CAUSAL MODELING DATA SCIENCE TALK
WITH BRIAN ZAHARATOS

REGISTER NOW!

February 27
6:00 - 7:30 PM
ECCR 1B40
(Engineering Center)

Food provided
Join in-person or via Zoom

Many statistics and data science questions are causal in nature. For example, Does low minimum wage cause poverty? What is the effect of race on police use of force? These questions seem to require more than just predicting an output variable from a set of input variables. Causal questions require an explanation. Why did a change in the minimum wage lead to a change in poverty? If an individual's race were different, would their interaction with the police have been different?

The tools used to answer causal questions require non-trivial assumptions about the underlying processes that generate the data. When data come from the social world, the assumptions are often politically and ethically charged. In this talk, we will explore issues in causal modeling. In particular, we will differentiate causal modeling from predictive modeling, explore some key assumptions and techniques to estimate causal effects, and analyze the social and ethical implications of causal modeling.

CU Data Science
UNIVERSITY OF COLORADO **BOULDER**

datascience@colorado.edu