

**Welcome!** Please have a seat and introduce yourself to your neighbors. Where are they from, what did they do over break, classes/major? etc.

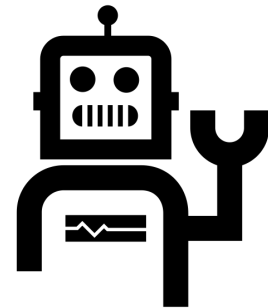
# Lecture 1: Half-Day Introduction

Core 109S In Data We Trust? Spring 2017  
Michael Hay

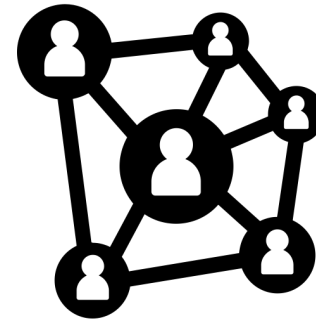
Please take a **syllabus**  
(on desk near door)

What's this *Core Scientific Perspective* course about?

**Science**

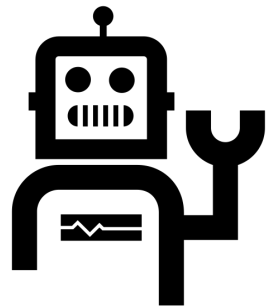


**Society**



# What's this *Core Scientific Perspective* course about?

Science

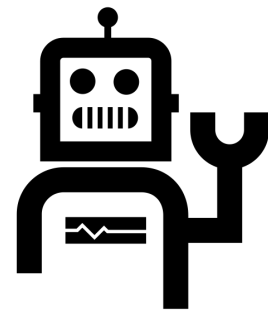


Society



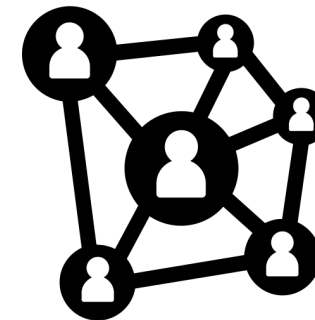
# What's this *Core Scientific Perspective* course about?

## Science



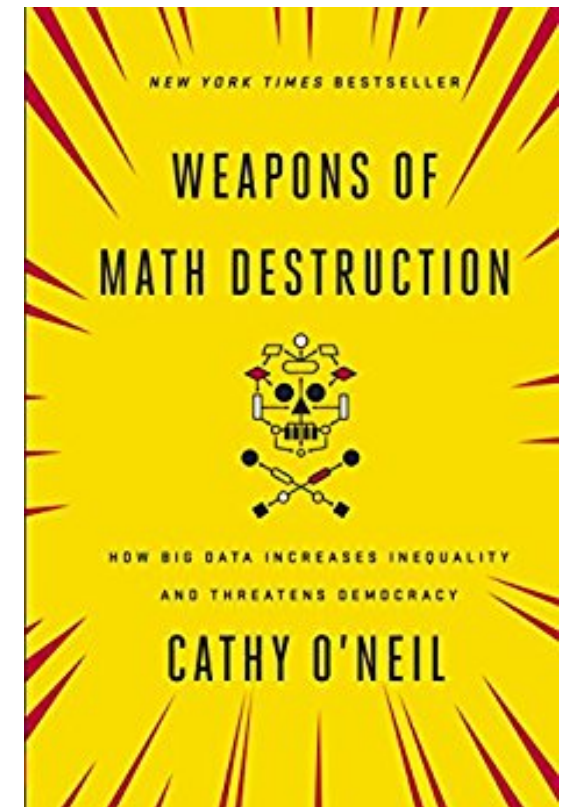
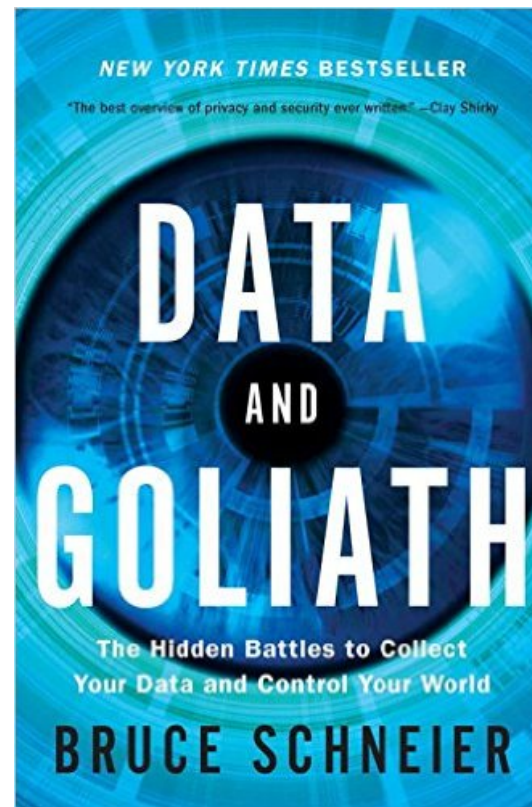
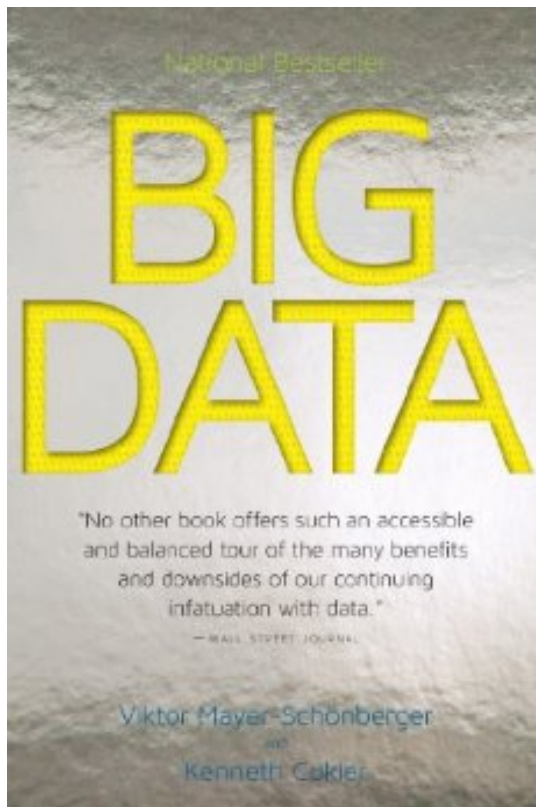
- Exposure to problem solving in computer science
- Experience with formal programming language (SQL) to express computations
- Use problem sets and activities to reinforce conceptual understanding

## Society



- Investigate some key areas where “big data” technology impacting society: surveillance, privacy, fairness
- Use readings, discussion, writing to explore issues

# Course texts



(Not available yet. Coming soon!)

# Course work

- “Expand Your (Science) Horizons”: attend two talks
- Reading and “Reading Engagement” exercises (including short writing and *pop quizzes!*)
- Class participation
- Problem sets / lab-like activities (in class)
  - Learn to program using the *Structured Query Language (SQL)*
- Exams

# For Wednesday

- Go to course schedule (available thru Moodle), find reading assignment, and complete first ***reading engagement exercise***