

Econ 380: Economic Statistics Lab

Department of Economics, California State University, Long Beach

Nick Jenkins

Fall 2016

Office: SPA 355

Location: SPA 207

Office Hours: By Appointment

Tuesdays 1:00 - 2:45pm

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Course Description

Use of descriptive and inferential statistical concepts for the analysis of economic data. Topics include measures of central tendency and dispersion, probability theory, discrete and continuous probability distributions, hypothesis testing, regression and correlation analysis.

This is the lab portion of the class where we will be focusing on applied statistical methods.

Required Materials

[BSTAT \(2nd Edition\) by Gerald Keller](#)

It is very important that you bring your textbook to every class. Your assignments will be based on the questions at the end of each chapter.

Course Requirements

Assignments

10-12 Assignments (10 points each) given in class and due *3 days after class*.

Lab Final

The lab final will be worth 30 points.

Academic Honesty and Student Conduct

- Academic Honesty

Should you decide to cheat on any portion of an assignment or exam, you will receive a letter

grade of “F” for the entire course and will be subject to additional academic actions. Please refer to the University Catalog for definitions of “cheating”, “plagiarism”, and academic actions pertaining thereto.

- Class Discussion

The University is a place to interact with different ideas and explore their support arguments and justification. Academic discussion is only beneficial if we remember to be respectful of opposing ideas and that personal attacks are never acceptable. Remember, the goal is to engage with individual’s ideas, not the individuals themselves.

- Tardiness

Students who come late (or must leave early) are asked to enter/depart the classroom in the least disruptive manner possible. This includes sitting near the door if you anticipate leaving early or taking a seat as near to the door as possible if you arrive late.

- Cell Phones

Please refrain from using your cell phones during class because it is distracting to other students. Also, please put your cell phones on vibrate/silent during class.

- Laptops and Tablets Using a laptop or tablet for note taking or referencing course material is acceptable, however please do not use them for tasks unrelated to the course. Be mindful that this can easily distract other students. If can cannot follow these instructions, your privileges will be revoked.

Course Outline

Tentative Schedule for Economic Statistics Lab Section

TUESDAY	
<div>Aug 23rd</div> <p>Chapter 1: Course Overview; What is Statistics? Chapter 2: Graphical and Tabular Descriptive Techniques No Lab</p>	1
<div>30th</div> <p>Chapter 3: Numerical Descriptive Techniques Chapter 5: Probability Theory Lab Assignment 1</p>	2

TUESDAY	
<div>Sep 6th</div> <p>Chapter 6: Random Variables and Discrete Probability Distributions Lab Assignment 2</p>	3
<div>13th</div> <p>Chapter 7: Continuous Probability Distributions Lab Assignment 3</p>	4
<div>20th</div> <p>Chapter 8: Sampling Distributions Lab Assignment 4</p>	5
<div>27th</div> <p>Chapter 9: Introduction to Estimation Lab Assignment 5</p>	6
<div>Oct 4th</div> <p>Exam I No Lab</p>	7
<div>11th</div> <p>Chapter 10: Introduction to Hypothesis Testing Lab Assignment 6</p>	8
<div>18th</div> <p>Chapter 11: Inference About a Population Lab Assignment 7</p>	9
<div>25th</div> <p>Chapter 12: Inference About Comparing Two Population, Part I Lab Assignment 8</p>	10
<div>Nov 1st</div> <p>Chapter 13: Inference About Comparing Two Population, Part II Lab Assignment 9</p>	11
<div>8th</div> <p>Chapter 14: Analysis of Variance Lab Assignment 10</p>	12

TUESDAY	
15th Exam II No Lab	13
22nd Thanksgiving Break	
29th Chapter 16: Simple Linear Regression Chapter 17: Multiple Regression Lab Assignment 11	14
<div>Dec 6th</div> Lab Final	15