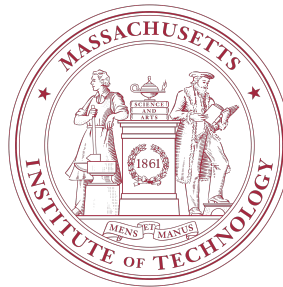




Massachusetts Institute of Technology

*This is to certify that*

**Richard Careaga**



*has successfully completed*

**Data Science and Big Data Analytics: Making  
Data-Driven Decisions**

Awarded 1.8 Continuing Education Units (CEUs)

May 7 - June 25, 2018

A handwritten signature in black ink, appearing to read 'Sanjay Sarma'.

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**Sanjay Sarma**

Vice President for Open Learning  
Massachusetts Institute of Technology

A handwritten signature in black ink, appearing to read 'Devavrat Shah'.

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**Devavrat Shah**

Professor, Electrical Engineering and Computer Science  
Director, Statistics and Data Science Center  
Massachusetts Institute of Technology

A handwritten signature in black ink, appearing to read 'Philippe Rigollet'.

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**Philippe Rigollet**

Associate Professor, Mathematics  
Core Member, Statistics and Data Science Center  
Massachusetts Institute of Technology