

The National Academies of
SCIENCES • ENGINEERING • MEDICINE

Roundtable on Data Science Education
Meeting #4 Agenda – October 20, 2017

Alternative Institutional and Educational Mechanisms

Northwestern University
Norris Center
Louis Room (#205)
Evanston, IL 60208-2800

Webcast: http://sites.nationalacademies.org/DEPS/BMSA/DEPS_178020

MEETING TOPICS: Alternative Institutional and Educational Mechanisms

- Survey several alternatives to a full data science curriculum being pursued at several universities, including certificates and practicums;
- Discuss the role of alternative educational practices such as bootcamps, hackathons, and informal science education in museums;
- Consider how university structures impact data science program and educational design.

Upcoming Dates:

December 8, 2017: Roundtable Meeting #5 — Integrating Societal and Ethical Issues into Data Science Education (Washington, DC)

Workshop on Envisioning the Data Science Discipline: The Undergraduate Perspective on December 6-7 in Washington, DC

Committee on Applied and Theoretical Statistics
Board on Mathematical Sciences and Analytics
Computer Science and Telecommunications Board

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Friday October 20th all times Central

CLOSED SESSION For Roundtable members only

Breakfast available starting at 8:30am

9:00 AM Discussion of survey on impacts and plans going forward
Eric Kolaczyk, Boston University
Kathy McKeown, Columbia University

OPEN SESSION, Begin Webcast

Alternative Institutional and Educational Mechanisms for Data Science Educaiton

9:25 AM Welcome and overview of meeting
Eric Kolaczyk, Boston University
Kathy McKeown, Columbia University

9:30 AM Stanford University's Certificate Programs
Jeffrey Ullman

10:00 AM Boston University's Statistics Practicum
Eric Kolaczyk

10:30 AM Discussion

11:00 AM Break

11:15 AM Cornell Tech and the Jacobs Technion-Cornell Institute
Ron Brachman

11:45 AM American Statistical Association DataFest
Andrew Bray, Reed College

12:15 PM Discussion

12:45 PM Working Lunch

1:45 PM Bootcamp goals, structure, and content
David Ziganto, Metis

2:15 PM Informal Data Science Education
Catherine Cramer, Steve Uzzo, Katy Börner

2:45 PM Discussion

3:15 PM Break and small group discussion in response to prompts

4:00 PM Synthesis discussion and looking ahead to December and 2018

5:00 PM Adjourn Meeting

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