

BIOST 540
Spring Quarter 2018
Dr. Heagerty
March 27, 2018

BIOST 540
LONGITUDINAL AND MULTILEVEL DATA ANALYSIS
SPRING 2018

PREREQUISITES: BIOST/EPI 536; BIOSTAT 518; or permission

HOURS: Lecture: Tuesday 1:00pm-2:20pm,
HSB T-739
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INSTRUCTOR: Patrick Heagerty, PhD
Professor
Department of Biostatistics
F-665 HSB; 206-616-2720
e-mail: heagerty@u.washington.edu

OFFICE HOURS: Tuesday 3:30-5:00pm

OPTIONAL TEXTS: Diggle, Heagerty, Liang & Zeger:
Analysis of Longitudinal Data
Second Edition, Oxford Univ. Press, 2002.

Fitzmaurice, Laird & Ware:
Applied Longitudinal Analysis
Wiley, 2004.

Lecture notes available on the course web
page.

COMPUTER: We will be using R, STATA, and SAS

SOFTWARE: R is a free package
Personal copies of STATA are available for UW

Health Sciences faculty, students, and staff.
SAS is available on select university computers

CLASS: Homework exercises and course information
will be available on the class website

WEBSITE:
<http://faculty.washington.edu/heagerty/Courses/b540>

DISABILITY: If you would like to request academic accommodations due to a disability, please contact Disabled Student Services, 448 Schmitz, 543-8924 (V/TDD). If you have a letter from Disabled Student Services indicating you have a disability that requires academic accommodations, please present the letter to me so that we can discuss the accommodations you might need for class.

COURSEWORK: Discussion Assignments (approx. weekly)
Midterm Exam (take-home)
Final Exam (take-home)

GRADING: Numerical class grades will be based on the midterm exam (50%) and the final exam (50%). In addition, weekly homework questions will be asked with the goal of developing some case-studies based on your participation.