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**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](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 20<sup>th</sup> 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 Education**

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

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