



This is to certify that

Esteban Barrera

successfully completed and received a passing grade in

Python 101 for Data Science

(PY0101EN, provided by IBM)

A course on cognitiveclass.ai
Powered by IBM Developer Skills Network.

Issued by
Cognitive Class

Cognitive Class

November 12, 2025

Authenticity of this certificate can be validated by going to:
<https://courses.cognitiveclass.ai/certificates/cb65ac30047d455baa18eccee25f7402>

