisc.edu/courses/427090/files/40541584?wrap=1)</a>. <a href="https://canvas.wisc.edu/courses/427090/files/40541584/download?download_frd=1">↓</a> (<a href="https://canvas.wisc.edu/courses/427090/files/40541585?wrap=1">source (https://canvas.wisc.edu/courses/427090/files/40541585?wrap=1)</a>. <a href="https://canvas.wisc.edu/courses/427090/files/40541585/download?download_frd=1">↓</a> (<a href="https://canvas.wisc.edu/courses/427090/files/40541585/download?download_frd=1">https://canvas.wisc.edu/courses/427090/files/40541585/download?download_frd=1</a>) ) (<a href="https://canvas.wisc.edu/courses/427090/files/40772223?wrap=1">slides (https://canvas.wisc.edu/courses/427090/files/40772223?wrap=1)</a>. <a href="https://canvas.wisc.edu/courses/427090/files/40772223/download?download_frd=1">↓</a> (<a href="https://canvas.wisc.edu/courses/427090/files/40772223/download?download_frd=1">https://canvas.wisc.edu/courses/427090/files/40772223/download?download_frd=1</a>) )</li> <li>•  P4DS sec 2.4</li> <li>•  <a href="https://jamesstone.sites.sheffield.ac.uk/books/bayes-rule/an-introduction-to-bayes-rule-chapter-1">An Introduction to Bayes' Rule</a> <a href="https://jamesstone.sites.sheffield.ac.uk/books/bayes-rule/an-introduction-to-bayes-rule-chapter-1">↗</a> (<a href="https://jamesstone.sites.sheffield.ac.uk/books/bayes-rule/an-introduction-to-bayes-rule-chapter-1">https://jamesstone.sites.sheffield.ac.uk/books/bayes-rule/an-introduction-to-bayes-rule-chapter-1</a>) by James Stone</li> <li>•  <a href="https://greenteapress.com/wp/think-bayes/">Think Bayes</a> <a href="https://greenteapress.com/wp/think-bayes/">↗</a> (<a href="https://greenteapress.com/wp/think-bayes/">https://greenteapress.com/wp/think-bayes/</a>) ch 1&amp;2</li> </ul>	9/17	9/1
<b>3. Monte Carlo Methods</b> <ul style="list-style-type: none"> <li>• <a href="https://canvas.wisc.edu/courses/427090/files/40541598?wrap=1">lecture notes (https://canvas.wisc.edu/courses/427090/files/40541598?wrap=1)</a>. <a href="https://canvas.wisc.edu/courses/427090/files/40541598/download?download_frd=1">↓</a> (<a href="https://canvas.wisc.edu/courses/427090/files/40541598/download?download_frd=1">https://canvas.wisc.edu/courses/427090/files/40541598/download?download_frd=1</a>)</li> <li>•  <a href="https://www.ncbi.nlm.nih.gov/pmc/articles/PMC2924739/">Introduction to Monte Carlo Simulation</a> <a href="https://www.ncbi.nlm.nih.gov/pmc/articles/PMC2924739/">↗</a> (<a href="https://www.ncbi.nlm.nih.gov/pmc/articles/PMC2924739/">https://www.ncbi.nlm.nih.gov/pmc/articles/PMC2924739/</a>) by R.L. Harrison</li> </ul>	9/24	9/2
<b>4. Testing (part 1)</b> <ul style="list-style-type: none"> <li>◦ <a href="https://canvas.wisc.edu/courses/427090/files/40541589?wrap=1">Lecture Notes (https://canvas.wisc.edu/courses/427090/files/40541589?wrap=1)</a>. <a href="https://canvas.wisc.edu/courses/427090/files/40541589/download?download_frd=1">↓</a> (<a href="https://canvas.wisc.edu/courses/427090/files/40541589/download?download_frd=1">https://canvas.wisc.edu/courses/427090/files/40541589/download?download_frd=1</a>) (<a href="https://canvas.wisc.edu/courses/427090/files/40541590?wrap=1">source (https://canvas.wisc.edu/courses/427090/files/40541590?wrap=1)</a>. <a href="https://canvas.wisc.edu/courses/427090/files/40541590/download?download_frd=1">↓</a> (<a href="https://canvas.wisc.edu/courses/427090/files/40541590/download?download_frd=1">https://canvas.wisc.edu/courses/427090/files/40541590/download?download_frd=1</a>) )</li> <li>•  P4DS Sec 9.3, 9.4, 9.5</li> <li>•  IPSUR sec 10.1, 10.2, 10.4</li> <li>•  <a href="http://allendowney.blogspot.com/2016/06/there-is-still-only-one-test.html">There is only one test!