

STATISTICS: 2450 INTRODUCTION TO STATISTICAL ANALYSIS I AUTUMN 2017

Course overview

Instructor & Office Hours

Colby Long <u>long.1579@osu.edu</u> M & Th 9a-10a Jennings (JE) JE380

Teaching Assistant (to be comple	eted by student)
Contact Information for other St	(Course Coordinator)
Contact Information for other St	•

Meeting Days/Times

MW 1:50p – 2:45p Campbell 200. with recitations on F @ 11:30a,12:40p,or1:50p in the EA bldg.

Course description

Calculus-based introduction to statistical data analysis. Includes sampling, experimental design, probability, binomial and normal distributions, sampling distributions, inference, regression, ANOVA, two-way tables. The prerequisite for this 3 credit hour course is differential calculus.

Your Support System

Coordinator Provide the overarching view of the clusters of concepts.

& Lecturer

Recitations Reinforce and extend content covered in lecture.

Students should expect to be active participants in these sessions.

Tutor Hours Are in Cockins (CH) 132 and provide you with additional support on a

walk-in basis M- R 9:10a – 5:20p & Fridays 9:10a – 12:45p.

Primary Course Goal:

• To develop skills in drawing conclusions & critically evaluating results based on data.

Course Objectives:

- To enable you to use statistical tools for presentation and descriptions of data
- To enable you to correctly apply probability rules and counting techniques.
- To enable you to understand the use of sampling distributions as the foundation of inference.
- To enable you to analyze data through linear regression, confidence intervals, and hypothesis tests.
- To enable you to use your knowledge of calculus to conceptually understand its role in computing probabilities.

Course learning outcomes

By the end of this course, students should successfully be able to:

- Understand basic concepts of statistics and probability.
- Comprehend methods needed to analyze and critically evaluate statistical arguments.
- Recognize the importance of statistical ideas.

Dr. Baker's vision for your completion of STAT 2450

- You will become proficient in collecting, organizing, analyzing, and interpreting data
- You will become competent in the use of data analysis software.
- You will conceptually understand situations involving random phenomena.
- You will interpret findings and improve your ability to justify your results.
- Your metacognition & desire to reflect upon what you have learned will be heightened.
- You will respond to a problem by: considering any relevant assumptions, analyzing, and effectively communicating your results.
- You will gain a greater appreciation for statistics (and the underpinning mathematics).
- You will complete the Data Analysis GE requirement.

Personal Vision Statement & Commitment

Personal <u>Vision Statement</u> for STAT 2450:	Personal Commitment to STAT 2450:
By successfully completing STAT 2450 I will:	To successfully complete STAT 2450, I must:
•	•
	•
-	·
•	•

Course Materials

Required course materials

• Introductory Statistics: A Problem-Solving Approach (2nd ed.) Kokoska. ISBN 1464157618 or 19781464157615

This course requires electronic access to the accompanying web-based materials via *LaunchPad*. The ebook, quizzes, and homework assignments are all located within this resource.

It is recommended that you purchase both a text and <code>LaunchPad</code>. You may purchase the LaunchPad Activation code with the accompanying loose-leaf textbook from Barnes & Nobles http://ohiostate.bncollege.com/webapp/wcs/stores/servlet/BNCBHomePage?storeId=3
http://ohiostate.bncollege.com/webapp/wcs/stores/servlet/BNCBHomePage?storeId=3
https://ohiostate.bncollege.com/webapp/wcs/stores/servlet/BNCBHomePage?storeId=3
https://ohiostate.bncollege.com/webapp/wcs/stores/servlet/BNCBHomePage?storeId=3
https://ohiostate.bncollege.com/webapp/wcs/stores/servlet/BNCBHomePage?storeId=3
<a href="https://ohiostate.bncollege.com/webapp/wcs/stores/servlet/BNCBHomePage?storeId=3
<a href="https://ohiostate.bncollege.com/webapp/wcs/stores/servlet/BNCBHomePage?storeId=3
<a href="https://ohiostate.bncollege.com/webapp/wcs/stores/servlet/BNCBHomePage?storeId=3
<a href="https://ohiostate.bncollege.com/webapp/wcs/stores/servlet/BNCBHomePage?storeId=3
<a href="https://ohiostate.bncollege.com/webapp/wcs/stores/servlet/BNCBHomePage?storeId=3
<a href="https://ohiostate.bncollege.com/webapp/wcs/stores/servlet/BNCBHomePage?storeld=3
<a href="https://ohiostate.bncollege.com/webapp/wcs/stores/servlet/BNCBHomePage?storeld=3
<a href="https://ohiostate.bncollege.com/webapp/wcs/stores/servlet/BNCBHomePage?storeld=3
<a href="https://ohiostate.bncollege.com/webapp/wcs/stores/servlet/BNCBHomePage?storeld=3
<a href="https://ohiostate.bncollege.com/webapp/wcs/stores/servlet/BNCBHomePage?storeld=3
<a href="https://ohiostate.bncollege.com/webapp/wcs/st

Access the LaunchPad module within the STAT 2450 Carmen Page for Registration Instructions. The LaunchPad course management system that stores your homeworks and quizzes is ready for student registration. Follow these steps to get started.

1. Access: http://www.macmillanhighered.com/launchpad/introstats/6071793
Statistical Analysis I – Autumn 2017

- 2. Bookmark the page to make it easy to return to.
- 3. Enroll in our course using one of the following options:
- a. If you have an access code, select "I have a student access code," enter the code exactly as it appears on the card, and click Submit.
- b. If you don't have an access code, either purchase a text package that includes one OR click "I want to purchase access" and follow the instructions.
- c. If you need to start working but can't purchase right away, select "I want temporary access" and follow the instructions for a free 21 day trial.

If you have problems registering, purchasing, or logging in, please contact Customer Support. You can reach a representative 24 hours a day, 7 days a week via the <u>online form</u> or by chat. You can reach a representative by phone (800) 936-6899:

• Monday though Thursday 7:00 a.m. to 3:00 a.m., Friday 7:00 a.m. to 11:00 p.m.

• Saturday 11:30 a.m. to 8:00 p.m., Sunday 11:30 a.m. to 11:00 p.m.

In case you run into any difficulty, here is the essential information: **Your course URL:** http://www.macmillanhighered.com/launchpad/introstats/6071793

School: Ohio State University – Main – Columbus, OH **Course Title:** Statistical Analysis I – Autumn 2017

Course Number: STAT 2450 Course Section: 20533

Top Hat

We will use the *Top Hat* software to elicit student responses during lectures. Students will use their smart phones to text responses to questions posed. You may download the Top Hat app, or, use the direct link below. Your username must be your name.# (e.g., carter.5).

