

Fall 2015

Statistics 4625/5625 – BIST 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: Monday 11:15-1:10, Wednesday 11:15-12:05, AUST 344

Instructor: Ofer Harel

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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), projects, 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 all classes (Stat 4625, Stat 5625 and Bist 5625), the grades are assigned based on different curves.

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| Homework: | 10% |
| Class participation: | 10% |
| Project 1: | 10% |
| Project 2: | 10% |
| Exam 1: | 15% TBD |
| Exam 2: | 15% TBD |
| Final Exam: | 30% (According to the schedule) |