</a> <a href="http://allendowney.blogspot.com/2016/06/there-is-still-only-one-test.html">↗</a> (<a href="http://allendowney.blogspot.com/2016/06/there-is-still-only-one-test.html">http://allendowney.blogspot.com/2016/06/there-is-still-only-one-test.html</a>) by Allen Downey</li> <li>•  <a href="https://www.jwilber.me/permutationtest/">Permutation Test: Visual Explanation</a> <a href="https://www.jwilber.me/permutationtest/">↗</a> (<a href="https://www.jwilber.me/permutationtest/">https://www.jwilber.me/permutationtest/</a>) by Jared Wilber</li> </ul>	10/1	10/
<b>5. Testing (part 2)</b>	10/8	10/

<ul style="list-style-type: none"> <li>• <a href="https://canvas.wisc.edu/courses/427090/files/40541617?wrap=1">lecture notes (https://canvas.wisc.edu/courses/427090/files/40541617?wrap=1)</a>. <a href="https://canvas.wisc.edu/courses/427090/files/40541617/download?download_frd=1">↓</a> (https://canvas.wisc.edu/courses/427090/files/40541617/download?download_frd=1) (<a href="https://canvas.wisc.edu/courses/427090/files/40541609?wrap=1">source (https://canvas.wisc.edu/courses/427090/files/40541609?wrap=1)</a>. <a href="https://canvas.wisc.edu/courses/427090/files/40541609/download?download_frd=1">↓</a> (https://canvas.wisc.edu/courses/427090/files/40541609/download?download_frd=1) )</li> <li>•</li> <li>• <a href="https://canvas.wisc.edu/courses/427090/files/40541610?wrap=1">Additional Examples (https://canvas.wisc.edu/courses/427090/files/40541610?wrap=1)</a>. <a href="https://canvas.wisc.edu/courses/427090/files/40541610/download?download_frd=1">↓</a> (https://canvas.wisc.edu/courses/427090/files/40541610/download?download_frd=1)</li> </ul>		
<b>6. Estimation (part 1)</b> <ul style="list-style-type: none"> <li>◦ <a href="https://canvas.wisc.edu/courses/427090/files/40541613?wrap=1">lecture notes (https://canvas.wisc.edu/courses/427090/files/40541613?wrap=1)</a> <a href="https://canvas.wisc.edu/courses/427090/files/40541613/download?download_frd=1">↓</a> (https://canvas.wisc.edu/courses/427090/files/40541613/download?download_frd=1) (<a href="#">RMD</a> <a href="https://canvas.wisc.edu/courses/427090/files/40541614?wrap=1">https://canvas.wisc.edu/courses/427090/files/40541614?wrap=1)</a>. <a href="https://canvas.wisc.edu/courses/427090/files/40541614/download?download_frd=1">↓</a> (https://canvas.wisc.edu/courses/427090/files/40541614/download?download_frd=1) )</li> <li>•  IDS Section 15.1, 15.2, 15.4, 15.6</li> <li>•  IPSUR 8.1, 8.2, Ch 9</li> </ul>	10/15	10/
<b>Midterm Week</b> <a href="#">Topic Review</a> <a href="https://canvas.wisc.edu/courses/427090/pages/ge2ee7837a8aea2bb175ee5f181067dff">https://canvas.wisc.edu/courses/427090/pages/ge2ee7837a8aea2bb175ee5f181067dff</a>	10/22 review	10/ in-t