Top Hat course name: STAT 2450 AU 17

Direct Link: https://app.tophat.com/e/127655 6-digit course code: 127655

Required supplemental materials

JMP is the statistical software for this course. JMP is free for you per your LaunchPad purchase.

Click on www.jmp.com/macmillan.

Enter SE146414253X as the 12-digit authorization code.

Proceed to download and install JMP-Student Edition.

Highly recommended materials

Texas Instruments 83 Plus (or higher) Graphing Calculator.

Grading

Grades

Assignment or category	Percentage	Your Grade
Exam 1 Wednesday October 4 th , during lecture)	20%	
Exam 2 Wednesday November 15 th , during lecture)	20%	
Final Exam (Wednesday, December 13 th , 2 p.m 3:45 p.m.)	30%	
Homework Assignments	10%	
(7 total, 1.43% each, none are dropped)		
Quizzes	10%	
(7 total, 1.67% each, 1 is dropped)		
Attendance & Participation	100/	
(Combined For Lecture & Recitation)	10%	
Total	100	

The exact due dates are included in the calendar at the end of this document.

Grading scale

93-100: A

90-92.9: A-

87-89.9: B+

83-86.9: B

80-82.9: B-

77-79.9: C+

73-76.9: C

70 -72.9: C-

67 -69.9: D+

60 -66.9: D

Below 60: E

Additional Policies, Resources, & Information

Instructor feedback and response time

Grading and feedback

Midterm examinations will be available within 2 recitations.

E-mail

All course e-mail correspondence must be done through a valid OSU name.n account. Expect a 24-hour response time when communicating with TAs and lecturers. We are here to support you, but just not quite in a true "on-demand" sense.

Student participation and responsibility

We expect you to be actively engaged in the learning process. You are responsible for your learning. Schedule a minimum of 6 hours to prepare for this course. This equates to 9 hours weekly when the 3 hours for lecture and recitation attendance are included. Successful students perform a variety of positive academic behaviors like: reviewing the Carmen page, downloading notes, being proactive in contacting a TA or classmate as necessary, etc.. Please seek assistance in managing any non-academic responsibilities prior to any potential for underperformance.

Electronic devices

As a courtesy to fellow classmates, all cellular phones and other electronic devices must be silenced during lectures and recitations. Your engagement with the class will require an attentiveness for note-taking. If necessary, TAs and lecturers can request that students place these devices out of plain view if their usage is deemed irrelevant to instruction.

Academic integrity policy

A guiding principle is that, if you are considering doing something that might be unethical, then "Don't do it!!"

This mantra applies to both academic and non-academic settings.

It is the responsibility of the Committee on Academic Misconduct to investigate or establish procedures for the investigation of all reported cases of student academic misconduct. The term "academic misconduct" includes all forms of student academic misconduct wherever committed; illustrated by, but not limited to, cases of plagiarism and dishonest practices in connection with examinations. Instructors shall report all instances of alleged academic misconduct to the committee (Faculty Rule 3335-5-487). For additional information, see the Code of Student Conduct http://studentlife.osu.edu/csc/.

The Ohio State University's Code of Student Conduct (Section 3335-23-04) defines academic misconduct as: "Any activity that tends to compromise the academic integrity of the University, or subvert the educational process." Examples of academic misconduct include (but are not limited to) plagiarism, collusion (unauthorized collaboration), copying the work of another student, and possession of unauthorized materials during an examination. Ignorance of the University's Code of Student Conduct is never considered an "excuse" for academic misconduct, so I recommend that you review the Code of Student Conduct and, specifically, the sections dealing with academic misconduct. http://studentlife.osu.edu/csc/.

If I suspect that a student has committed academic misconduct in this course, I am obligated by University Rules to report my suspicions to the Committee on Academic Misconduct. If COAM determines that you have violated the University's Code of Student Conduct (i.e., committed academic misconduct), the sanctions for the misconduct could include a failing grade in this course and suspension or dismissal from the University. In short, if you are considering doing something that might be unethical, then resist and refrain from pursuing it. This will help you in college and well-beyond.

If you have any questions about the above policy or what constitutes academic misconduct in this course, please contact me. Other sources of information on academic misconduct (integrity) to which you can refer include:

- The Committee on Academic Misconduct web pages (COAM Home)
- Ten Suggestions for Preserving Academic Integrity (<u>Ten Suggestions</u>)
- Eight Cardinal Rules of Academic Integrity (<u>www.northwestern.edu/uacc/8cards.htm</u>

Grade Appeals

Your TAs are highly capable and follow established rubrics in evaluating your work. Only in the rarest of cases will an exam grade need to be appealed. In these situations:

- a) (within 1 week of receipt of your assessment) Inform your TA of the issue in writing
- b) Attach a statement of the issue at-hand to your work and submit to Dr. Baker.

Course Registration and Completion

Students will be able to work with department staff on any ADD and SECTION changes. Students can begin communicating with Jean Scott (Cockins Hall 408A), Monday, August 28th.

Date Event

Friday, August 25th The last day to add the course without instructor permission.

Friday, September 1st The last day to register and avoid additional fees.

Please note that students who are dropped for non-payment are not guaranteed re-enrollment.

Friday, September 15th The last day to drop without a 'W' appearing on your record.

Friday, October, 27th The last day to drop the course without petitioning.

FYI, Incompletes will only be awarded when 70% of the coursework has been completed.

Accommodations for accessibility

Students with disabilities that have been certified by the Office for Disability Services will be appropriately accommodated and should inform the instructor of their needs as soon as possible. The Office for Disability Services is located in **098 Baker Hall, 113 W. 12**th **Ave.**; telephone 292-3307, TDD 292-0901; email ods@osu.edu; http://www.ods.osu.edu/

Requesting accommodations

If you would like to request academic accommodations based on the impact of a disability qualified under the Americans with Disabilities Act and Section 504 of the Rehabilitation Act of 1973, please contact the Office for Disability Services at 614-292-3307 or ods@osu.edu to register for services and/or to coordinate any accommodations you might need in your courses at The Ohio State University.

Go to http://ods.osu.edu for more information.

OSU accessibility resources

Further information and links regarding accessibility at OSU can be found here: http://ada.osu.edu/resources/Links.htm

Other Student Resources

Students can find information about academic services available at OSU on this website: http://artsandsciences.osu.edu/current-students/university-resources, and about general student services on this website: http://ssc.osu.edu.

