

Spring 2011

Statistics 4625/5625
Introduction to Biostatistics

Text: *Statistical Methods for the Analysis of Biomedical Data*, 2nd Ed. By Robert Woolson and William Clarke, John Wiley & Sons, Inc. 2002.

References: 1. *Biostatistics: A Methodology for the Health Sciences*, 2nd Ed, by Gerald Van Belle, Lloyd D. Fisher, Patrick J. Heagerty, and Thomas Lumley, John Wiley & Sons, Inc. 2004.
2. *The Little SAS Book: A Primer*, 2 Ed, by Delwiche, L. D. and Slaughter, S. J., SAS Publishing.
3. *SAS System for Regression*, 3rd Ed., by Freund, R. J., and Littell, R. C., SAS Publishing.
4. *Statistical Methods in Diagnostic Medicine*, by Xiao-Hua Zhou, Nancy A. Obuchowski, and Donna K. McClish, John Wiley & Sons, Inc. 2002.

Time and Place: M-W-F 11:00-12:00, CLAS 344

Instructor: Ofer Harel

Office: CLAS 320

Phone: 486-6989

Office hours: Monday and Wednesday 9:00-10:00 or by appointment

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Teaching Assistant: Jennifer Boyko

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Prerequisite: Stat 3025 and Stat 3375

Grading: You are responsible for the material covered in the text, lectures, and homework. The final grade will be based on class participation (might composed of quizzes, and other types of participation), project, homework, two in class examinations and final exam. There will be no makeup exams. Each homework assignment is due in class on the assigned date. All three exams are closed book and closed notes. However, you are allowed to bring in one page (8.5"x11") of your own notes. Students are expected to bring a calculator during classes and exams. Although the exams are the same for students in both classes (Stat 4625 and Stat 5625), the grades are assigned based on different curves, one for undergraduates and the other one for graduates.

Homework:	20%
Class participation:	5%
Project:	15%
Exam 1:	15% Week of Feb 7-11
Exam 2:	15% Week of Mar 21-25
Final Exam:	30% (According to the schedule)