

Scientific Computing (Psych 492)

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Office Hours: TBA

I am always available through e-mail

I recognize that many students cannot come during office hours, therefore I am also available by appointment. If you want to see me and cannot make my office hours, please set up an appointment with me in advance.

Texts: <http://www.cyclismo.org/tutorial/R/index.html>
<https://cran.r-project.org/doc/manuals/r-release/R-intro.html>
Google

Requirements:

- Reading:** You are expected to know and understand all material in the assigned readings (even if it is not covered in class). Thus, you are required to read all the material assigned. Furthermore, you are to read the assigned chapters *before* the lecture on each chapter. Do not expect me to cover all of the readings in class: There will not be enough time. However, any questions you have about the reading can be raised in class or at my office hours.
- Attendance:** Attendance and participation is required. If you plan to miss a class (heart bypass surgery, etc.), you must let me know *before* the class. I will subtract 1% from your final grade for each missed class over 3 (this is *not* part of the participation grade). I will not allow any late arrivals or early departures. Furthermore, there will be assignments due for class. Completion of these assignments will go towards your class participation grade.
- Research Reports:** You will have to write all papers in APA style. The papers must be typed and turned in on time. Each day late will result in a 5% deduction from that reports grade.
- UNCW Honor Code:** Do not cheat or plagiarize. It will result in an F in the class: Not an F on the test, or an F on the report, but an F in the class.
- Extra Credit:** There is none.

Problems: Call me or come see me during office hours. I will do all I can to help you. I will try as hard to teach you as you try to learn. I will not, however, be sympathetic to excuses for not trying.

Deriving Your Grade:

Homework:	75%
Final Project:	25%

- Week 1: Introduction
- Week 2: Science & Models
- Week 3: Computers & Programming
- Week 4: Introduction to R
- Week 5: Batching, Variables
- Week 6: Variables, Arrays, Data Frames
- Week 7: I/O
- Week 8: Descriptive Stats
- Week 9: Loops / Conditionals
- Week 10: Graphics
- Week 11: Inferential Statistics
- Week 12: Functions
- Week 13: Class Work
- Week 14: Class Work
- Week 15: Wrap up

Note: I may revise this syllabus at my whim