

DATA AND SOCIETY: CAN BIG DATA PREDICT OUR FUTURE?



- What is data science? What does it mean to be a data scientist?
- Can big data predict our future and shape our cities?
- What are the positive and negative implications of big data?

The availability of digital data, from social media to phone call traces, has opened up a new era of social research and marketing. In a few short years, an unprecedented volume of information has been collected regarding human behavior in a wide range of domains and this information is being used in turn to influence our day to day lives. This course aims to highlight and discuss the various societal implications that have emerged. The main goal of the course is to broadly reflect on the opportunities of "big data" as well as its potential negative effects on society.

Through a series of lectures, students will explore different aspects of data science such as data collection, data analytics and its applications, privacy consideration and more. This course will include, in addition to the standard curriculum, guest lectures from external speakers which will cover the use of data science across a wide range of domains.

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