NSF Big Data Regional Innovation Hubs

- A national network to augment ongoing activities and ignite new public/private partnerships

- Bring together academia, industry, government, non-profits
Leadership

- PI: Kathleen McKeown
- Executive Committee
  - Carla Brodley, Northeastern
  - Vasant Honavar, Penn State
  - Andrew McCallum, Umass Amherst
  - Howard Wactlar, CMU
NORTHEAST BIG DATA INNOVATION HUB

- Education
- Data Sharing
- Ethics & Policy
- Privacy & Security

- Health
- Energy
- Cities & Regions
- Finance
- Big Data
- Applications in Education
- Discovery
- Science & Engineering
Spokes

- Health
- Energy
- Cities/regions
- Finance
- Data driven
- Education
- Scientific discovery
Connectors

- Data sharing
- Ethics and policy
- Privacy and security
- Data science
- Education
Hub members

- 40 academic institutions
- 20 non-profits/government
- 20 industry partners
Vision

- To provide opportunities for data scientists across organizations and across related fields to come together for collaboration
- To exploit data of different kinds to solve problems

Dec 16\textsuperscript{th}: Inaugural workshop at Columbia
COLUMBIA DATA SCIENCE INSTITUTE: Founded 2012

- Faculty and student involvement from every school at Columbia
- Hired 25 new faculty in data science
Centers

Center to Sense, Collect and Move Data

Cybersecurity

Financial Analytics

Smart Cities

New Media

Foundations

Health Analytics
Training the data scientists of the future

- Certification launched 2013
- MS launched 2014
- Planned PhD Fall 2017