

**ECON 3640-02 -Probability and Statistical Inference for Economists
Summer 2012; Tuesday/Thursday 9am to 12pm (noon)**

Instructor: Luciano Pesci

3 Credit Hours

Classroom: BUC 305

Email: Luciano Pesci (lucianopesci@gmail.com)

Office Hours: After class, or by appointment

Course Description: This course teaches students the scientific approach to decision making using statistical inference methods. You will learn how to appropriately collect, summarize and interpret basic statistics.

Grade Breakout:

94-100	A	73-76	C
90-93	A-	70-72	C-
87-89	B+	67-69	D+
83-86	B	63-66	D
80-82	B-	60-62	D-
77-79	C+	<60	F

Participation (5%):

Speak up in class and earn credit.

Presentation (10%):

This presentation is given in class during the final week of the semester. You will present basic statistics from a real world data set collected by UtahCRG and analyzed as part of your assignments.

Quizzes (15%):

Quizzes will be given at the beginning of class randomly. If you are late you will not be able to take them. They will always test you on the reading that was due for that day and you get one throwaway quiz (I recommend you use the lowest scoring, but that's not mandatory).

Assignments (30%):

There will be 3 assignments during the semester that will ask you to use statistics in various ways: collection and interpretation of a public source, statistical analysis of a data set, and graphical presentation.

Final Exam (40%):

There will be one exam at the end of the semester that will cover all the material you have learned.

Textbooks & Articles

Required:

Keller. *BSTAT*, Cengage. (ISBN: 978-0538479820).

Americans with Disabilities Act:

The University of Utah seeks to provide equal access to its programs, services and activities for people with disabilities. If you will need accommodations in this class, reasonable prior notice needs to be given to the instructor and to the Center for Disability Services, <http://disability.utah.edu/>, 160 Olpin Union Building, 581-5020 (V/TDD) to make arrangements for accommodations. All written information in this course can be made available in alternative format with prior notification to the Center for Disability Services.

Course Schedule Summer 2012

Week	Date	Topic	Reading
1			
	6/21	Syllabus, Statistics and their Practical Uses	<i>BSTAT Ch. 1</i>
2	6/26	Descriptive Techniques	<i>BSTAT Ch. 2 & 3</i>
	6/28	Data Collection & Sampling	<i>BSTAT Ch. 4</i> First Assignment Given
3	7/3	Probability	<i>BSTAT Ch. 5-7</i>
	7/5	Sampling Distributions	<i>BSTAT Ch. 8</i>
4	7/10	Estimation and Hypothesis Testing	<i>BSTAT Ch. 9-10</i>
	7/12	Inference about a Population	<i>BSTAT Ch. 11</i> Second Assignment Given
5	7/17	Inference With Two Populations Part 1	<i>BSTAT Ch. 12</i>
	7/19	Inference With Two Populations Part 2	<i>BSTAT Ch. 13</i>
6	7/24	ANOVA	<i>BSTAT Ch. 14</i>
	7/26	SLR and Correlation	<i>BSTAT Ch. 16</i> Third Assignment Given
7	7/31	Review & Presentation	Final Presentations in Class
	8/2	Final Exam	Final Exam given in class, 3pm-5pm

Note: This is a tentative schedule and is subject to change. If changes are necessary a revised course schedule will be provided to you