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

                 Fitzmaurice, Laird & Ware:
                 Applied Longitudinal Analysis

                 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.