



## Have you wondered what Big Data is?

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

The growing availability of large amounts of data—obtained 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://tcr.ucsf.edu/courses/schedule/data\\_science.html](http://tcr.ucsf.edu/courses/schedule/data_science.html)

### **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