

Spring 2016

STAT/BIST 6494-04
Longitudinal Data Analysis

Text: Hedeker & Gibbons (2006) Longitudinal Data Analysis.

Notes: <http://merlot.stat.uconn.edu/~oharel/Classes/Stat6494Spring16/Stat6494Spring16.html>

Time and Place: Monday 11:15-1:10, Wednesday 11:15-12:05, AUST 445

Instructor: Ofer Harel

Office: AUST 320

Phone: 486-6989

Office hours: Mondays and Thursdays 9:00-10:00 or by appointment

Email: ofer.harel@uconn.edu

Webpage: www.stat.uconn.edu/~oharel

Teaching Assistant: Chun Wang

Office: AUST 341

Email: chun.wang@uconn.edu

Grading: You are responsible for all the material covered in lectures, readings, presentations and homework. The final grade will be based on class participation (might composed of quizzes, topic presentation, and other types of participation), homework and project. There will be no exams. Each homework assignment is due in class on the assigned date.

Homework:	30%
Class participation:	20%
Project:	50% (paper and presentation)

Final Project (50%) Information: Each student is required to work independently on a class project on a topic of your choice that involves longitudinal data. Examples are an investigation of the properties of a methodology you find interesting, a comparison of several methods on a variety of problems, a comprehensive analysis of a real data with methodologies from the course, or an R package. The project should represent new work, not something you have done for another course or as part of your thesis.

1. Project proposal is due in week 5. This is a detailed, one-page description of what you plan to do, including question(s) to be addressed and models to be used.
2. Project interim report is due in week 11. This informal report will indicate that your project is "on track". The report includes results obtained thus far and a brief summary of what they mean and what remains to be done.
3. The final project will be presented in the last three weeks. This presentation is research oriented presentation. The schedule of the presentation will be finalized in week 2.
4. Attendance in the last three weeks is required (or you lost 5 points for each absence). Each student will give a score for other projects and the score will be incorporated into my grading. Each student is expected to participate through questions, comments and discussions.
5. Final project is due in the exam week. The final form of the project is a research paper in PDF format of no more than 6 pages (single spaced, font no smaller than 11pt, 1 inch margin, with references, graphics and tables included).