



Certificate no: UC-7da0b66e-7307-48b5-a8e2-514f2228a2a0

Certificate url: [ude.my/UC-7da0b66e-7307-48b5-a8e2-514f2228a2a0](https://ude.my/UC-7da0b66e-7307-48b5-a8e2-514f2228a2a0)

Reference Number: 0004

CERTIFICATE OF COMPLETION

# Spark and Python for Big Data with PySpark

Instructors **Jose Portilla**

**Manuel Sánchez**

Date **May 1, 2022**

Length **10.5 total hours**