

Syllabus Statistics 101

Fall 2017

Text: Stine and Foster. Statistics for Business: Decision Making and Analysis 3rd Edition
Computer software: JMP-IN – Statistical Discovery Software, Thomson.

<u>Week</u>	<u>Topics</u>	<u>Reading Material</u>
August 30	Introduction and Beginning of Descriptive Statistics	Chapter 1 and 2
September 6	Describing One Variable (Outliers)	Chapter 3 and 4
September 11	Describing Numerical Variable (Continued) The Normal Distribution	Chapter 4 and 12
September 18	Relationships Between Two Discrete Variables Simpsons Paradox	Chapter 5
September 25	Relationships Between Two Continuous Variables	Chapter 6 and 19
October 2	Continue with Regression Assumptions and Non-linearity	Chapter 19 and 20
October 9	Introduction to Probability	Chapter 7 and 8
October 16	Probability and Discrete Random Variables	Chapter 8 and 9
October 23	Continue Discrete Random Variables Discrete Families Chapter 12, 13	Chapter 9 and 11
October 30	Continuous Random Variables Covariance Correlation (Portfolio) Chapter 14	Not in book Chapter 10
November 6	Finish Bivariate- Application to Finance Review for Midterm II Confidence Intervals	
November 13	Introduction to Sampling The Central Limit Theorem	Chapter 13 and 14
November 20	Application of the Central Limit Theorem to Quality Control and Confidence Intervals	Chapter 14 and 15
November 27	Introduction to Hypothesis Testing	Chapter 16

December 4 Application of Hypothesis Testing to One Sample Problems and a Discussion of Power Chapter 16 and Notes

December 11 Review

<u>Examinations:</u>	First Midterm, Tuesday, October 3 rd	6:00-8:00PM
	Second Midterm, Wednesday, November 8 th	6:00-8:00PM
	Final Examination, Monday December 18 th	6:00-8:00PM
<u>Homeworks:</u>	Homeworks will be handed out in class.	