

Title: Theory, Incentives, and Data Science

Abstract: While data science serves as the backbone of many systems today, these systems often interact with real human beings. As such, we need the theory of data science to be robust to the potential manipulation from these individuals when they have strategic interests. In this talk, we'll discuss how to use algorithmic mechanism design to provide guarantees on data that is elicited from strategic individuals. I will then present work in applications to carbon pricing, health insurance, and online labor markets.