



This is to certify that

Joseph Santarcangelo Data Scientist

IBM

TONI GONZALEZ CIFUENTES

successfully completed and received a passing grade in

DA0101EN: Analyzing Data with Python

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



Verified Certificate Issued noviembre 16, 2020 Valid Certificate ID 9c136b279c514e3a860c3652bce53a55