

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

Sharing is caring



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

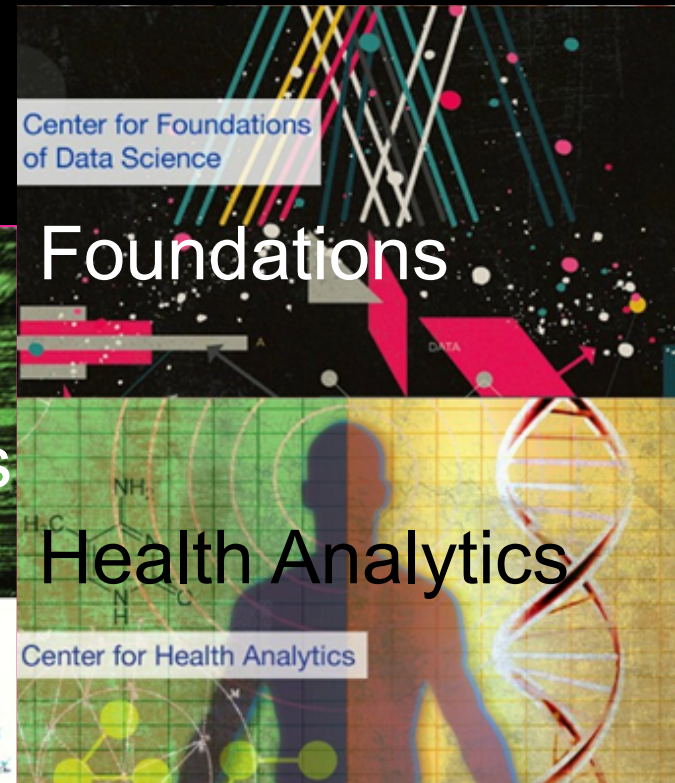
Dec 16th: Inaugural workshop at Columbia

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

Training the data scientists of the future

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

