Instructor: B. D. McCullough, bdmccullough@drexel.edu
Office: GHall 742, office hours: Wed 12-1pm and by appointment

If you send me an email, put “STAT 601” in the subject line. Also: if you send me an email from a non-Drexel account and my reply to that email bounces, that is what you get for using a non-Drexel account. When you sign up for mystatlab, use your Drexel email account.

Mystatlab wants numerical answers to a precise number of digits, correctly rounded. If you think Mystatlab had the wrong tolerance for a problem, send me an email that shows the math whereby you got your answer.

Sometimes mystatlab is wrong for reasons besides tolerance; if this happens please send an email directly to me with the subject line “STAT601: mystatlab is wrong”. If you find an error an error in mystatlab, the textbook, or the solutions manual, document it (show what you think is the right answer, why you think it is the right answer, and why you think the book is wrong) and email it to me. If you are correct, you will get an unspecified amount of extra credit (which can matter a lot if I am deciding between a B and B+, say). Be sure first to check the list of errors on BB/Learn under “First Day of Class”.

When taking a test or doing homework, you can skip forward and back without saving; the computer will remember the answers you have chosen. When taking a test, do not hit the submit button until you are all done. After any test, you will have the opportunity to correct rounding errors, just like the homework. Sometimes, if Mystatlab is not responding properly, clear the cache (clear history, cookies etc.). Also, you should have at least two browsers on your computer, so that if Mystatlab stops working with Internet Explorer, you can switch to Firefox.

N.B. With the exception of the first day, I expect you to read the book before you come to class. I lecture with the presumption that you have read the book; if you haven’t read it, the lecture will be confusing. If you want a professor who will regurgitate the text and spoon-feed it to you, drop this course immediately!

Few, *Show Me The Numbers, 2e*

Software: Blackboard, Mystatlab, JMP

Week 1, 21 Sep BL Chapters 1-3 (excluding 3.4), §5.3 and §6.2; Few Chapters 1 and 2.
Week 2, 28 Sep: BL Chapters (4.1-4.3) and 7, Few Chapter 3.
due before class: homework for BL Chapters 5 and 6.

Week 3, 5 Oct: BL Chapter 8; Few Chapter 4.
due before class: homework for BL Chapter 7.
in class: optional (five minute) unscored quiz, administered via laptop

Week 4, 12 Oct: BL Chapter 9; Few Chapter 5.
due before class: homework for BL Chapter 8.

Week 5, 19 Oct: EXAM, administered by computer, bring your laptop.
due before class: homework for BL Chapter 9.

Week 6, 26 Oct ONLINE: BL Chapter 10 and §11.1; Few Chapter 6.
due before class: nothing. Videos will be posted on BB Learn; there will be MyStatLab
homework for Chapters 10 and 11.

Week 7, 2 Nov: BL Chapter 13; Few Chapter Seven.
due before class: Chapters 10 and 11.

Week 8, 9 Nov: BL Chapter 14.1-14.4; Few Chapter 8.
due before class: homework for BL Chapter 10 and 11.

Week 9, 16 Nov: BL Chapter 14.5-14.7; Few Ch. 9 and 10.
due before class: homework for BL Chapter 14 (part 1).

23 Nov THANKSGIVING VACATION

Week 10, 30 Nov: presentation and review for final.
due before class: homework for BL Chapter 14 (part 2).

Final Exam Week, Week of 7 Dec: time and date TBA

Grading: eight homework assignments (each will be rescaled to be worth 20 points), a
midterm worth 300 points, a final worth 500 points, and a presentation worth 40 points.
Accordingly: 930 = A; 900 = A-; 870= B+; 830 = B; 800 = B-; 770 = C+; 730 = C; 700
= C-; 630 = D; 600 = D-

Presentation: For your presentation, you must find a bad graph (or table) and fix it.
Your presentation should: (1) show the bad graph/table; (2) state what is wrong with it;
and (3) show the fixed graph/table. Your presentation should take 3-5 slides; if you were
to give it orally, it should take 2-4 minutes. The best presentations will be awarded an
extra 25 (really bad or hard to fix) or 50 (really bad and hard to fix) points. Examples of
good presentations from previous classes will be available on WebCT.

Administrativia

Course Description: This course covers the basic principles and implementation techniques of descriptive statistics, sampling, statistical inference, analysis of variance, and regression analysis. An understanding of how these tools can support managerial decision making is emphasized.

Credits: Three

Course Purpose within a Program of Study: This course provides the student with statistical tools to serve two purposes. First, the tools can be used at work to improve business performance. Second, the tools are used in higher level courses.

Statement of Expected Learning: The student should be able to solve any problem from sections of the book that are covered, and to be able to recognize and fix a bad graph or table.

Submission Information: When homework is assigned, the due date will be noted.

Instructor Feedback: Not Applicable, as the homework is computer graded instantaneously.

Academic Integrity, Plagiarism, and Cheating Policy:

Students with Disabilities Statement:
http://drexel.edu/oed/disabilityResources/faculty/SyllabusStatement/

Course Add/Drop/Withdrawal Policies:
http://drexel.edu/drexelcentral/courses/adjustments/Adding%20and%20Dropping%20Courses/
http://drexel.edu/drexelcentral/courses/adjustments/course-withdraw/