

Verified Certificate



A handwritten signature in black ink, appearing to read "J. Santarcangelo".

Joseph Santarcangelo
Data Scientist
IBM

This is to certify that

Xavier Borja

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 May 4, 2025

Valid Certificate ID
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