UGBA 96.4/5: Data and Decisions - 2 Units
Spring 2018; Mondays 2-4pm or 4-6pm
Conrad Miller

Course Background
This is a connector course to the Foundations of Data Science course (http://data8.org/). It is designed to be taken at the same time or after the Foundations course.

This course, in combination with the Foundations course, satisfies the statistics prerequisite for admissions to Haas.

Course Description
The objective of the course is to provide an understanding of how data and statistical analysis can improve managerial decision-making. Students learn how to ask the right questions, find or collect relevant data, and apply appropriate statistical methods to solve problems and make better business decisions. We will explore statistical methods for gleaning insights from economic and social data, with an emphasis on approaches to identifying causal relationships. We will discuss how to design and analyze randomized experiments and introduce econometric methods for estimating causal effects in non-experimental data.

Prerequisite
For success in this course, concurrent enrollment in or completion of Foundations of Data Science (C8/Statistics 8) and completion of one semester of calculus is highly recommended.

Assessments (Tentative)
This course will include problem sets and a final exam.

About the Instructor
Conrad Miller is an Assistant Professor in the Economic Analysis and Policy Group at Haas. He received his PhD in economics from the Massachusetts Institute of Technology. He was recently on leave at Airbnb, where he worked as a data scientist and researcher. He can be reached at ccmiller@berkeley.edu.