



Jul 10, 2021

**Patricia L Crosswait**

has successfully completed

**COVID19 Data Analysis Using Python**

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

A handwritten signature in black ink, appearing to read "Ahmad", with a stylized flourish at the end.

Ahmad Varasteh  
Data Mining and Machine Learning Instructor

**COURSE  
CERTIFICATE**



Verify at:  
[coursera.org/verify/7AV4JEKV2DGY](https://coursera.org/verify/7AV4JEKV2DGY)

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