

Stat 1: Statistical Thinking

Swarthmore College, Fall 2016

Instructor: Phil Everson, Professor of Statistics.

Office: Science Center 141 **email:** peverso1@swarthmore.edu

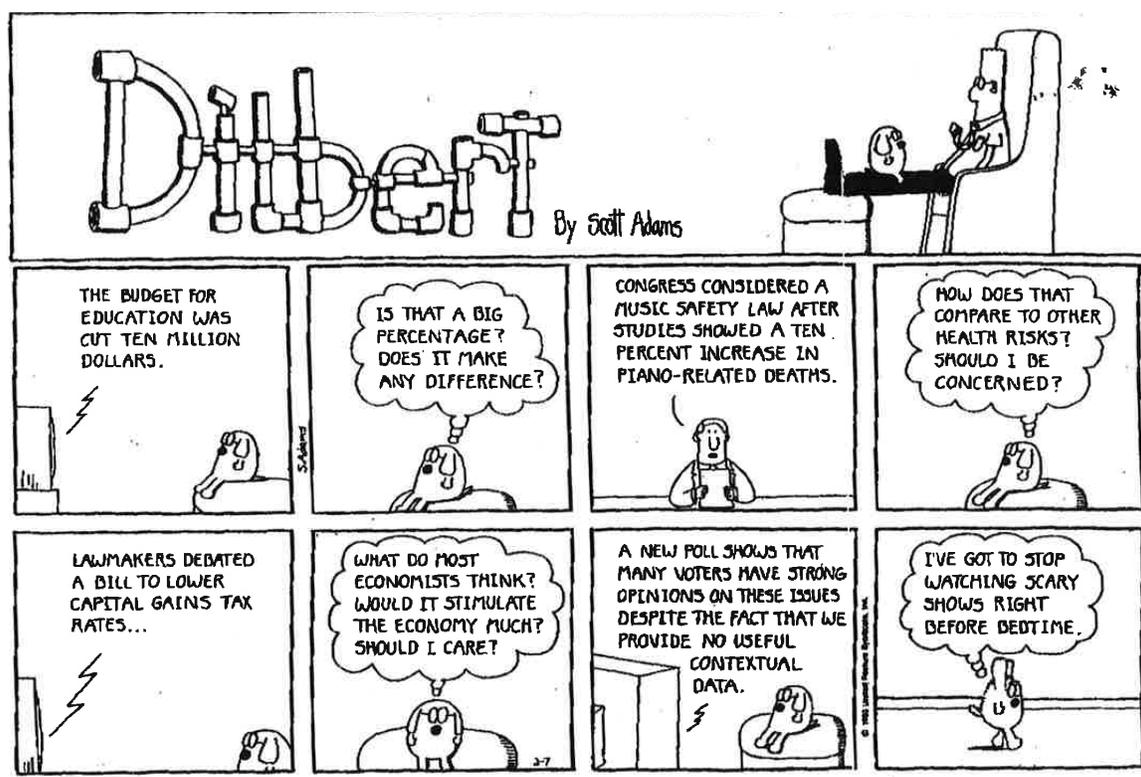
Meetings: Tuesday & Thursday 9:55–11:10, Science Center 181. Please come on time.

Office Hours: Monday 2:00-4:00 or **by appointment.**

Stat Clinic: Sunday, Tuesday and Thursday, 7-10 in SC 145

Text: *Statistics: Concepts and Controversies* (8th edition) by Moore & Notz.

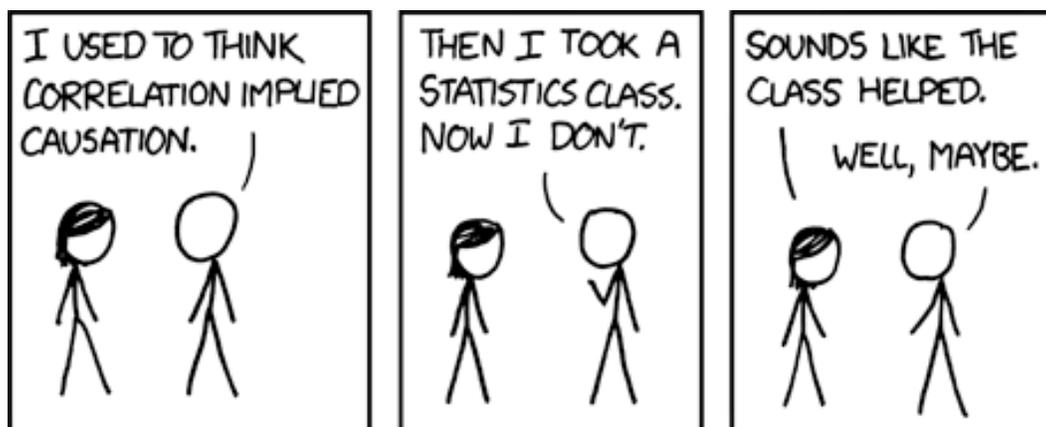
Course description: The goal of Stat 1 is to teach students to be effective and responsible consumers of statistics. Many students do not expect to be producing their own statistical analyses during or after college, but it is still important to understand statistical arguments and reports in order to avoid being misled. Often news reports will misrepresent the results of statistical studies (sometimes to make them seem more newsworthy) and it is left to you to decide how to use the information from the report.



Midterm: Tuesday, October 25 in class (bring one page of notes and a calculator).

Final: TBA (the final period is December 9–17).

Schedule: We will follow the organization of the text book, covering roughly two chapters (7–18 pages each) each week. The midterm will cover Chapters 1-13 and 16 from the *Producing Data* and *Organizing Data* sections. The final will emphasize the remaining chapters, but will also draw on the earlier material.



Homework: There will be weekly homework assignments due on Tuesdays. These should be typed unless you have very neat handwriting. **Write “Stat 1”, the assignment number and your name at the top of each assignment.** You may work together with other students, but your write-up must be your own. Be sure to show enough work to convince the grader you understand the problem - a correct response without an adequate explanation may not yield full credit. Try to add at least one sentence of explanation with each part of each problem. You may turn in assignments in class, or to the slot by my office door by 4pm on the due date.

Homework Grading: Each assignment will be worth 20 points. The grader will score each assignment out of 10 points, and you will receive an additional 10 points for turning in a reasonably complete assignment. You may turn in an assignment up to a week late to receive the 10 points for turning it in. I will look over the late assignments, but they will not be scored. **I will not accept homework sent electronically.**

Assignment 1 (due Tuesday, Sept. 6 by 4pm):
1.4, 1.6, 1.12, 1.14, 1.16, 2.4, 2.8, 2.10, 2.15, 2.18

Grading: Final grades will be based on your total score, with the homework worth 40% and the midterm and final worth 30% each.

Accommodations: If you believe that you need accommodations for a disability, please contact Leslie Hempling in the Office of Student Disability Services (Parrish 113) or email lhempli1@swarthmore.edu to arrange an appointment to discuss your needs. As appropriate, she will issue students with documented disabilities a formal Accommodations Letter. Since accommodations require early planning and are not retroactive, please contact her as soon as possible. For details about the accommodations process, visit the Student Disability Service Website at <http://www.swarthmore.edu/academic-advising-support/welcome-to-student-disability-service>. You are also welcome to contact me privately to discuss your academic needs. However, all disability-related accommodations must be arranged through the Office of Student Disability Services.