EDUC 152

INTRODUCTION TO QUANTITATIVE RESEARCH IN EDUCATION: REGRESSION ANALYSIS
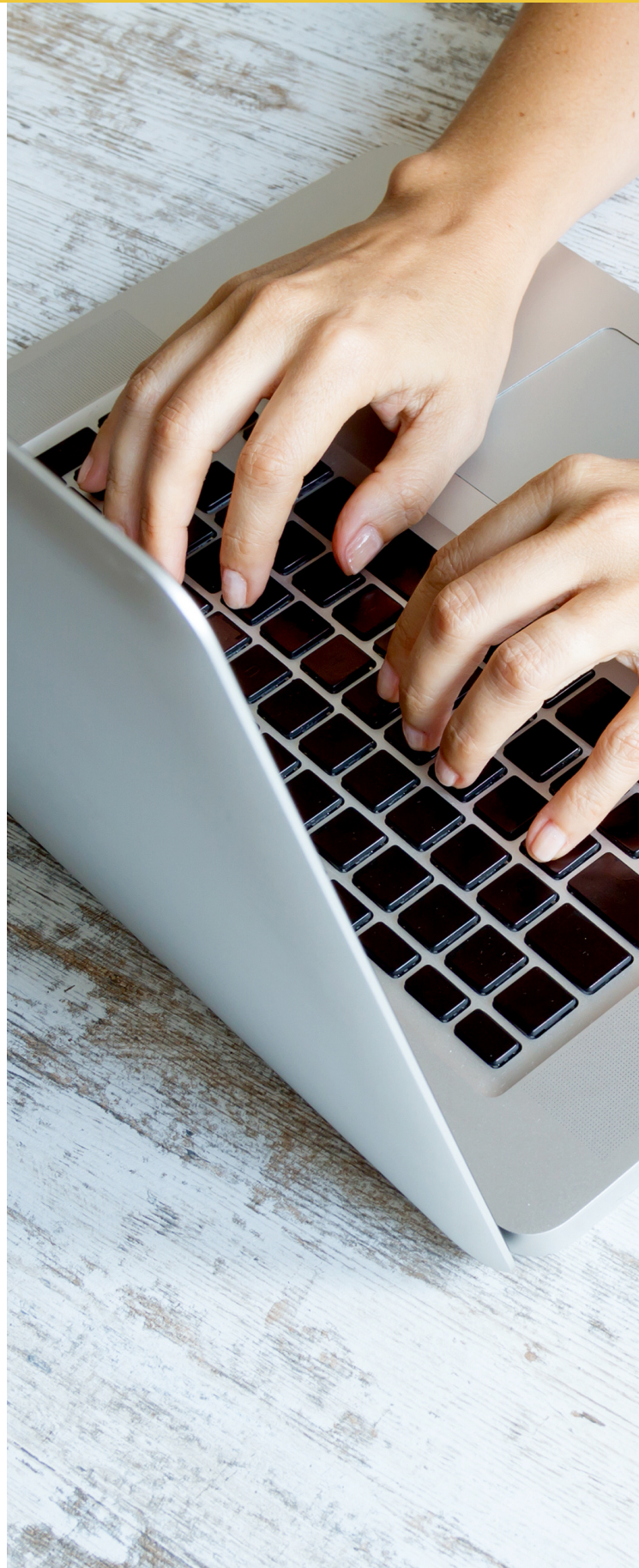
Online – Asynchronous
Lecture: Asynchronous
Dis 1A: Friday (9:00am–10:30am PST)

The course introduces regression as a tool to answer questions about education. Regression is commonly used to answer questions about association claims–– relationship between variables––and causal claims–– causal effect of one variable on another. Using regression appropriately requires thoughtfulness about what kinds of questions regression can answer, about assumptions regression relies on, about limitations of our data, and about how particular variables (e.g., "race" as a variable) are incorporated into analyses in order to avoid analyses that reify rather than interrogate problematic ideas.

Therefore, the course emphasizes: learning fundamental concepts about regression; how to read and critically assess research that uses regression; and how to conduct regression analyses using the R programming language.

Our practical applications of regression to answer education research questions will focus on analyzing practices that contribute to systematic inequality in educational opportunity. For example, we will examine data about the marketing/recruiting behavior of public universities in order to investigate potential racial discrimination in which prospective students universities recruit.

QUESTIONS? PLEASE CONTACT
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