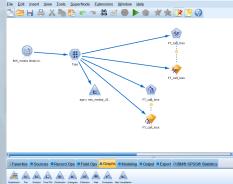


Department of Epidemiology & Biostatistics



Have you wondered what **Big Data is?** 

A new course addresses the use of health-related Big Data in biomedical research

## **BIOSTAT 202 Opportunities and Challenges** of Complex Biomedical Data: Introduction to the Science of Big Data

July 28 to September 1, 2016 Lectures: Mondays & Thursdays, 1:00 to 2:30pm Computer lab: Thursdays, 2:45 to 4:15pm

Mission Hall **UCSF** Mission Bay campus

The growing availability of large amounts of dataobtained either through research or electronic capture of everyday activity—has been termed 'Big Data.' Have you wondered what Big Data is and whether it is hype or reality?

A new, introductory course from the Department of Epidemiology & Biostatistics will discuss the opportunities and challenges of using biological and health-related Big Data to perform biomedical research and introduce students to the techniques used in the emerging field of data science.

The course uses a leading software package to explore the phases of data science: obtaining, cleaning, visualizing, analyzing, and drawing conclusions from data. No previous programming experience is required.

A laptop is required for running the course software in lab. Detailed syllabus, tuition costs, and application materials can be found at:

http://ticr.ucsf.edu/courses/schedule/data\_science.html