

Economics 220: Business Statistics 1

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We are drowning in information and starving for knowledge. -R. D. Roger

Policies.....	2
Proposed Schedule	3
Desire2Learn	4

Classroom	FA 104 (section 1)	
Class Times	January 9, 2015 – April 27, 2015 MW 2:50 pm - 4:05 pm	
Exam Dates	Exam 1	Wednesday, February 11
	Exam 2	Wednesday, March 11
	Exam 3	Wednesday, April 22
Instructor	Richard Schwinn	
Contact Info.	r-schwinn@neiu.edu & (773) 442-5699	
Notable Dates	January 19	Martin Luther King, Jr.'s Birthday Holiday
	February 12	Lincoln's Birthday Holiday
	March 16-22	Spring Recess
Office	BBH 207	
Office Hours	MW	12:30 pm – 2:30 pm
Text	<ul style="list-style-type: none"> David Lane's <i>Online Statistics: An Interactive Multimedia Course of Study</i> is required yet free. The book is available in HTML, PDF, ePub, and iOS formats via: http://onlinestatbook.com/2/index.html You will need to use Microsoft Excel in order to finish some of the assignments. Excel is available in computer labs around campus. Bring an exponent capable calculator to every class. 	
Webpage	http://neiuport.neiu.edu (follow the desire2learn link)	

POLICIES

Academic Integrity	This class will follow the NEIU policy on academic integrity. A score of zero will be given for the entire assignment or exam in which academic dishonesty occurs. Any in-class behavior that directly disrupts the learning of another student is prohibited.					
Assessment	Assignments 25% A [100-90%]	+ Attendance + Exams + 10% B (90-80%]	+ Project + 45% C (80-70%]	-> Grade + 20%	= 100% D (70-60%]	F (60-00]
Assignments	(Max: 25%) Assignments are due via the NEIU Desire2Learn website. See the attached handout for more information.					
Attendance	(Max: 10%) Attendance and participation are taken into account. Each student begins with the full 10%. If a student is not present when I call their name in class, I deduct 1% from their participation grade. Each student is allowed up to three class exemptions.					
Exams	(Max: 45%) There will be 3 non-cumulative exams worth 15% each for a total of 45% of your final grade.					
Extra Credit	Extra credit in the form of “bonus points”, for participation in discussions and solutions to in-class problems and team challenges, will be offered generously throughout every lecture. Each bonus point is 0.1% of your final grade. Bonus points earned via regular participation may increase one’s grade by as much as a full letter grade.					
Objectives	You will learn to <ul style="list-style-type: none">• describe data graphically• explain, beginning with counting rules, the basis for the binomial distribution• acquire cursory knowledge of several other probability distributions• state and explain the Law of Large Numbers (averages tend to the true mean)• state and explain the Central Limit Theorem (large sums of RVs have a normal distribution)• use z-scores and t-tests to test statistical hypotheses					
Project	(Max: 20%) Each student will gather data and perform a pre-defined set of statistical tests on the data. See handout for further information.					

PROPOSED SCHEDULE

<i>Days</i>	<i>Dates</i>	<i>Topics and Events</i>
Monday	1/5/15	1. Introduction
Wednesday	1/7/15	(What Are Statistics through Variables)
Monday	1/12/15	1. Introduction
Wednesday	1/14/15	(Percentiles through Statistical Literacy)
Monday	1/19/15	2. Graphing Distributions
Wednesday	1/21/15	
Monday	1/26/15	3. Summarizing Distributions
Wednesday	1/28/15	
Monday	2/2/15	4. Describing Bivariate Data
Wednesday	2/4/15	
Monday	2/9/15	Exam 1
Wednesday	2/11/15	
Monday	2/16/15	5. Probability
Wednesday	2/18/15	
Monday	2/23/15	6. Research Design
Wednesday	2/25/15	
Monday	3/2/15	7. Normal Distributions
Wednesday	3/4/15	
Monday	3/9/15	8. Advanced Graphs
Wednesday	3/11/15	Exam 2
Monday	3/16/15	Spring Recess
Wednesday	3/18/15	
Monday	3/23/15	9. Sampling Distributions
Wednesday	3/25/15	
Monday	3/30/15	10. Estimation
Wednesday	4/1/15	
Monday	4/6/15	11. Logic of Hypothesis Testing
Wednesday	4/8/15	
Monday	4/13/15	12. Testing Means
Wednesday	4/15/15	
Monday	4/20/15	Exam 3
Wednesday	4/22/15	
Monday	4/27/15	Submit Final Project

DESIRE2LEARN

Access This course requires regular access to the Desire2Learn (D2L) course website (<https://neiu.desire2learn.com/>). For a quick introduction to using D2L, please visit: http://homepages.neiu.edu/~ctl/D2L_students.html.

Assignments Your assignments are found by

- signing into D2L at <https://neiu.desire2learn.com/>;
- then selecting our course from the top menu bar;
- and finally selecting *Assessments* -> *Quizzes* from the second menu bar, as shown in the screen capture below:



Files Files for the course are found in the *Course News* section of the *Course Home* page as seen in the capture below:



Files (cont.) If you do not see any files, you may have dismissed the news item with the course files. Click on *Course News* to restore news items as shown:

The screenshot shows the 'News' section of a D2L course. At the top, there are buttons for 'New Item' and 'More Actions'. Below these is a search bar with the text 'Search For:' and a 'Show Search Options' link. A 'Delete' button with a trash icon is visible. The main content area shows a news item titled 'Great Resource for Optional Assignment' which has been dismissed. A context menu is open over the item, showing options: 'Edit', 'Restore' (highlighted), and 'Delete'.

Submitting Submit your papers using the D2L course Dropbox by selecting *Assessments* -> *Dropbox* as shown below:

The screenshot shows the 'Dropbox Folders' section of a D2L course. At the top, there is a navigation bar with links: 'Course Home', 'Assessments', 'Communication', 'Resources', 'Edit Course', 'ePortfolio', and 'Admin Tools'. The 'Assessments' dropdown menu is open, showing options: 'Dropbox', 'Grades', 'Quizzes', 'Rubrics', 'Self Assessments', 'Surveys', and 'Attendance'. Below the navigation bar, there are buttons for 'New Folder' and 'More Actions'. A 'Bulk Edit' button is also visible. The main content area is a table with the following columns: 'Folder', 'Total Files', 'Unread Files', 'Flagged Files', and 'Due Date'. The table lists three folders: 'Report One: Powerband Bracelet Co. DRAFT', 'Report One: Powerband Bracelet Co. FINAL', and 'Report Two: Gender Paradox DRAFT'.

Folder	Total Files	Unread Files	Flagged Files	Due Date
Report One: Powerband Bracelet Co. DRAFT	7	0	0	Oct 2, 2014 1:00 PM
Report One: Powerband Bracelet Co. FINAL	10	0	0	Oct 2, 2014 1:00 PM
Report Two: Gender Paradox DRAFT	3	0	0	Nov 2, 2014 1:00 PM

I, _____, have read and understand the format of this course and the policies described in the syllabus. I acknowledge that failure to comply with the terms of the syllabus may affect my success in this class.

Course: _____

Print Name: _____

Signature: _____

Date: _____