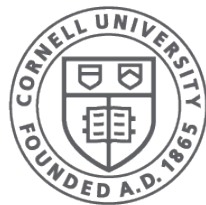




# Cornell's Computing & Information Science

Greg Morrisett  
Dean

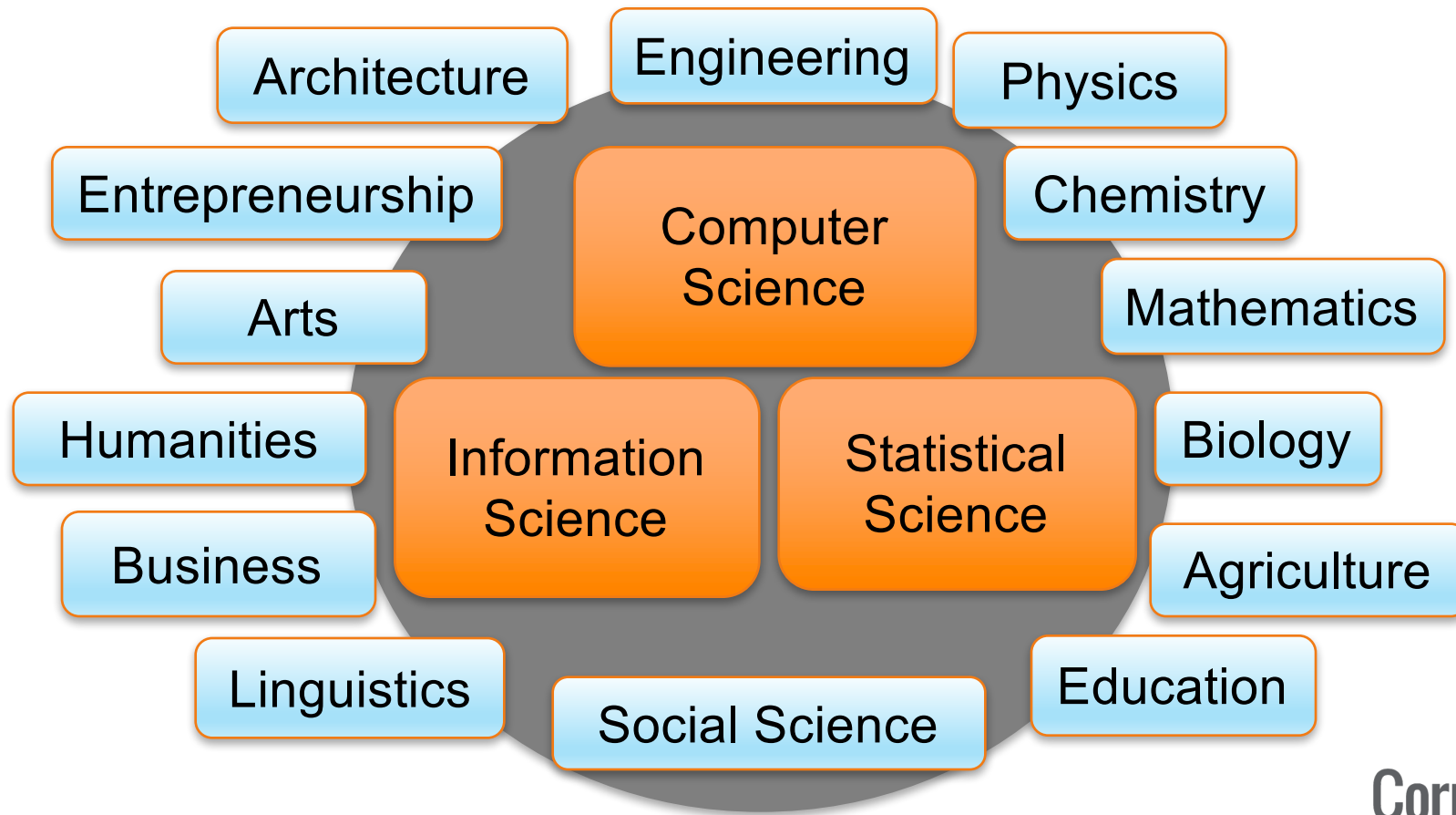


**Cornell CIS**  
COMPUTING AND INFORMATION SCIENCE

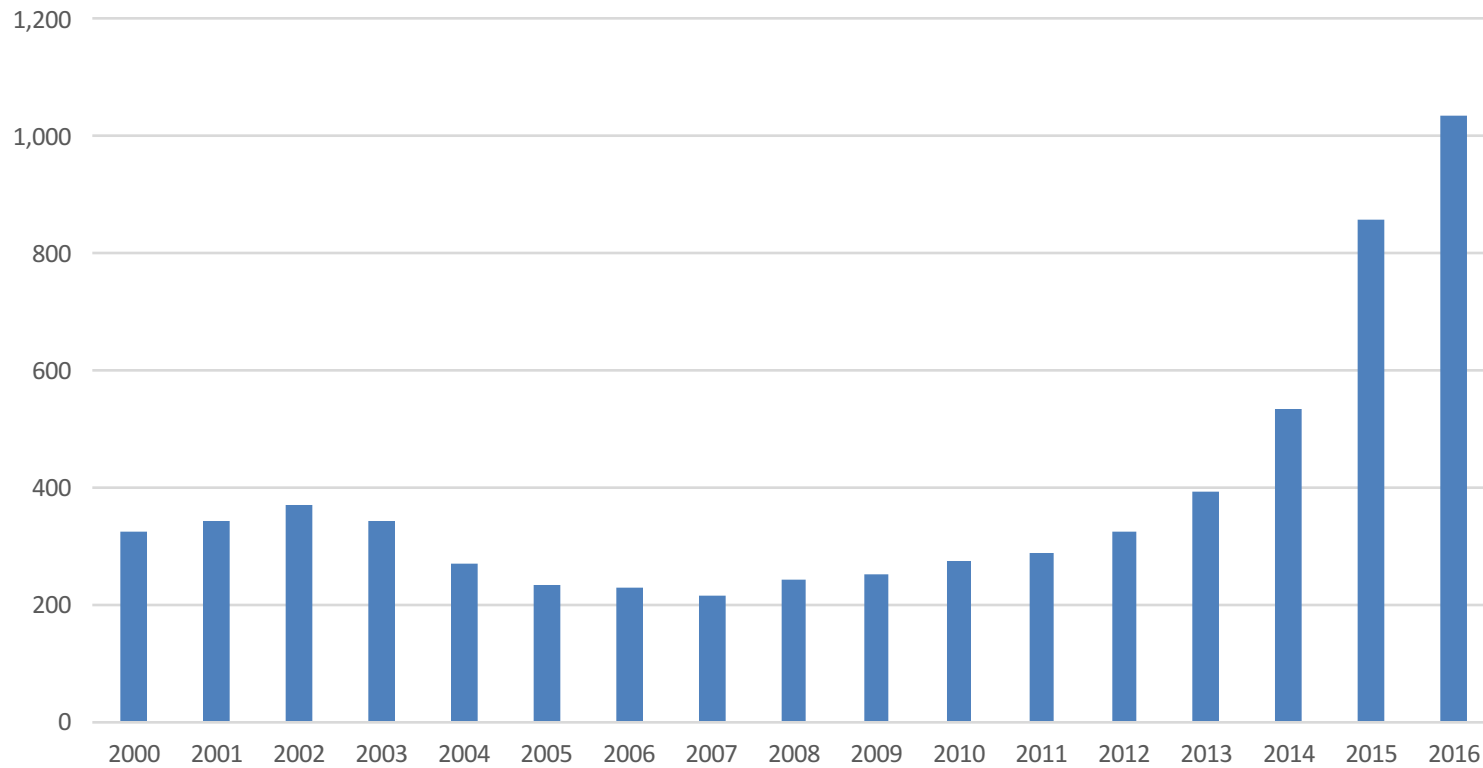
# Cornell's Computing & Information Science

- CS Dept. more than 50 years old
  - Only dept. to span both Engineering and Arts & Sciences.
- Became a “faculty” in 2000
  - A college from a financial standpoint
  - But many shared services (e.g., admissions)
- Surface area expanded with 2 more departments:
  - Information Science
  - Statistics
- And a new campus: Cornell Tech @ NYC