Autumn 2017 STAT 2450 Calendar

Lecture Schedule:

August 21 No Lecture - Autumn Semester Eve August 28 2.1–2.3 Types of Data, Bar Charts, Pie Charts, Stem-and-Leaf Plots September 4 No Lecture - Labor Day September 1 3.1,3.2 Measures of Central Tendency & Variability September 11 3.3 Empirical Rule, Measures of Position, Box Plots September 13 4.2 An Introduction to Probability 4.2 An Introduction to Probability 4.3 Counting Techniques September 25 5.4 The Binomial Distribution (with ref. to 5.1) October 2 Short Exam Review 6.3 Checking the Normality Assumption October 9 7.1 Statistics, Parameters&Sampling Distributions Cotober 16 8.1 Point Estimation October 16 8.1 Point Estimation October 23 8.3 Conf.Int. for a Pop. Mean when σ is Unknown (t) October 30 9.1, 9.2 Parts of a Hypothesis Tests & Errors November 6 9.4 P-Values 9.5 Hypothesis for a Pop. Mean when σ is Unknown(t) November 13 Short Exam Review 1.1 One-Way ANOVA November 14 13.2 Biyariate Categorical Data November 20 12.1 Simple Linear Regression November 20 12.2 Biyariate Categorical Data August 23 Chp. In Intro. to Statistics & Statistical Inference August 30	Lecture Schedule:	117 1 1
Chp.1 An Intro. to Statistics & Statistical Inference	Mondays	Wednesdays
August 28 2.1—2.3 Types of Data, Bar Charts, Pie Charts, Stem-and-Leaf Plots September 4 No Lecture – Labor Day September 11 3.3 Empirical Rule, Measures of Position, Box Plots September 18 4.2 An Introduction to Probability 4.3 Counting Techniques September 25 5.4 The Binomial Distribution (with ref. to 5.1) October 2 Short Exam Review 6.3 Checking the Normality Assumption October 9 7.1 Statistics, Parameters&Sampling Distributions 7.2 Sampling Distribution of the Sample Mean October 16 8.1 Point Estimation October 38 8.1 Point Estimation October 30 9.1, 9.2 Parts of a Hypothesis Tests & Errors November 6 9.5 Hypothesis for a Pop. Mean when σ is Unknown(t) November 13 Short Exam Review 11.1 One-Way ΛΝΟΥΛ November 13 Short Exam Review 12.3 Elivariate Categorical Data November 27 12.2 Hypothesis Tests and Correlation August 30 2.4 Frequency Distributions and Histograms 2.4 Experiments, Sample Spaces, Events September 20 4.4 Conditional Probability 4.1 Experiments, Sample Spaces, Events September 20 4.4 Conditional Probability 4.5 Independence September 27 HW 3 Due F 9/19 Qz.3 Due Su 9/17 4.1 Experiments, Sample Spaces, Events September 20 Cotober 4 Exam 1 (Chps. 1-4) October 14 Exam 1 (Chps. 1-4) October 11 7.3 Distribution (with ref. to 6.1) October 18 8.2 Conf. Int. for a Pop. Mean when σ is Known (z) October 25 HW 5 Due F 10/27 Qz.5 Due Su 10/29 8.4 Conflictned Interval for a Population Proportion November 3 HW 6 Due F 11/10 Qz.10 Due Su 11/12 9.5 Hypothesis for a Pop. Mean when σ is Unknown(t) 9.6 Hypothesis Tests for a Pop.	e	August 23
2.1—2.3 Types of Data, Bar Charts, Pie Charts, Stem-and-Leaf Plots September 4 No Lecture – Labor Day September 11 3.3 Empirical Rule, Measures of Position, Box Plots September 18 4.2 An Introduction to Probability 4.3 Counting Techniques September 25 5.4 The Binomial Distribution (with ref. to 5.1) October 2 Short Exam Review 6.3 Checking the Normality Assumption October 9 7.1 Statistics, Parameters& Sampling Distributions 7.2 Sampling Distribution of the Sample Mean October 16 8.1 Point Estimation October 23 8.3 Conf. Int. for a Pop. Mean when σ is Unknown (t) October 30 9.1, 9.2 Parts of a Hypothesis Tests & Errors November 1 9.4 P-Values 9.5 Hypothesis for a Pop. Mean when σ is Unknown(t) November 1 9.1 Short Exam Review 1.1 One-Way ANOVA November 20 12.1 Simple Linear Regression November 27 12.2 Hypothesis Tests and Correlation All Experiments of Central Tendency& Variability September 6 3.1,3.2 Measures of Central Tendency& Variability September 13 4.1 Experiments, Sample Spaces, Events September 10 4.1 Experiments, Sample Spaces, Events September 20 4.2 Conditional Probability 4.5 Independence September 27 HW 3 Due F 9/29 Qz.3 Due Su 10/1 6.2 The Normal Distribution (with ref. to 6.1) October 4 Exam 1 (Chps. 1 – 4) October 4 Exam 1 (Chps. 1 – 4) October 11 HW 4 and Qz. 4 Due M 10/16 7.3 Distribution of the Sample Proportion (Fall Break Eve) 7.3 Distribution of the Sample Proportion (Fall Break Eve) 8.2 Conf. Int. for a Pop. Mean when σ is Known (z) October 23 8.4 Confidence Interval for a Pop. Mean when σ is Known (z) November 1 9.3 Hypothesis Tests for a Pop. Mean when σ is Unknown(t) 9.6 Hypothesis Tests for a Pop. Mean when σ is Unknown(t) 9.6 Hypothesis Tests for a Pop. Mean when σ is Unknown(t) 9.6 Hypothesis Tests for a Pop. Mean when σ is Unknown(t) 9.6 Hypothesis Tests for a Pop. Mean when σ is Unknown(t) 9.6 Hypothesis Tests for a Pop. Mean when σ is Unknown(t) 9.6 Hypothesis Tests for a Pop. Mean when σ is Unknown(t) 9.6 Hypothesis Tests for a Pop. Mean when σ is Unknow	No Lecture - Autumn Semester Eve	Chp.1 An Intro. to Statistics & Statistical Inference
Stem-and-Leaf Plots	August 28	August 30 <u>HW 1 Due F 9/1 Qz.1 Due Su 9/3</u>
