



Mar 28, 2019

**Mahmoud Elsherif**

has successfully completed

**Tools for Data Science**

an online non-credit course authorized by IBM and offered through Coursera

Three handwritten signatures in black ink, stacked vertically. The first signature is "Maureen McElaney", the second is "Romeo Kienzler", and the third is "Svetlana Levitan".

Maureen McElaney  
Romeo Kienzler  
Svetlana Levitan

**COURSE  
CERTIFICATE**



Verify at:

<https://coursera.org/verify/FXJXCGD4FRC9>

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