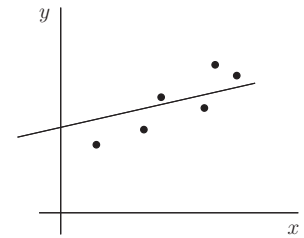


Spring 2020 MWF 9:10 - 11 (Section AA/CI)

Instructor: Jon Freedman  
 Office: 7325  
 Phone: 738 - 7032  
 e-mail: freedmanj@smccd.edu  
 Website: www.smccd.edu/accounts/freedmanj/



M-F 1-2 and most times by arrangement – ask.

Prerequisite: Math 811 with C or better, or Multiple Measures placement.

Texts: Skyline College. *Pre-Statistics, Math 190*.  
 First Ed. Skyline College, 2019. (Bubble Graph on cover.)  
*Concepts of Statistics*. Carnegie–Mellon University. <http://oli.cmu.edu/>  
 This is an online text. To access it register with OLI (the *Open Learning Initiative*), then sign up for the class Math 190 Spring 2020 using the course key: **math190s20**.

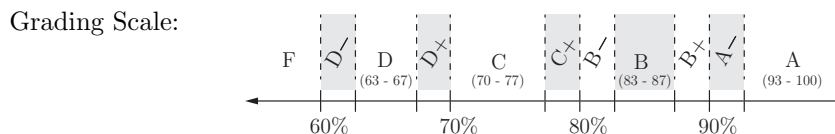
Materials: A TI-84 (or TI-83+) graphing calculator is required for this course. Other graphing calculators may perform the same functions and may be acceptable but see me about this. You may NOT use your cell phone or a computer in this class.  
 You will also need a user license for StatCrunch at: <https://www.statcrunch.com/> .  
 Papers for the course should be typed using a word processor. Graphics should be inserted into the document and the final draft submitted electronically or hardcopy to me. If you don't have a word processor please use school computers (in TLC or the lab in bldg. 2). You can also use GoogleDocs or download Open Office for home use.

Important Dates:

Last day to Add this course:	Monday, January 27
Last day to Drop this course without a W:	Sunday, February 2
Last day to Withdraw from class:	Thursday, April 23
Holidays:	1/20; 2/14 – 17, 3/5, 3/27, 3/28 – 4/4
Last regular class:	Friday, May 15
Final Exam (comprehensive):	Monday, May 18 8:10 – 10:40 am

Assignments: Assignments will be given in the form of class handouts, book work, online assignments through OLI, and essays.

Grading: Assignments (homework, classwork, quizzes) (45%)  
 3 – 5 Tests (40%)  
 Final (15%)  
 I will drop your worst test score (Not the final). There will be no makeup tests. If you are late for a test you will have only the remaining time to complete the test (so don't be late). If you know you are going to miss a test date, contact me at least three days in advance and we can arrange an alternate test to be taken in advance of the class test date.  
 I will drop your worst quiz. There will be no makeup quizzes.  
 I will excuse two homework scores (or drop your lowest scores if you submit all of them). I will excuse up to four late assignments provided you (1) meet with me to go over them and (2) submit them before any test covering their content.



Attendance: You will not be graded directly on your attendance. However, your involvement in class and your participation in the process of discovering concepts will be fundamental in your understanding of statistics. Tests and written work will be based largely on material discussed and practiced during class. Please note that students with more than 6 absences have almost 0% likelihood of passing.

Withdrawal Policy: If you decide to drop this class you must do so formally either by using WebSMART or by filing the correct form with the registrar's office. If you miss more than 6 classes and still desire to remain in the class you must meet with me and convince me that you can learn the material necessary to pass the class.

Course Contents: We will study the collection, organization and analysis of data. We will develop mathematical models of the data and use them to make inferences. We will begin the process of understanding probability theory.

### Big Ideas (SLOs):

#### 1. THINK STATISTICALLY

Students will be able to collect, organize, analyze, and interpret data using various methods including statistical software and graphing calculators.

- Forming a question.
- Collecting relevant data.
- Organize the data.
- Analyze the data.
- Interpret and communicate the results.

#### 2. MODELLING ALGEBRAICALLY

Students will create, interpret, and manipulate relevant algebraic models in one and two variables.

- Recognize two variables (as dependent & independent).
- Write an algebraic model for two variable function.
- Make inferences using evaluation of algebraic models.

#### 3. LEARN EFFECTIVELY

Students will demonstrate effective learning strategies for success in college.

Tutoring: The Learning Center (TLC) is an outstanding resource for semi-free tutoring in all of your classes. You should visit TLC at the slightest sign of confusion or just as a place to sit and work in a supportive environment. The Learning Center staff is well trained and dedicated solely to your success, so don't waste this resource!

A tutorial CD is available through the publishers of this book. It provides assistance through worked and guided examples. Also, a DVD for calculator assistance is available ask me. If you have any interest in Mathematics, Engineering, or Science you may wish to join MESA and make use of their tutoring and counseling services.

Assistance: In coordination with the DRC office, reasonable accommodations will be provided for qualified students with disabilities. If you have an accommodation letter, please meet with me during my office hours to discuss your needs. For more information, please contact DRC (in building 5) at 738-4280.

Academic Dishonesty: I strongly encourage you to form study groups and to work together to understand the material covered in this class. Explaining a concept is a valuable way for you and the listener to develop your insight and your skills. Simply copying work, whether it is from an assignment or a test, is of no value to you academically. Consequently, if I find that you are submitting any part of another's work as your own, you will not receive credit for this course. The same holds true for any other kind of academic dishonesty. There is no situation that could arise in this class that would justify risking expulsion. If you are having any difficulty, PLEASE see me about it so that we can work together in resolving the issue.