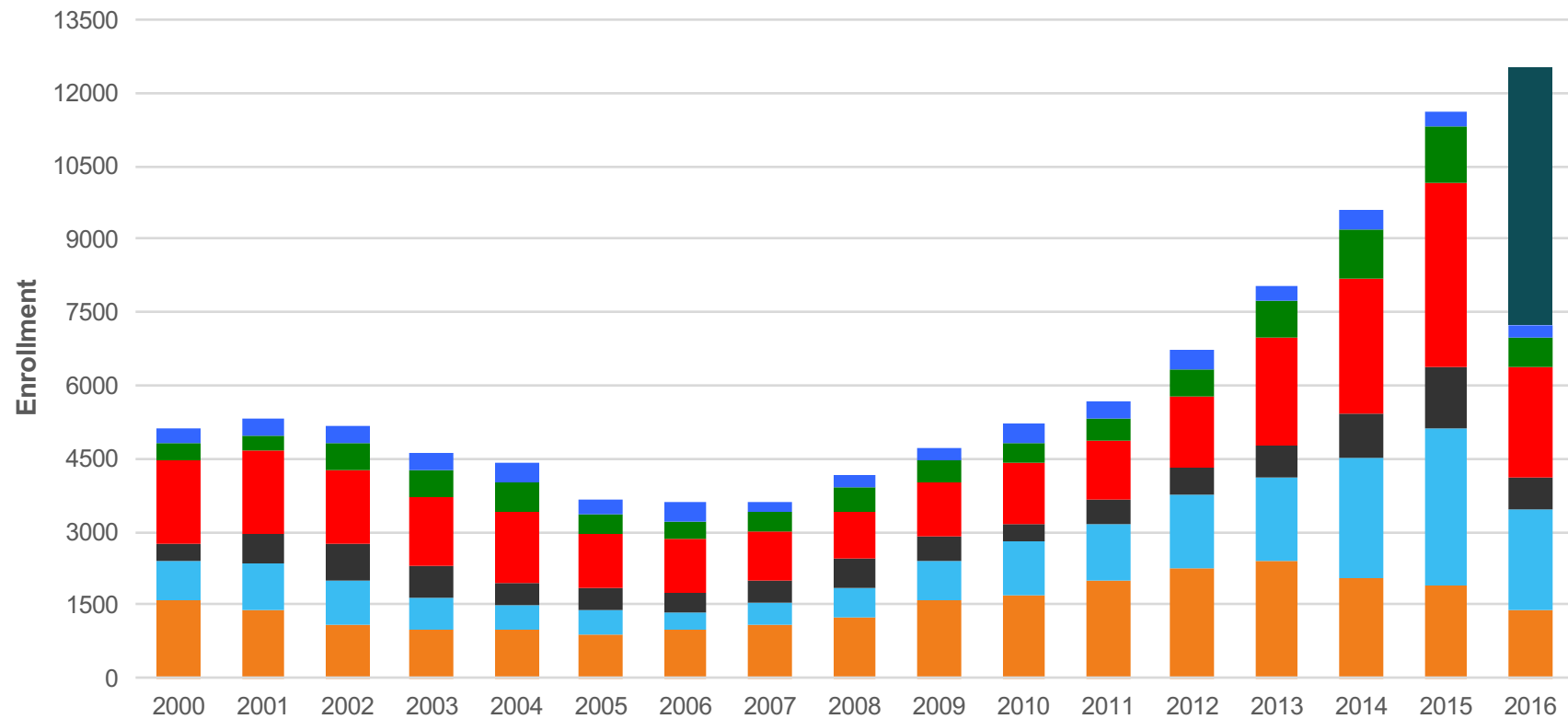
# Connections across Cornell



# Majors

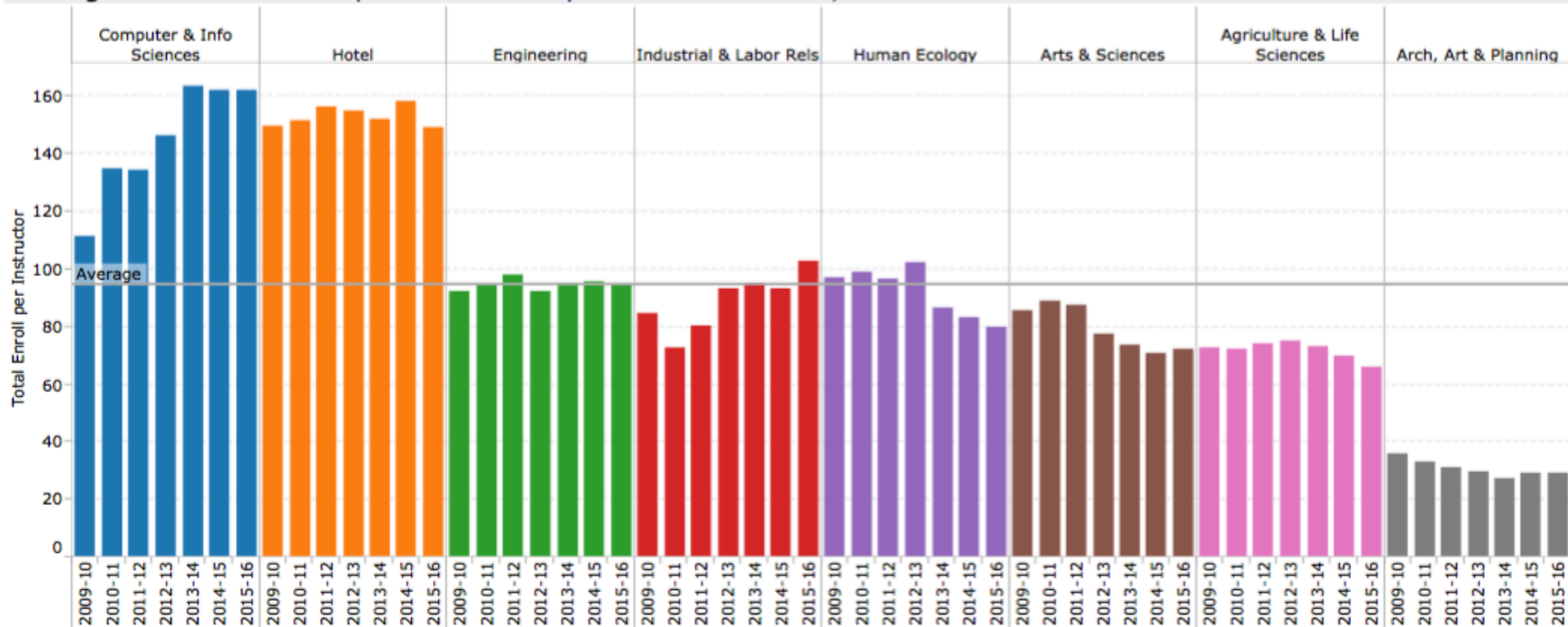


# Enrollments



# Enrollments per faculty

**Undergraduate Enrollments** per Academic Year per Instructor *March 28, 2016*



Undergraduate Enrollments, Instructors, and Enrollments per Instructor

# We revolutionize fields!

## Social Science at Scale

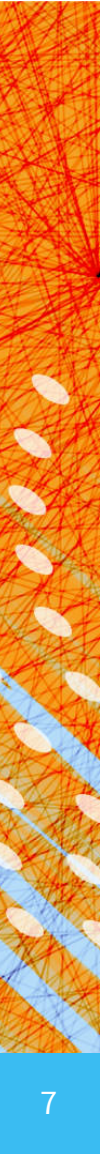
- Amazon Turk, FB, Twitter, Prediction Markets, ...

## Physical & Biological Sciences meet Social Science

- Cornell Lab of Ornithology, WWTelescope, FoldIt, ...

## Education

- Khan Academy, EdX, Coursera, Duolingo, ...







# TEXT MINING *FOR* HISTORY & LITERATURE

INFO 3350 / INFO 6350

Fall 2015. MWF 11:15-12:05. Additional graduate discussion section for 6350 W 12:20-1:10.

[Readings and Assignments](#), [Syllabus \(course policies\)](#), [Piazza site for questions](#)

Instructor: David Mimno (mimno at cornell dot edu).

TA: Xanda Schofield (xanda at cs dot cornell dot edu).