September 4 No Lecture – Labor DaySeptember 6 3.1,3.2 Measures of Central Tendency& VariabilitySeptember 11 3.3 Empirical Rule, Measures of Position, Box PlotsSeptember 13 4.1 Experiments, Sample Spaces, EventsSeptember 18 4.2 An Introduction to Probability 4.3 Counting TechniquesSeptember 20 4.4 Conditional Probability 4.5 IndependenceSeptember 25 5.4 The Binomial Distribution (with ref. to 5.1)September 27 4.2 The Normal Distribution (with ref. to 6.1)October 2 7.1 Statistics, Parameters&Sampling Distributions 7.2 Sampling Distribution of the Sample MeanOctober 4 Exam 1 (Chps. 1 – 4)October 16 8.1 Point EstimationOctober 18 8.2 Conf. Int. for a Pop. Mean when σ is Unknown (t)October 18 8.2 Conf. Int. for a Pop. Mean when σ is Known (z)October 30 9.1, 9.2 Parts of a Hypothesis Tests & ErrorsNovember 1 9.4 P-Values 9.5 Hypothesis for a Pop. Mean when σ is Unknown(t)November 1 9.5 Hypothesis Tests for a Pop. Mean when σ is Unknown(t)November 8 9.5 Hypothesis Fosts for a Pop. Mean when σ is Unknown(t)November 20 12.1 Simple Linear RegressionNovember 15 November 12 November 27 12.2 Hypothesis Tests and CorrelationNovember 29 HW 7 Due F 12/1 Qz.11 Due Su 12/3 13.1 Univariate Categorical DataDecember 4 13.2 Bivariate Categorical DataDecember 6 Short Exam Review 13.2 Bivariate Categorical Data	2.1–2.3 Types of Data, Bar Charts, Pie Charts,	2.4 Frequency Distributions and Histograms
September 11 September 13 All 2 Due F 9/15 Qz.2 Due Su 9/17		
September 13 3.3 Empirical Rule, Measures of Position, Box Plots September 18 4.2 An Introduction to Probability 4.3 Counting Techniques September 25 5.4 The Binomial Distribution (with ref. to 5.1) October 2 Short Exam Review 6.3 Checking the Normality Assumption October 9 7.1 Statistics, Parameters&Sampling Distributions 7.2 Sampling Distribution of the Sample Mean October 16 8.1 Point Estimation October 18 8.2 Conf. Int. for a Pop. Mean when σ is Unknown (t) October 2 8.3 Conf.Int.for a Pop. Mean when σ is Unknown (t) October 30 9.1, 9.2 Parts of a Hypothesis Tests & Errors November 6 9.4 P-Values 9.5 Hypothesis for a Pop. Mean when σ is Unknown (t) Unknown(t) 9.6 Hypothesis Tests for a Pop. Mean when σ is Unknown (t) November 13 Short Exam Review 11.1 One-Way ANOVA November 13 Short Exam Review 11.2 Simple Linear Regression November 27 12.2 Hypothesis Tests and Correlation September 13 4.1 Experiments, Sample Spaces, Events September 20 4.4 Conditional Probability 4.5 Independence September 20 4.4 Conditional Probability 4.5 Independence September 27 HW 3 Due F 9/29 Qz.3 Due Su 10/1 6.2 The Normal Distribution (with ref. to 6.1) October 4 Exam 1 (Chps. 1 – 4) Cotober 1 7.3 Distribution of the Sample Proportion (Fall Break Eve) October 18 8.2 Conf. Int. for a Pop. Mean when σ is Known (z) October 25 8.4 Confidence Interval for a Pop. Mean when σ is Known(z) November 1 9.5 Hypothesis Tests for a Pop. Mean when σ is Unknown(t) 9.6 Hypothesis Tests for a Pop. Mean when σ is Unknown(t) 9.6 Hypothesis Tests for a Pop. Mean when σ is Unknown(t) 9.6 Hypothesis Tests for a Pop. Mean when σ is Unknown(t) 9.6 Hypothesis Tests for a Pop. Mean when σ is Unknown(t) 9.6 Hypothesis Tests for a Pop. Mean when σ is Unknown(t) 9.6 Hypothesis Tests for a Pop. Mean when σ is Unknown(t) 9.6 Hypothesis Tests for a Pop. Mean when σ is Unknown(t) 9.6 Hypothesis Tests for a Pop. Mean when σ is Unknown(t) 9.6 Hypothesis Tests for a Pop. Mean when σ is Unknown(t) 9.6 Hypothesis Tests for a Pop. Mean when σ is U	*	l -
3.3 Empirical Rule, Measures of Position, Box Plots September 18 4.2 An Introduction to Probability 4.3 Counting Techniques 4.5 Independence September 25 5.4 The Binomial Distribution (with ref. to 5.1) October 2 Short Exam Review 6.3 Checking the Normality Assumption October 9 7.1 Statistics, Parameters&Sampling Distributions 7.2 Sampling Distribution of the Sample Mean October 16 8.1 Point Estimation October 2 8.2 Conf. Int. for a Pop. Mean when σ is Unknown (t) October 30 9.1, 9.2 Parts of a Hypothesis Tests & Errors November 6 9.4 P-Values 9.5 Hypothesis for a Pop. Mean when σ is Unknown(t) November 13 Short Exam Review 11.1 One-Way ANOVA November 12 12.1 Simple Linear Regression November 27 12.2 Hypothesis Tests and Correlation A.1 Experiments, Sample Spaces, Events September 20 4.4 Conditional Probability 4.4.5 Independence September 27 HW 3 Due F 9/29 Qz.3 Due Su 10/1 6.2 The Normal Distribution (with ref. to 6.1) October 4 Exam 1 (Chps. 1 - 4) October 11 HW 4 and Qz. 4 Due M 10/16 7.3 Distribution of the Sample Proportion (Fall Break Eve) October 18 8.2 Conf. Int. for a Pop. Mean when σ is Known (z) October 25 HW 5 Due F 10/27 Qz.5 Due Su 10/29 8.4 Confidence Interval for a Population Proportion November 1 9.3 Hypothesis Tests for a Pop. Mean when σ is Unknown(t) 9.6 Hypothesis Tests for a Pop. Mean when σ is Unknown(t) 9.6 Hypothesis Tests for a Pop. Mean when σ is Unknown(t) 9.6 Hypothesis Tests for a Pop. Mean when σ is Unknown(t) 9.6 Hypothesis Tests for a Pop. Mean when σ is Unknown(t) 9.6 Hypothesis Tests for a Pop. Mean when σ is Unknown(t) 9.6 Hypothesis Tests for a Pop. Mean when σ is Unknown(t) 9.6 Hypothesis Tests for a Pop. Mean when σ is Unknown(t) 9.6 Hypothesis Tests for a Pop. Mean when σ is Unknown(t) 9.6 Hypothesis Tests for a Pop. Mean when σ is Unknown(t) 9.6 Hypothesis Tests for a Pop. Mean when σ is Unknown(t) 9.6 Hypothesis Tests for a Pop. Mean when σ is Unknown(t) 9.6 Hypothesis Tests for a Pop. Mean when σ is Unknown(t) 9.6 Hypothesis Tests for a Pop. Mean w	No Lecture – Labor Day	3.1,3.2 Measures of Central Tendency& Variability
