Future Learn

Issued 1st December 2018. futurelearn.com/certificates/lluc8ky

Certificate of Achievement

Fridah Glelis Kariuki

has completed the following course:

LEARN TO CODE FOR DATA ANALYSIS
THE OPEN UNIVERSITY

This hands-on course is an introduction to computer programming and data analysis. It teaches how to access open data and clean, analyse and visualise it. It adopts a reproducible research approach: the data analysis is written up and publicly shared with the code used in the analysis.

4 weeks, 5 hours per week

Mr Jonathan Nicholls
University Secretary
The Open University

The Open University

The person named on this certificate has completed the activities in the attached transcript. For more information about Certificates of Achievement and the effort required to become eligible, visit futurelearn.com/proof-of-learning/certificate-of-achievement.

This learner has not verified their identity. The certificate and transcript do not imply the award of credit or the conferment of a qualification from The Open University.

TRANSCRIPT

The Open University

Fridah Glelis Kariuki

has completed the following course:

LEARN TO CODE FOR DATA ANALYSIS
THE OPEN UNIVERSITY

79%
AVERAGE TEST SCORE

This course explored how to write computer programs, one line of code at a time, to download, clean, analyse and visualise open data. The course also taught how to write up and share data analyses in a reproducible way. Each week of this course was organised around a specific analysis project using open data from the World Health Organisation, the Weather Underground, the World Bank and the United Nations.

STUDY REQUIREMENT
4 weeks, 5 hours per week

LEARNING OUTCOMES
- Demonstrate an understanding of basic programming concepts.
- Using a programming environment to develop programs.
- Develop an awareness of open data sources as a public resource.
- Produce and write simple programs to analyse large bodies of data and produce useful results.

SYLLABUS
- Python: variables, assignments, expressions, basic data types, if-statement, functions
- Programming: using Jupyter Notebooks, writing readable and documented code, testing code
- Data analysis: using pandas to read CSV and Excel files, to clean, filter, partition, aggregate and summarise data, and to produce simple charts

Future Learn