

Only you can see this message. Congratulations on earning this certification. It's no easy task. Running freeCodeCamp isn't easy either. Nor is it cheap. Help us help you and many other people around the world. Make a tax-deductible supporting donation to our charity today.

Confirm your donation of \$20 / month:

\$5 \$10 **\$20** \$40

Your \$20 donation will provide 1,000 hours of learning to people around the world each month.

[Donate](#)

freeCodeCamp(🔥)

This certifies that

Ayabonga Tshitshi

successfully completed the

Data Analysis with Python

Developer Certification on November 4, 2023

representing approximately 300 hours of work



Quincy Larson

Executive Director, freeCodeCamp.org



Verify this certification at:

https://freecodecamp.org/certification/85_hUey/data-analysis-with-python-v7

[Add this certification to my LinkedIn profile](#)

[Share this certification on Twitter](#)

As part of this certification, Ayabonga Tshitshi built the following projects and got all automated test suites to pass:

[Mean-Variance-Standard Deviation Calculator](#)

[View ↗](#)

[Demographic Data Analyzer](#)

[View ↗](#)

[Medical Data Visualizer](#)

[View ↗](#)

[Page View Time Series Visualizer](#)

[View ↗](#)

[Sea Level Predictor](#)

[View ↗](#)

If you suspect that any of these projects violate the [academic honesty policy](#), please [report this to our team](#).