

Stat Meth Business (33:136:385)

Tom Bruning

January 10, 2018

Instructor

Thomas Bruning
email: tom.bruning@gmail.com
cell: 201.204.0585

Office Hours: by appointment

Resources

Textbook:

Title: *Basic Business Statistics: Concepts and Applications*

Authors: Berenson, Levine, Krebbel

Publisher: Pearson

ISBN-10 0132168383

Computer Resources

Title: Microsoft Excel, or equivalent

Additional Resources: Data Analysis plugin

Prerequisites

The following prerequisites are **essential** for successful learning and understanding of this course:

- * An introductory course in probability and statistics such as 960:285
- * Basic college algebra
- * Working knowledge of Excel spreadsheets

Course Overview

This course will review the basic statistical methods essential for doing business analysis, in particular when outcomes are uncertain and future events are subject to chance variation. We will study basics of data analysis using computer software.

Course Web site information and discussion

Blackboard

All class discussions, assignments, and materials will be posted to Blackboard
Please review this site 2-3 times per week for further information.

Homeworks, Exams, and Grading Policy

Homework (10% of final grade)

I will post approximately 10 homework assignments during the semester. You are responsible for completing the work, on time. Statistics is not a *spectator sport*, it is a *participatory sport*. I have it on good authority, (10+ years of teaching statistics experience) if you do not do the work you **will** not understand and succeed in this class. If you miss two (2) homeworks you will receive an **F** for this class. This is true regardless of your grades on the other homework assignment and your grades on the midterm and final.

Midterm (40% of final grade)

The midterm is a full period test that is scheduled during the 7th week of class.

Final (50% of final grade)

Schedule TBD

Topic Schedule

Table 1: Tentative Topics and Dates

Week.of	Topic	Chapter.s.	Additional.Info
1/14/2018	Intro & Data Analysis	Chapter 7	Review Chapters 4,5,6
1/21/2018	Sampling Distributions	Chapter 7	
1/28/2018	Estimation	Chapter 8	
2/4/2018	Confidence Intervals	Chapter 9	
2/11/2018	Hypothesis Testing single sample	Chapter 9	
2/18/2018	CI and Hypothesis two samples	Chapter 10	
2/25/2018	Midterm		
3/4/2018	Simple Linear Regression	Chapter 13	
3/11/2018	Spring Break		
3/18/2018	Experiment Design	Chapter 11	
3/25/2018	ANOVA	Chapter 11	
4/1/2018	Multiple Regression	Chapter 14	
4/8/2018	ANOVA	Chapter 14	
4/15/2018	Categorical Data Analysis	Chapter 12	
4/22/2018	Time Series	Chapter 16	
	Final		