



This certifies that

Mortadha Houch

successfully completed the

Data Analysis with Python

Developer Certification on December 12, 2024

representing approximately 300 hours of work



A handwritten signature in black ink, which appears to read "Quincy Larson", positioned above a horizontal line.

Quincy Larson

Executive Director, freeCodeCamp.org



Verify this certification at:

<https://freecodecamp.org/certification/fcc5edde310-807d-4ada-8f1e-88997c871369/data-analysis-with-python-v7>