



JOHNS HOPKINS
UNIVERSITY

MARCH 30, 2016

Ahmed Gamal Elmahy

has successfully completed

The Data Scientist's Toolbox

an online non-credit course authorized by Johns Hopkins University and offered
through Coursera

A handwritten signature in black ink, likely belonging to one of the faculty members mentioned in the caption below.

Jeff Leek, PhD; Roger Peng, PhD; Brian Caffo, PhD
Department of Biostatistics
Johns Hopkins Bloomberg School of Public Health

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CERTIFICATE



Verify at coursera.org/verify/ZNC3DNMWVD8N

Coursera has confirmed the identity of this individual and
their participation in the course.