September 18 4. 2. An Introduction to Probability 4.3 Counting Techniques September 25 5.4 The Binomial Distribution (with ref. to 5.1) Cetober 2 Short Exam Review 6.3 Checking the Normality Assumption October 9 7.1 Statistics, Parameters&Sampling Distributions 7.2 Sampling Distribution of the Sample Mean October 16 8.1 Point Estimation October 23 8.3 Conf. Int. for a Pop. Mean when σ is Unknown (t) October 30 9.1, 9.2 Parts of a Hypothesis Tests & Errors November 6 9.4 P-Values 9.5 Hypothesis for a Pop. Mean when σ is Unknown(t) November 13 Short Exam Review 11.1 One-Way ANOVA November 20 12.1 Simple Linear Regression November 27 12.2 Hypothesis Tests and Correlation September 20 4.4 Conditional Probability 4.5 Independence September 27 HW 3 Due F 9/29 Qz.3 Due Su 10/1 6.2 The Normal Distribution (with ref. to 6.1) Cotober 4 Exam 1 (Chps. 1 – 4) October 1 7.3 Distribution of the Sample Proportion (Fall Break Eve) 7.3 Distribution of the Sample Proportion (Fall Break Eve) 7.3 Distribution of the Sample Proportion (Fall Break Eve) 7.4 Due M 10/16 7.3 Distribution of the Sample Proportion (Fall Break Eve) 7.5 Detember 18 8.2 Conf. Int. for a Pop. Mean when σ is Known (z) October 25 HW 5 Due F 10/27 Qz.5 Due Su 10/29 8.4 Confidence Interval for a Population Proportion November 1 9.3 Hypothesis Tests for a Pop. Mean when σ is Unknown(t) 9.5 Hypothesis for a Pop. Mean when σ is Unknown(t) 9.6 Hypothesis Tests for a Pop. Mean when σ is Unknown(t) 9.6 Hypothesis Tests for a Population Proportion November 15 Exam 2 (Chps. 5 – 9) November 22 No Lecture – Thanksgiving Break November 29 HW 7 Due F 12/1 Qz.11 Due Su 12/3 13.1 Univariate Categorical Data December 4 13.2 Bivariate Categorical Data	-	1
4.2 An Introduction to Probability 4.3 Counting Techniques September 25 5.4 The Binomial Distribution (with ref. to 5.1) October 2 Short Exam Review 6.3 Checking the Normality Assumption October 9 7.1 Statistics, Parameters&Sampling Distributions 7.2 Sampling Distribution of the Sample Mean October 18 8.1 Point Estimation October 23 8.3 Conf.Int.for a Pop.Mean when σ is Unknown (t) October 30 9.1, 9.2 Parts of a Hypothesis Tests & Errors November 6 9.4 P-Values 9.5 Hypothesis for a Pop. Mean when σ is Unknown(t) November 13 Short Exam Review 11.1 One-Way ANOVA November 15 Exam 2 (Chps. 5 – 9) November 20 12.1 Simple Linear Regression November 27 12.2 Hypothesis Tests and Correlation 4.4 Conditional Probability 4.5 Independence September 27 HW 3 Due F 9/29 Qz.3 Due Su 10/1 6.2 The Normal Distribution (with ref. to 6.1) October 4 Exam 1 (Chps. 1 – 4) October 11 HW 4 and Qz. 4 Due M 10/16 7.3 Distribution of the Sample Proportion (Fall Break Eve) October 18 8.2 Conf. Int. for a Pop. Mean when σ is Known (z) October 25 HW 5 Due F 10/27 Qz.5 Due Su 10/29 8.4 Confidence Interval for a Population Proportion November 1 9.3 Hypothesis Tests for a Pop. Mean when σ is Unknown(t) 9.5 Hypothesis for a Pop. Mean when σ is Unknown(t) 9.6 Hypothesis Tests for a Population Proportion November 20 12.1 Simple Linear Regression November 29 12.2 Hypothesis Tests and Correlation December 4 13.2 Bivariate Categorical Data	*	
4.5 Independence September 25 5.4 The Binomial Distribution (with ref. to 5.1) October 2 Short Exam Review 6.3 Checking the Normality Assumption October 9 7.1 Statistics, Parameters&Sampling Distributions 7.2 Sampling Distribution of the Sample Mean October 16 8.1 Point Estimation October 23 8.3 Conf.Int.for a Pop. Mean when σ is Unknown (t) October 30 9.1, 9.2 Parts of a Hypothesis Tests & Errors November 6 9.4 P-Values 9.5 Hypothesis for a Pop. Mean when σ is Unknown(t) November 13 Short Exam Review 11.1 One-Way ANOVA November 15 1.2 Hypothesis Tests and Correlation November 27 12.2 Hypothesis Tests and Correlation 4.5 Independence September 27 HW 3 Due F 9/29 Oz.3 Due Su 10/1 6.2 The Normal Distribution (with ref. to 6.1) Cotober 4 Exam 1 (Chps. 1 – 4) October 11 HW 4 and Oz. 4 Due M 10/16 7.3 Distribution of the Sample Proportion (Fall Break Eve) October 18 8.2 Conf. Int. for a Pop. Mean when σ is Known (z) October 25 HW 5 Due F 10/27 Oz.5 Due Su 10/29 8.4 Confidence Interval for a Pop. Mean when σ is Known(z) November 1 9.3 Hypothesis Tests for a Pop. Mean when σ is Unknown(t) 9.6 Hypothesis for a Pop. Mean when σ is Unknown(t) 9.6 Hypothesis Tests for a Population Proportion November 15 Exam 2 (Chps. 5 – 9) November 15 Exam 2 (Chps. 5 – 9) November 20 12.1 Simple Linear Regression November 27 12.2 Hypothesis Tests and Correlation December 4 13.2 Bivariate Categorical Data	<u> </u>	1 -
