



May 2, 2020

**Lotfi Ncib**

has successfully completed

**Data Analysis with Python**

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

A handwritten signature in black ink, reading "J. Santarcangelo".

Joseph Santarcangelo  
Senior Data Scientist  
IBM

**COURSE  
CERTIFICATE**



Verify at [coursera.org/verify/LXAWMJ79YUD5](https://coursera.org/verify/LXAWMJ79YUD5)

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