

VERIFIED

CERTIFICATE *of* ACHIEVEMENT



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

Joseph Santarcangelo
Data Scientist

IBM

This is to certify that

Juan Antonio Barrera López Ortega

successfully completed and received a passing grade in

PY0101EN: Python Basics for Data Science

a course of study offered by IBM, an online learning initiative of IBM.



VERIFIED CERTIFICATE
Issued May 9, 2020

VALID CERTIFICATE ID
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