September 255.4 The Binomial Distribution (with ref. to 5.1)October 2 Short Exam Review 6.3 Checking the Normality AssumptionOctober 4 Exam 1 (Chps. 1 – 4)October 9 7.1 Statistics, Parameters&Sampling Distributions 7.2 Sampling Distribution of the Sample MeanOctober 11 7.3 Distribution of the Sample Proportion (Fall Break Eve)October 16 8.1 Point EstimationOctober 18 8.2 Conf. Int. for a Pop. Mean when σ is Known (z)October 23 8.3 Conf.Int.for a Pop.Mean when σ is Unknown (t)November 1 9.1, 9.2 Parts of a Hypothesis Tests & ErrorsNovember 1 9.4 P-Values 9.5 Hypothesis for a Pop. Mean when σ is Unknown(t)November 1 9.5 Hypothesis for a Pop. Mean when σ is Unknown(t)November 13 Short Exam Review 11.1 One-Way ANOVA November 20 12.1 Simple Linear RegressionNovember 15 Exam 2 (Chps. 5 – 9) November 22 November 22 November 27 12.2 Hypothesis Tests and CorrelationNovember 29 13.1 Univariate Categorical DataDecember 4 13.2 Bivariate Categorical DataDecember 6 13.2 Bivariate Categorical Data	•	
S.4 The Binomial Distribution (with ref. to 5.1) 6.2 The Normal Distribution (with ref. to 6.1)		1
October 2Short Exam ReviewOctober 4 Exam 1 (Chps. 1 – 4)0.3 Checking the Normality AssumptionCotober 9 7.1 Statistics, Parameters&Sampling Distributions 7.2 Sampling Distribution of the Sample MeanThe Year of the Sample Proportion (Fall Break Eve)0.4 Ctober 16 8.1 Point EstimationOctober 18 8.2 Conf. Int. for a Pop. Mean when σ is Known (z)0.5 Cotober 23 8.3 Conf.Int. for a Pop. Mean when σ is Unknown (t)October 25 8.4 Confidence Interval for a Population Proportion0.6 Cotober 30 9.1, 9.2 Parts of a Hypothesis Tests & ErrorsNovember 1 9.3 Hypothesis Tests for a Pop. Mean when σ is Known(z)November 6 9.4 P-Values 9.5 Hypothesis for a Pop. Mean when σ is Unknown(t)November 8 9.5 Hypothesis for a Pop. Mean when σ is Unknown(t) 9.6 Hypothesis Tests for a Pop. Mean when σ is Unknown(t) 9.6 Hypothesis Tests for a Pop. Mean when σ is Unknown(t) 9.6 Hypothesis Tests for a Population ProportionNovember 13 November 13 11.1 One-Way ANOVANovember 15 Exam 2 (Chps. 5 – 9)November 20 12.1 Simple Linear RegressionNovember 15 Exam 2 (Chps. 5 – 9)November 27 12.2 Hypothesis Tests and CorrelationNovember 29 HW 7 Due F 12/1 Qz.11 Due Su 12/3 13.1 Univariate Categorical DataDecember 4 13.2 Bivariate Categorical DataDecember 6 Short Exam Review 13.2 Bivariate Categorical Data		1
Cotober 9	5.4 The Binomial Distribution (with ref. to 5.1)	6.2 The Normal Distribution (with ref. to 6.1)
October 9October 11HW 4 and Qz .4 Due M 10/167.1 Statistics, Parameters&Sampling Distributions 7.2 Sampling Distribution of the Sample Mean7.3 Distribution of the Sample Proportion (Fall Break Eve)October 16 8.1 Point Estimation8.2 Conf. Int. for a Pop. Mean when σ is Known (z)October 23 8.3 Conf.Int.for a Pop.Mean when σ is Unknown (t)8.4 Confidence Interval for a Population ProportionOctober 30 9.1, 9.2 Parts of a Hypothesis Tests & ErrorsNovember 1 9.3 Hypothesis Tests for a Pop. Mean when σ is Known(z)November 6 9.4 P-Values 9.5 Hypothesis for a Pop. Mean when σ is Unknown(t)November 8 9.5 Hypothesis for a Pop. Mean when σ is Unknown(t)9.5 Hypothesis for a Pop. Mean when σ is Unknown(t)9.6 Hypothesis Tests for a Population ProportionNovember 13 Short Exam Review 11.1 One-Way ANOVANovember 15 Exam 2 (Chps. 5 - 9)November 20 12.1 Simple Linear RegressionNovember 25 November 22 No Lecture - Thanksgiving BreakNovember 27 12.2 Hypothesis Tests and CorrelationNovember 29 13.1 Univariate Categorical DataDecember 4 13.2 Bivariate Categorical DataDecember 6 13.2 Bivariate Categorical Data	October 2 Short Exam Review	October 4
October 9October 11HW 4 and Qz .4 Due M 10/167.1 Statistics, Parameters&Sampling Distributions 7.2 Sampling Distribution of the Sample Mean7.3 Distribution of the Sample Proportion (Fall Break Eve)October 16 8.1 Point Estimation8.2 Conf. Int. for a Pop. Mean when σ is Known (z)October 23 8.3 Conf.Int.for a Pop.Mean when σ is Unknown (t)8.4 Confidence Interval for a Population ProportionOctober 30 9.1, 9.2 Parts of a Hypothesis Tests & ErrorsNovember 1 9.3 Hypothesis Tests for a Pop. Mean when σ is Known(z)November 6 9.4 P-Values 9.5 Hypothesis for a Pop. Mean when σ is Unknown(t)November 8 9.5 Hypothesis for a Pop. Mean when σ is Unknown(t)9.5 Hypothesis for a Pop. Mean when σ is Unknown(t)9.6 Hypothesis Tests for a Population ProportionNovember 13 Short Exam Review 11.1 One-Way ANOVANovember 15 Exam 2 (Chps. 5 - 9)November 20 12.1 Simple Linear RegressionNovember 25 November 22 No Lecture - Thanksgiving BreakNovember 27 12.2 Hypothesis Tests and CorrelationNovember 29 HW 7 Due F 12/1 Qz.11 Due Su 12/3 13.1 Univariate Categorical DataDecember 4 13.2 Bivariate Categorical DataDecember 6 Short Exam Review 13.2 Bivariate Categorical Data	6.3 Checking the Normality Assumption	Exam 1 (Chps. 1 – 4)
