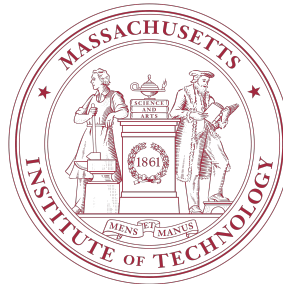




Massachusetts Institute of Technology

This is to certify that

Samuel



has successfully completed

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

Awarded 1.8 Continuing Education Units (CEUs)

February 4 - March 25, 2019

A handwritten signature in black ink, reading 'Sanjay Sarma'.

Sanjay Sarma

Vice President for Open Learning
Massachusetts Institute of Technology

A handwritten signature in black ink, reading 'Devavrat Shah'.

Devavrat Shah

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

A handwritten signature in black ink, reading 'Philippe Rigollet'.

Philippe Rigollet

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