



Jun 27, 2021

Kathleen Frances Carstens

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 "Joseph Santarcangelo".

Joseph Santarcangelo
Senior Data Scientist
IBM

**COURSE
CERTIFICATE**



Verify at coursera.org/verify/GQA5C2L2QJQ8

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