

STAT 546 Linear Models Fall, 2023

Time: T, Th, 12:30 – 1:45

Place: SMLC-356

Professor: Ronald Christensen

Office: SMLC 304 (but I will rarely be there).

E-mail: fletcher@stat.unm.edu (**NOT** ronald@stat.unm.edu)

Web: www.stat.unm.edu/~fletcher (Click on course title under Teaching.)

Phone: They removed it in a pseudo budget cut.

Office Hours: T, Th, 11:00-12:00 and by appointment. (Just email me. If we need to, we can set up a private Zoom meeting.)

Prerequisites: Stat 540, 545, 561, 553, linear algebra. (We do LOTS of linear algebra.)

Text: Christensen, *Plane Answers to Complex Questions: The Theory of Linear Models*, 5th Edition, Springer. Before buying it, try to get a .pdf from the library or from <https://link.springer.com/book/10.1007/978-3-030-32097-3>. If I owned the copyright I would just give you a .pdf file of the book, but alas I signed it away to Springer 35 years ago.

Material: We will cover Appendices A, B, C, D, Chapters 1, 2, 3, 4, 6, and 9 of the text.

Homework: Homework will be assigned but not graded. You are encouraged to form groups to work together on homework (*not quizzes*) to solidify your knowledge of the material.

Grading: There will a series of quizzes. **You are required to keep legible copies of all work**, except in-class examinations.