



Nov 20, 2021

XIZI CHEN

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 coursera.org/verify/P7ZVN6RQJDAK

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