<b>7. Estimation (part 2)</b> <ul style="list-style-type: none"> <li>• <a href="https://canvas.wisc.edu/courses/427090/files/40541630?wrap=1">lecture notes (https://canvas.wisc.edu/courses/427090/files/40541630?wrap=1)</a>. <a href="https://canvas.wisc.edu/courses/427090/files/40541630/download?download_frd=1">↓</a> (https://canvas.wisc.edu/courses/427090/files/40541630/download?download_frd=1) (<a href="https://canvas.wisc.edu/courses/427090/files/40541631?wrap=1">RMD (https://canvas.wisc.edu/courses/427090/files/40541631?wrap=1)</a>. <a href="https://canvas.wisc.edu/courses/427090/files/40541631/download?download_frd=1">↓</a> (https://canvas.wisc.edu/courses/427090/files/40541631/download?download_frd=1) )</li> <li>•</li> <li>• <a href="https://canvas.wisc.edu/courses/427090/files/40541632?wrap=1">Additional Examples (https://canvas.wisc.edu/courses/427090/files/40541632?wrap=1)</a>. <a href="https://canvas.wisc.edu/courses/427090/files/40541632/download?download_frd=1">↓</a> (https://canvas.wisc.edu/courses/427090/files/40541632/download?download_frd=1)</li> </ul>	10/29	10/
<b>8. Prediction</b> <ul style="list-style-type: none"> <li>• <a href="https://canvas.wisc.edu/courses/427090/files/40541636?wrap=1">lecture notes (https://canvas.wisc.edu/courses/427090/files/40541636?wrap=1)</a>. <a href="https://canvas.wisc.edu/courses/427090/files/40541636/download?download_frd=1">↓</a> (https://canvas.wisc.edu/courses/427090/files/40541636/download?download_frd=1)</li> <li>•</li> <li>•  ISLR 3.1-3.3</li> <li>•  <a href="#">Overview of simple linear regression</a>  <a href="https://www.colorado.edu/amath/sites/default/files/attached-files/ch12_0.pdf">https://www.colorado.edu/amath/sites/default/files/attached-files/ch12_0.pdf</a></li> <li>•  IPSUR Ch 11</li> </ul>	11/5	11/
<b>9. Multiple Linear Regression</b> <ul style="list-style-type: none"> <li>• <a href="https://canvas.wisc.edu/courses/427090/files/40541634?wrap=1">lecture notes (https://canvas.wisc.edu/courses/427090/files/40541634?wrap=1)</a>. <a href="https://canvas.wisc.edu/courses/427090/files/40541634/download?download_frd=1">↓</a> (https://canvas.wisc.edu/courses/427090/files/40541634/download?download_frd=1)</li> <li>•</li> <li>•  ISLR 3.1-3.3, and 3.6</li> <li>•  IPSUR Ch 12</li> <li>•  P4DS Ch 7</li> <li>•  ISLR Sec 18.7</li> </ul>	11/12	11/
<b>10. Logistic Regression</b>	11/19	11/

<ul style="list-style-type: none"> <li>• <a href="https://canvas.wisc.edu/courses/427090/files/40541649?wrap=1">Lecture Notes (https://canvas.wisc.edu/courses/427090/files/40541649?wrap=1)</a>  <a href="https://canvas.wisc.edu/courses/427090/files/40541649/download?download_frd=1">↓ (https://canvas.wisc.edu/courses/427090/files/40541649/download?download_frd=1)</a> (<a href="https://canvas.wisc.edu/courses/427090/files/40541648?wrap=1">RMD (https://canvas.wisc.edu/courses/427090/files/40541648?wrap=1)</a>, <a href="https://canvas.wisc.edu/courses/427090/files/40541648/download?download_frd=1">↓ (https://canvas.wisc.edu/courses/427090/files/40541648/download?download_frd=1)</a> )</li> <li>• <a href="https://canvas.wisc.edu/courses/427090/files/40541650?wrap=1">Lecture Notes Extended (https://canvas.wisc.edu/courses/427090/files/40541650?wrap=1)</a>, <a href="https://canvas.wisc.edu/courses/427090/files/40541650/download?download_frd=1">↓ (https://canvas.wisc.edu/courses/427090/files/40541650/download?download_frd=1)</a> (<a href="https://canvas.wisc.edu/courses/427090/files/40541582?wrap=1">RMD (https://canvas.wisc.edu/courses/427090/files/40541582?wrap=1)</a>, <a href="https://canvas.wisc.edu/courses/427090/files/40541582/download?download_frd=1">↓ (https://canvas.wisc.edu/courses/427090/files/40541582/download?download_frd=1)</a> )</li> <li>•  