7.2 Sampling Distribution of the Sample Mean October 16 8.1 Point Estimation October 23 8.3 Conf. Int. for a Pop. Mean when σ is Known (z) October 30 9.1, 9.2 Parts of a Hypothesis Tests & Errors November 6 9.4 P-Values 9.5 Hypothesis for a Pop. Mean when σ is Unknown(t) November 13 Short Exam Review 11.1 One-Way ANOVA November 20 12.1 Simple Linear Regression November 27 12.2 Hypothesis Tests and Correlation October 18 8.2 Conf. Int. for a Pop. Mean when σ is Known (z) October 25 HW 5 Due F 10/27 Qz.5 Due Su 10/29 8.4 Confidence Interval for a Population Proportion November 1 9.3 Hypothesis Tests for a Pop. Mean when σ is Unknown(z) November 8 HW 6 Due F 11/10 Qz.10 Due Su 11/12 9.5 Hypothesis for a Pop. Mean when σ is Unknown(t) 9.6 Hypothesis Tests for a Population Proportion November 15 Exam 2 (Chps. 5 – 9) November 20 12.1 Simple Linear Regression November 27 12.2 Hypothesis Tests and Correlation December 4 13.2 Bivariate Categorical Data		
7.2 Sampling Distribution of the Sample Mean October 16 8.1 Point Estimation 8.2 Conf. Int. for a Pop. Mean when σ is Known (z) October 23 8.3 Conf.Int.for a Pop.Mean when σ is Unknown (t) October 30 9.1, 9.2 Parts of a Hypothesis Tests & Errors November 1 9.3 Hypothesis Tests for a Pop. Mean when σ is Known(z) November 6 9.4 P-Values 9.5 Hypothesis for a Pop. Mean when σ is Unknown(t) November 13 Short Exam Review 11.1 One-Way ANOVA November 20 12.1 Simple Linear Regression November 27 12.2 Hypothesis Tests and Correlation November 4 13.2 Bivariate Categorical Data October 18 8.2 Conf. Int. for a Pop. Mean when σ is Known (z) HW 5 Due F 10/27 Qz.5 Due Su 10/29 8.4 Confidence Interval for a Population Proportion November 1 9.3 Hypothesis Tests for a Pop. Mean when σ is Unknown(t) 9.5 Hypothesis Tests for a Pop. Mean when σ is Unknown(t) 9.6 Hypothesis Tests for a Population Proportion November 15 Exam 2 (Chps. 5 – 9) November 20 13.1 Univariate Categorical Data	7.1 Statistics, Parameters&Sampling Distributions	7.3 Distribution of the Sample Proportion (Fall Break Eve)
8.1 Point Estimation 8.2 Conf. Int. for a Pop. Mean when σ is Known (z) October 23 8.3 Conf.Int.for a Pop.Mean when σ is Unknown (t) October 30 9.1, 9.2 Parts of a Hypothesis Tests & Errors November 1 9.3 Hypothesis Tests for a Pop. Mean when σ is Known(z) November 6 9.4 P-Values 9.5 Hypothesis for a Pop. Mean when σ is Unknown(t) November 13 Short Exam Review 11.1 One-Way ANOVA November 20 12.1 Simple Linear Regression November 27 12.2 Hypothesis Tests and Correlation 8.2 Conf. Int. for a Pop. Mean when σ is Known (z) November 1 HW 5 Due F 10/27 Qz.5 Due Su 10/29 8.4 Confidence Interval for a Population Proportion November 1 9.3 Hypothesis Tests for a Pop. Mean when σ is Known(z) November 8 HW 6 Due F 11/10 Qz.10 Due Su 11/12 9.5 Hypothesis for a Pop. Mean when σ is Unknown(t) 9.6 Hypothesis Tests for a Population Proportion November 15 Exam 2 (Chps. 5 – 9) November 22 12.1 Simple Linear Regression November 29 13.1 Univariate Categorical Data December 4 13.2 Bivariate Categorical Data		
October 238.3 Conf.Int.for a Pop.Mean when σ is Unknown (t)8.4 Confidence Interval for a Population ProportionOctober 309.1, 9.2 Parts of a Hypothesis Tests & Errors9.3 Hypothesis Tests for a Pop. Mean when σ is Known(z)November 6November 8HW 6 Due F 11/10 Qz.10 Due Su 11/129.4 P-Values9.5 Hypothesis for a Pop. Mean when σ is Unknown(t)9.5 Hypothesis for a Pop. Mean when σ is Unknown(t)9.6 Hypothesis Tests for a Population ProportionNovember 13 Short Exam ReviewNovember 1511.1 One-Way ANOVAExam 2 (Chps. 5 – 9)November 20November 2212.1 Simple Linear RegressionNovember 29HW 7 Due F 12/1 Qz.11 Due Su 12/3November 27November 29HW 7 Due F 12/1 Qz.11 Due Su 12/312.2 Hypothesis Tests and Correlation13.1 Univariate Categorical DataDecember 4December 6 Short Exam Review13.2 Bivariate Categorical Data		October 18
8.3 Conf.Int.for a Pop.Mean when σ is Unknown (t) October 30 9.1, 9.2 Parts of a Hypothesis Tests & Errors November 1 9.3 Hypothesis Tests for a Pop. Mean when σ is Known(z) November 6 9.4 P-Values 9.5 Hypothesis for a Pop. Mean when σ is Unknown(t) November 13 Short Exam Review 11.1 One-Way ANOVA November 20 12.1 Simple Linear Regression November 27 12.2 Hypothesis Tests and Correlation November 4 13.2 Bivariate Categorical Data November 6 9.3 Hypothesis Tests for a Pop. Mean when σ is Unknown(t) 9.5 Hypothesis for a Pop. Mean when σ is Unknown(t) 9.6 Hypothesis Tests for a Population Proportion November 15 Exam 2 (Chps. 5 – 9) November 22 November 24 13.1 Univariate Categorical Data	8.1 Point Estimation	•
October 30November 19.1, 9.2 Parts of a Hypothesis Tests & Errors9.3 Hypothesis Tests for a Pop. Mean when σ is Known(z)November 6November 8HW 6 Due F 11/10 Qz.10 Due Su 11/129.4 P-Values9.5 Hypothesis for a Pop. Mean when σ is9.5 Hypothesis for a Pop. Mean when σ isUnknown(t)Unknown(t)9.6 Hypothesis Tests for a Population ProportionNovember 13 Short Exam ReviewNovember 1511.1 One-Way ANOVAExam 2 (Chps. 5 – 9)November 20November 2212.1 Simple Linear RegressionNo Lecture – Thanksgiving BreakNovember 27November 29HW 7 Due F 12/1 Qz.11 Due Su 12/313.1 Univariate Categorical Data13.1 Univariate Categorical DataDecember 4December 6 Short Exam Review13.2 Bivariate Categorical Data	October 23	October 25 <u>HW 5 Due F 10/27 Qz.5 Due Su 10/29</u>
