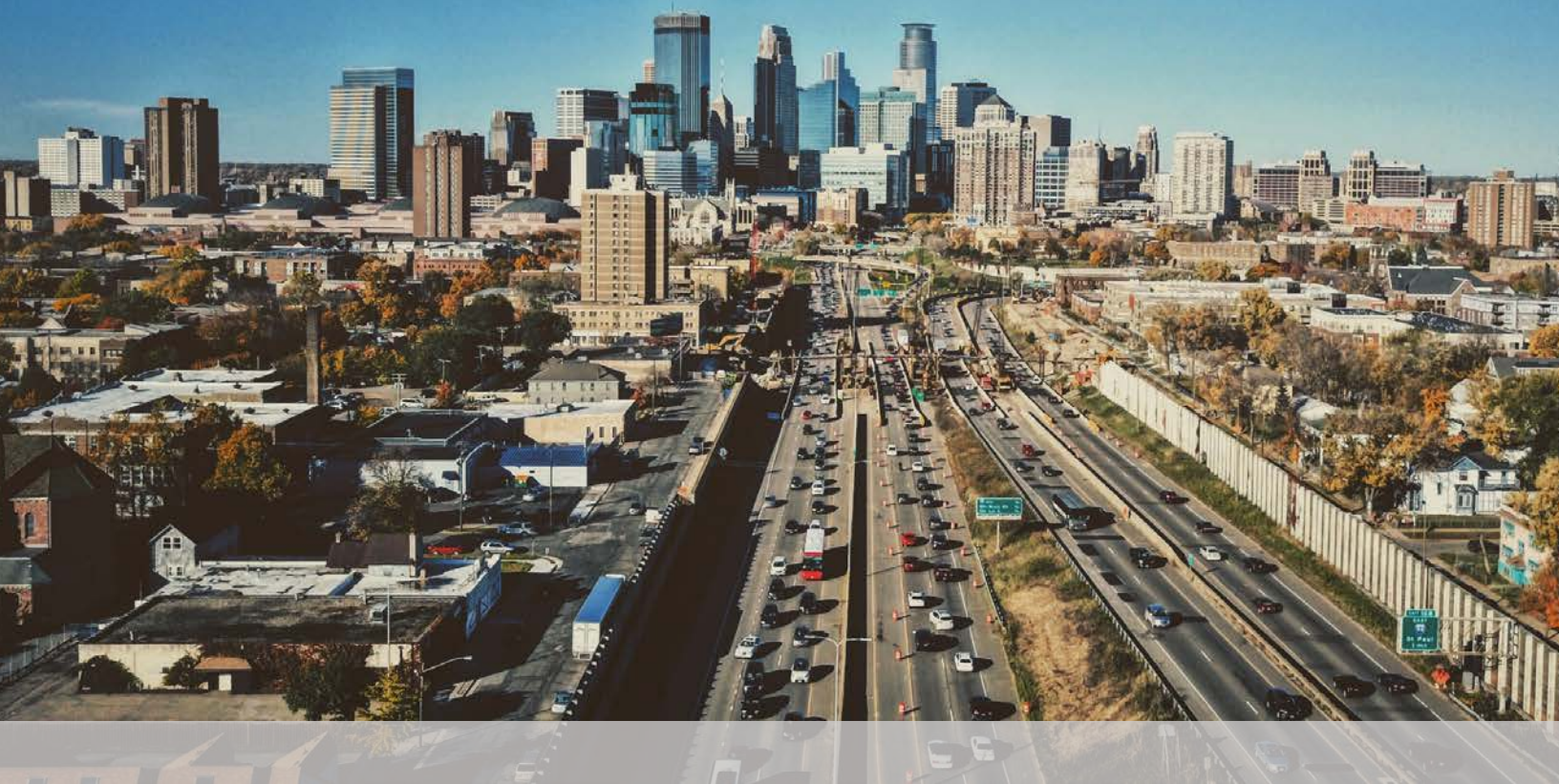


New Undergraduate Course in Spring 2019: Using Big Data to Solve Economic and Social Problems



Professor of Economics **Raj Chetty** uses big data to study economic opportunity in the United States. He has received a MacArthur "Genius" Fellowship and the John Bates Clark medal, given by the American Economic Association to the best American economist under age 40.

This course will show how "big data" can be used to understand and solve some of the most important social and economic problems of our time. The course will give students an introduction to frontier research in applied economics and social science in a non-technical manner that does not require prior coursework in Economics. Topics include equality of opportunity, education, health, the environment, innovation and entrepreneurship, crime, and political partisanship.

In the context of these topics, the course will also provide an introduction to basic statistical methods and data analysis techniques, including regression analysis, causal inference, quasi-experimental methods, and machine learning. Guest speakers will include journalists, practitioners, and academic researchers who use "big data" to address economic and social issues.