DEPARTMENT OF STATISTICS
COLLOQUIA SERIES

Monday December 5th, Talk: 4:15 PM — Science Center 300H
Reception: 3:50 PM

Guest Speakers: Ed Glaeser & Nikhil Naik
Harvard Economics Department & MIT Media Lab

Visualizing the City

Abstract:

Google Streetview now provides an enormously rich picture of the physical streetscapes of the world's cities.   Advances in computer recognition techniques make it possible to use images to predict local demographics or the curb appeal of particular places.   We show how the combination of Google Streetview and computer vision techniques can map the patterns of neighborhood in six American cities.   We also use these methods to predict income in the U.S. and Chile, which offers the possibility of measuring neighborhood prosperity in parts of the world where income statistics are absent.