 9.1, 9.2 Parts of a Hypothesis Tests & Errors November 6 9.4 P-Values 9.5 Hypothesis for a Pop. Mean when σ is Unknown(t) 9.6 Hypothesis Tests for a Population Proportion November 13 Short Exam Review 11.1 One-Way ANOVA November 20 12.1 Simple Linear Regression November 27 12.2 Hypothesis Tests and Correlation November 4 13.2 Bivariate Categorical Data 9.3 Hypothesis Tests for a Pop. Mean when σ is Unknown(t) 9.6 Hypothesis Tests for a Population Proportion November 15 Exam 2 (Chps. 5 – 9) November 22 November 24 13.1 Univariate Categorical Data December 6 Short Exam Review 13.2 Bivariate Categorical Data 	8.3 Conf.Int.for a Pop.Mean when σ is Unknown (t)	8.4 Confidence Interval for a Population Proportion
November 6 9.4 P-Values 9.5 Hypothesis for a Pop. Mean when σ is Unknown(t)November 8 9.5 Hypothesis for a Pop. Mean when σ is Unknown(t)HW 6 Due F 11/10 Qz.10 Due Su 11/12 9.5 Hypothesis for a Pop. Mean when σ is Unknown(t) 9.6 Hypothesis Tests for a Population ProportionNovember 13 Short Exam Review 11.1 One-Way ANOVANovember 15 Exam 2 (Chps. 5 – 9)November 20 12.1 Simple Linear RegressionNovember 22 November 22November 27 12.2 Hypothesis Tests and CorrelationNovember 29 13.1 Univariate Categorical DataDecember 4 13.2 Bivariate Categorical DataDecember 6 13.2 Bivariate Categorical Data	October 30	November 1
9.4 P-Values 9.5 Hypothesis for a Pop. Mean when σ is Unknown(t) November 13 Short Exam Review 11.1 One-Way ANOVA November 20 12.1 Simple Linear Regression November 27 12.2 Hypothesis Tests and Correlation Pocember 4 13.2 Bivariate Categorical Data 9.5 Hypothesis for a Pop. Mean when σ is Unknown(t) 9.6 Hypothesis Tests for a Population Proportion November 15 Exam 2 (Chps. 5 – 9) November 22 November 22 13.1 Univariate Categorical Data December 4 13.2 Bivariate Categorical Data	9.1, 9.2 Parts of a Hypothesis Tests & Errors	9.3 Hypothesis Tests for a Pop. Mean when σ is Known(z)
9.5 Hypothesis for a Pop. Mean when σ is Unknown(t) November 13 Short Exam Review 11.1 One-Way ANOVA November 20 12.1 Simple Linear Regression November 27 12.2 Hypothesis Tests and Correlation November 29 12.1 Vovember 29 13.1 Univariate Categorical Data December 4 13.2 Bivariate Categorical Data Unknown(t) 9.6 Hypothesis Tests for a Population Proportion November 15 Exam 2 (Chps. 5 – 9) November 22 November 29 13.1 Univariate Categorical Data	November 6	November 8 <u>HW 6 Due F 11/10 Qz.10 Due Su 11/12</u>
Unknown(t) November 13 Short Exam Review 11.1 One-Way ANOVA November 20 12.1 Simple Linear Regression November 27 12.2 Hypothesis Tests and Correlation November 29 12.1 Univariate Categorical Data Pecember 4 13.2 Bivariate Categorical Data 9.6 Hypothesis Tests for a Population Proportion November 15 Exam 2 (Chps. 5 – 9) November 22 November 22 13.1 Univariate Categorical Data Pecember 6 Short Exam Review 13.2 Bivariate Categorical Data	9.4 P-Values	9.5 Hypothesis for a Pop. Mean when σ is
November 13 Short Exam Review 11.1 One-Way ANOVA Exam 2 (Chps. 5 – 9) November 20 12.1 Simple Linear Regression November 27 12.2 Hypothesis Tests and Correlation November 29 12.1 Univariate Categorical Data November 4 13.2 Bivariate Categorical Data November 6 Short Exam Review 13.2 Bivariate Categorical Data	9.5 Hypothesis for a Pop. Mean when σ is	Unknown(t)
11.1 One-Way ANOVA November 20 12.1 Simple Linear Regression November 27 12.2 Hypothesis Tests and Correlation November 4 13.2 Bivariate Categorical Data Exam 2 (Chps. 5 – 9) November 22 November 29 HW 7 Due F 12/1 Qz.11 Due Su 12/3 13.1 Univariate Categorical Data December 4 13.2 Bivariate Categorical Data		
November 20 12.1 Simple Linear Regression No Lecture – Thanksgiving Break November 27 12.2 Hypothesis Tests and Correlation November 29 13.1 Univariate Categorical Data December 4 13.2 Bivariate Categorical Data November 29 13.2 Bivariate Categorical Data		
12.1 Simple Linear Regression No Lecture – Thanksgiving Break November 27 12.2 Hypothesis Tests and Correlation November 29 13.1 Univariate Categorical Data December 4 13.2 Bivariate Categorical Data No Lecture – Thanksgiving Break November 29 13.1 Univariate Categorical Data December 6 13.2 Bivariate Categorical Data	•	
November 27 12.2 Hypothesis Tests and Correlation November 29 13.1 Univariate Categorical Data December 4 13.2 Bivariate Categorical Data November 29 13.1 Univariate Categorical Data December 6 Short Exam Review 13.2 Bivariate Categorical Data		
12.2 Hypothesis Tests and Correlation 13.1 Univariate Categorical Data December 4 13.2 Bivariate Categorical Data 13.2 Bivariate Categorical Data		
December 4 13.2 Bivariate Categorical Data December 6 Short Exam Review 13.2 Bivariate Categorical Data		
13.2 Bivariate Categorical Data 13.2 Bivariate Categorical Data	12.2 Hypothesis Tests and Correlation	13.1 Univariate Categorical Data
13.2 Bivariate Categorical Data 13.2 Bivariate Categorical Data	December 4	December 6 Short Exam Review
		(Final Exam Wednesday, December 13th 2:00p – 3:45p)