Course Syllabus
University of Colorado Boulder
Introduction to Statistics with Computer Application
Economics 3 1 -030
Spring 201

Professor: Nicholas E. Flores

week or so we will spend time in class to work on R exercises using the R Studio Interface. There will be a brief introduction in class on Thursday January 1 , but otherwise you are responsible for learning the language syntax required for the R program exercises. R has good self-contained documentation in the basic R installation. A good additional free resource is the book Modern R with the tidyverse by Bruno Rodgrigues:

https://b-

single proportion from a population, and inference about differences in two proportions. The fifth and final part of the course explores correlation, simple regression analysis, and inference about simple regression.

Chapter 1 Picturing Distributions with Graphs
Chapter 2 Describing Distributions with Numbers
Introduction to R
Chapter 12 Introducing Probability
Chapter 13 General Rules of Probability
Supplemental Probability Problems
Chapter 14 Binomial Distributions
Chapter 3 The Normal Distributions

Mathematical Expectation & Other Distributions
Chapter 15 Sampling Distributions
Properties of Estimators, Central Limit Theorem, Law of Large Numbers
Chapter 1 Confidence Intervals: The Basics
Chapter 1 Tests of Signific

January 15 – First Day of Class
February 12 – Midterm 1
March 21 – Midterm 2
March 25-2 – Spring Break
May 2 – Last Day of Class
May , 4:30 – p.m. – Final Exam in Econ 11

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