

# Verified Certificate



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

**Joseph Santarcangelo**

Data Scientist

IBM

This is to certify that

**Ivan Kaliuzhnyi**

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 January 16, 2022

**Valid Certificate ID**

[a1df5d0ecc0f43f6aec4747337e2eb9e](https://courses.edx.org/certificates/a1df5d0ecc0f43f6aec4747337e2eb9e)