ISLR Sec 4.1-4.3</li> <li>•  <a href="https://towardsdatascience.com/what-is-logistic-regression-60a273e6bd91">Overview of logistic regression</a> <a href="https://towardsdatascience.com/what-is-logistic-regression-60a273e6bd91">↗ (https://towardsdatascience.com/what-is-logistic-regression-60a273e6bd91)</a> by Ashutosh Tripathi</li> <li>• <a href="https://bwu62.shinyapps.io/Pima_logistic/">Pima rshiny app</a> <a href="https://bwu62.shinyapps.io/Pima_logistic/">↗ (https://bwu62.shinyapps.io/Pima_logistic/)</a></li> </ul>		
<p>11. Cross Validation and Model Selection</p> <ul style="list-style-type: none"> <li>◦ <a href="https://canvas.wisc.edu/courses/427090/files/40541656?wrap=1">lecture notes (https://canvas.wisc.edu/courses/427090/files/40541656?wrap=1)</a>  <a href="https://canvas.wisc.edu/courses/427090/files/40541656/download?download_frd=1">↓ (https://canvas.wisc.edu/courses/427090/files/40541656/download?download_frd=1)</a></li> <li>• <a href="https://canvas.wisc.edu/courses/427090/files/40541657?wrap=1">cv-extra.html (https://canvas.wisc.edu/courses/427090/files/40541657?wrap=1)</a>, <a href="https://canvas.wisc.edu/courses/427090/files/40541657/download?download_frd=1">↓ (https://canvas.wisc.edu/courses/427090/files/40541657/download?download_frd=1)</a> (<a href="https://canvas.wisc.edu/courses/427090/files/40541658?wrap=1">RMD (https://canvas.wisc.edu/courses/427090/files/40541658?wrap=1)</a>, <a href="https://canvas.wisc.edu/courses/427090/files/40541658/download?download_frd=1">↓ (https://canvas.wisc.edu/courses/427090/files/40541658/download?download_frd=1)</a> )</li> <li>• <a href="https://canvas.wisc.edu/courses/427090/files/40541659?wrap=1">R11 Model Selection.Rmd (https://canvas.wisc.edu/courses/427090/files/40541659?wrap=1)</a>, <a href="https://canvas.wisc.edu/courses/427090/files/40541659/download?download_frd=1">↓ (https://canvas.wisc.edu/courses/427090/files/40541659/download?download_frd=1)</a></li> <li>• <a href="https://canvas.wisc.edu/courses/427090/files/40541660?wrap=1">R11 Ridge LASSO.Rmd (https://canvas.wisc.edu/courses/427090/files/40541660?wrap=1)</a>, <a href="https://canvas.wisc.edu/courses/427090/files/40541660/download?download_frd=1">↓ (https://canvas.wisc.edu/courses/427090/files/40541660/download?download_frd=1)</a></li> <li>•  ISLR Sec 5.1,6.1,6.2</li> </ul>	11/26	11/ no
<p>12. Bootstrapping</p> <ul style="list-style-type: none"> <li>• <a href="https://canvas.wisc.edu/courses/427090/files/40541663?wrap=1">lecture notes (https://canvas.wisc.edu/courses/427090/files/40541663?wrap=1)</a>, <a href="https://canvas.wisc.edu/courses/427090/files/40541663/download?download_frd=1">↓ (https://canvas.wisc.edu/courses/427090/files/40541663/download?download_frd=1)</a> (<a href="https://canvas.wisc.edu/courses/427090/files/40541665?wrap=1">rmd (https://canvas.wisc.edu/courses/427090/files/40541665?wrap=1)</a>, <a href="https://canvas.wisc.edu/courses/427090/files/40541665/download?download_frd=1">↓ (https://canvas.wisc.edu/courses/427090/files/40541665/download?download_frd=1)</a> )</li> <li>• <a href="https://canvas.wisc.edu/courses/427090/files/40541666?wrap=1">More examples (https://canvas.wisc.edu/courses/427090/files/40541666?wrap=1)</a>  <a href="https://canvas.wisc.edu/courses/427090/files/40541666/download?download_frd=1">↓ (https://canvas.wisc.edu/courses/427090/files/40541666/download?download_frd=1)</a></li> <li>• <a href="https://canvas.wisc.edu/courses/427090/files/40541664?wrap=1">boot_demo.R (https://canvas.wisc.edu/courses/427090/files/40541664?wrap=1)</a>, <a href="https://canvas.wisc.edu/courses/427090/files/40541664/download?download_frd=1">↓ (https://canvas.wisc.edu/courses/427090/files/40541664/download?download_frd=1)</a></li> <li>•  ISLR Sec 5.2, 5.3</li> </ul>	12/3	12/
