

**STAT 3610/3611 Probability & Stats II/Lab
Spring 2010**

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Class Hours: MWF – 10:00AM - 10:50AM Shelby 1126

Prerequisites: STAT 3600

Materials: “Text: *Probability and Statistics for Engineering and the Sciences*”, by J. L. Devore, 7th edition (ISBN- 13: 978-0-495-38217-1); **must secure the text before 01/11/2010.**

STUDENT SOLUTION MANUAL (Thomson, ISBN-13: 978-0-495-38219-5); this should be purchased by everyone.

Objectives:

Weeks	Course Objectives	Suggested Exercises
1	Confidence Intervals, CIs, on one Parameter (Chapter 7)	Odd-numbered ones
2	CIs (Chapter 7 Continued)	Odd-numbered
3	Tests of Hypotheses on one Parameter (Chapter 8)	Odd-numbered
4	Tests of Hypotheses (Chapter 8 Continued)	Odd-numbered
5	Tests of Hypotheses (Chapter 8 Continued) Test 1 (100 Points)	
6	Statistical Inference on Two Parameters (Chapter 9)	Odd-numbered
7	Chapter 9 Continued	Odd-numbered
8	Chapter 9 Continued Test 2 (100 Points)	Odd-numbered
9	Single-Factor ANOVA (Chapter 10)	Odd-numbered
10	Spring-Break	Take-Home Bonus (15 Points)
11	Chapter 10 Continued Test 3 (100 Points)	Odd-numbered
12	Simple Linear Regression (Chapter 12)	Odd-numbered
13	Multiple Linear Regression (Chapter 13)	Odd-numbered
14	Multiple Linear Regression (Continued)	Odd- numbered
15	Goodness-of-Fit (Chapter 14)	Odd- numbered
16	Contingency Tables (Chapter 14)	Odd- numbered

Final Exam: (Wednesday May 5, 2010, 8:00AM-10:30AM: 150 Points)

Grading: Assignments: Roughly 15%

Three Hourly tests: Roughly 57%

Final Exam: Per force 28%

Grading Scale: A = 89.50-100; B = 79.50-89.49; C = 69.50-79.49; D = 59.50-69.49

Other Essential Information:

1. You are required to turn off your cell before entering class and are not allowed to text messages in class. This kind of behavior disrupts learning anything in class. Further, you will **NOT** be allowed to bring your cell to class on exam days.
2. It will be very useful to buy a TXN calculator TI-30Xa (TI-30Xa Solar) calculator. It will be appreciated if you bring it to class to help in calculations.
3. All students are strongly required to study my downloaded notes from my website very carefully and intensely, but please refer to the text when my notes refer to it. Further, it will be a “Dog-Gone” good idea to be participative in class discussions. Finally, you must secure the 7th edition of Devore, because it is too different from his 6th edition. **Again, the ISBN for the Student Solutions Manual is -13: 978-0-495-38219-5 by Carlton (Thomson: Brook/Cole).**
4. All students are strongly encouraged to have at least the student-version of Minitab. My preference, if you can afford it, is to buy the professional version (Release 15 at <http://www.minitab.com>). For all your home-works, it is best to check your answers via Minitab before submitting. You can rent Minitab for 6 months at the rate \$29.99 from:
<http://www.onthehub.com/minitab/>
5. Please use the instructor’s email judiciously for emergencies and not for instruction. However, if you have a question that needs answering in class, please feel free to email me ASAP before class.

- 1. Lab 1 will be given on 01/11/2010, Lab 2 on 01/25/2010, ..., lab 6 on 02/22/2010.**
- 2. Each of the above 6 labs is worth 10 points. The Mid-Term will be given on 03/01/2010, and will be worth 120 points. The Mid-Term will be Open-Book, Open-All-Notes, Open all Files of mine and yours, open all web-search, open-Google-Scholar, etc. However, students will not be allowed to receive any help from Lab Assistants (or myself) for the 2-hour duration of the Mid-term, but only may ask questions if a problem content is vague to them.**
- 3. Lab 7 will be given on 03/08/2010, ..., and lab 12 will be given on 04/19/2010.**
- 4. Each of the above 6 labs in item 3 above is also worth 10 points. The Final-Exam will be given on 04/26/2010, and will be worth 120 points. The Final-Exam will also be Open-Book, Open-All-Notes, Open all Files of mine and yours, Open-Library, and Google-Scholar. Just like in the case of the Mid-term, no assistance will be provided to students regarding the solution of Final Exam problems.**
- 5. The grade scale will follow the same as that of STAT3610 spreadsheet. Except that each average will be computed as the (Student's Grand Total)/3.60.**