

Biostatistical Methods II for Public Health and Medical Sciences

Further Topics: Regression, Experimental Design, Logistic Regression, and Survival Analysis

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Lab Instructor: Erik Erhardt
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Class: TR 9:30 - 11:30 HSC Library classroom, room 226
The course will not be split completely between lecture and lab as in previous semesters. Still, you will meet with Schrader on Tue and Erhardt on Thur. Both sessions are in 226.

Office Hours: TR 12:30 – 1:30, W 1:30-2:30 Schrader (in HUM 435)
MWF 10:00 – 10:50 Erhardt (in HUM 328)

Texts:

Required: *A Short Introduction to Stata 8 for Biostatistics*, by Michael Hills and Bianca L. De Stavola: StataCorp LP, 2003. ISBN: 0-9542603-1-7.

Optional (used in Stat 538): *Statistics for the Life Sciences Third Edition*, by Samuels and Witmer: Prentice Hall, 2003.

Course Notes:

A copy of the course notes is available in PDF format (readable by Adobe Acrobat) at http://www.stat.unm.edu/~schrader/Biostat_II.html.

Erik's website for the course:

http://www.stat.unm.edu/~erike/courses/stat539/stat539_2006Spring.html

Grade:

Final project	20%
Homework	70%
<u>Class participation</u>	<u>10%</u>
	100%

Prerequisites:

Stat 538 or permission of the instructor.

Topics covered:

1. Regression, transformations, multiple regression, and model selection in regression.
2. Analysis of variance, two-factor designs, repeated measures designs, and analysis of covariance.
3. Discrete data analysis and logistic regression.
4. Introduction to survival analysis.
5. Sampling and sample size determination (if time permits).

Students with Disabilities

Qualified students with disabilities needing appropriate academic adjustments should contact the professor as soon as possible to ensure your needs are met in a timely manner. Students must inform the professor of the disability early in the class so appropriate accommodations can be met. Handouts are available in alternative accessible formats upon request.

If you are an MPH student, please use the School of Medicine Office of Student Learning to apply for the appropriate accommodations. For further information, please contact Cheri Koinis, Manager, Student Learning Support, ph: (505)272-5042, ckoinis@salud.unm.edu

If however, you have already sought accommodation from main campus student services, please present the appropriate documentation to your professor. For further information from main campus, please contact: Theresa Ramos, Compliance Representative, Office of Equal Opportunity, ph: (505)277-5251, tramos@unm.edu