<p>Practice for Final Exam:</p> <p><a href="https://canvas.wisc.edu/courses/427090/files/40541669?wrap=1">STAT340-Topic-Overview.html (https://canvas.wisc.edu/courses/427090/files/40541669?wrap=1)</a>, <a href="https://canvas.wisc.edu/courses/427090/files/40541669/download?download_frd=1">↓ (https://canvas.wisc.edu/courses/427090/files/40541669/download?download_frd=1)</a></p> <ul style="list-style-type: none"> <li>• <a href="https://canvas.wisc.edu/courses/427090/files/40541669/download?download_frd=1">Practice Quiz 1 (\$CANVAS_OBJECT_REFERENCE\$/quizzes/g5b387daf66f4337ae30bf28afbaaf780)</a></li> <li>• <a href="https://canvas.wisc.edu/courses/427090/files/40541669/download?download_frd=1">More Practice (\$CANVAS_OBJECT_REFERENCE\$/quizzes/g1c568c391a70c1f3e3062e536c5ea475)</a></li> <li>• <a href="https://canvas.wisc.edu/courses/427090/files/40541669/download?download_frd=1">Extra Practice (\$CANVAS_OBJECT_REFERENCE\$/quizzes/ga3eeb3ef81d631695d8459742b89c9d9)</a></li> </ul>	12/10  last class  review for final	

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| <ul style="list-style-type: none"><li>• <a href="https://canvas.wisc.edu/courses/427090/files/40541646?wrap=1">Final_s23</a> (<a href="https://canvas.wisc.edu/courses/427090/files/40541646?wrap=1">https://canvas.wisc.edu/courses/427090/files/40541646?wrap=1</a>). <a href="#">↓</a><br/>(<a href="https://canvas.wisc.edu/courses/427090/files/40541646/download?download_frd=1">https://canvas.wisc.edu/courses/427090/files/40541646/download?download_frd=1</a>)<br/>(<a href="https://canvas.wisc.edu/courses/427090/files/40541647?wrap=1">solutions</a> (<a href="https://canvas.wisc.edu/courses/427090/files/40541647?wrap=1">https://canvas.wisc.edu/courses/427090/files/40541647?wrap=1</a>). <a href="#">↓</a><br/>(<a href="https://canvas.wisc.edu/courses/427090/files/40541647/download?download_frd=1">https://canvas.wisc.edu/courses/427090/files/40541647/download?download_frd=1</a>)<br/>)</li><li>• <a href="https://canvas.wisc.edu/courses/427090/files/40541654?wrap=1">Final_f23</a> (<a href="https://canvas.wisc.edu/courses/427090/files/40541654?wrap=1">https://canvas.wisc.edu/courses/427090/files/40541654?wrap=1</a>). <a href="#">↓</a><br/>(<a href="https://canvas.wisc.edu/courses/427090/files/40541654/download?download_frd=1">https://canvas.wisc.edu/courses/427090/files/40541654/download?download_frd=1</a>)<br/>(<a href="https://canvas.wisc.edu/courses/427090/files/40541668?wrap=1">solutions</a> (<a href="https://canvas.wisc.edu/courses/427090/files/40541668?wrap=1">https://canvas.wisc.edu/courses/427090/files/40541668?wrap=1</a>). <a href="#">↓</a><br/>(<a href="https://canvas.wisc.edu/courses/427090/files/40541668/download?download_frd=1">https://canvas.wisc.edu/courses/427090/files/40541668/download?download_frd=1</a>)<br/>)</li><li>• Final s24 (solutions)</li></ul> |  |
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## Final Exam

Friday Dec 18, 12:15-2:15, location TBD