**Goals.** The course will introduce students to research methods in computer-assisted scholarship. We will learn to represent text documents in computational forms, and to appreciate the effect of choices we make in this process. We will cover a selection of popular tools such as classification, clustering, and topic modeling. Each week we will discuss both the details of computational methods and how each method can be applied in the context of scholarly research.





# CS meets Art & Architecture



# But also introduce headaches...

## We still can't build secure systems.

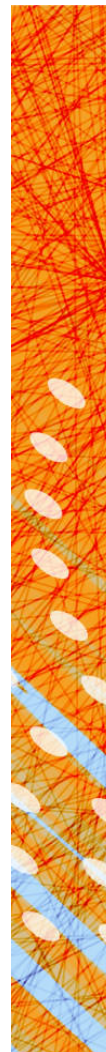
- Major technical, economic, and social challenges.

## Data is the new oil.

- Lots of value, but a leak is toxic.

## Social and economic division.

- Do Uber, Turk, AI, robots, etc. create or destroy jobs?



# Cornell Tech

Joint venture with  
NYC & Technion.



Master's programs in CS, IS, OR, Business, Law.

And non-disciplinary programs in Connected  
Media, Health Tech, and the Built Environment.

# Closing Thoughts

- CS needs to team with the whole university.
  - New structures can help avoid silos, promote core
- Real strength in co-locating with Stats, AM, OR
  - Teaching
  - Consulting units