

STAT4020/5020: Regression Analysis Fall 2009

Instructor: Dr. Ryan
BA 349
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Lecture: TR 2:30pm-3:45pm
T BAA 2001
R BAA 1010

Office Hours: T 4:00pm-4:50pm
W 10:00am-10:50am
R 1:00pm-1:50pm
And/or by appointment are encouraged

Text: Kutner, M.H., Nachtsheim, C.J., and Neter, J. *Applied Linear Regression Models*, Fourth Edition.

Prerequisite: MATH4410 or MATH5410 or instructor consent, i.e., basic statistics (Appendix A), matrix algebra (Chapter 5-5.7), and some calculus.

Topics: Linear regression (Chapters 1-10 in detail) and selected topics (a subset of Chapters 11-14 as time permits).

Software: A statistical software package will be needed to complete homework assignments. Minitab will be the primary software introduced during Tuesday lectures in a CBA computer lab. Some SAS (Statistical Analysis System) examples may also be provided. Please obtain a CBA computer account during the first week of class if necessary; see

<http://www.cba.bgsu.edu/its/labs.html>

Other computer labs on campus have Minitab and SAS. If you prefer working from home, you can install a copy of Minitab or SAS on your personal computer (by buying it, renting it, or downloading a free trial version).

Blackboard: Homework assignments and other important information will be available via Blackboard. I will update this online information regularly.

T Drive: The shared T drive is available only in CBA computer labs. Files containing any data set from the text are on the included CD. A copy of this CD is in the folder

T:\class\asor\kutner4\

Example Minitab projects and SAS programs discussed in class will be in the folder

T:\class\asor\Ryan\Regression\

Grading: Three exams (30% each) and a group project (10%). Substandard homework will result in a drop of one or more letter grades. Late homework will not be accepted.