
Data Visualization with Python Course

Part-Time Online Classes

In partnership with:

// FLATIRON SCHOOL

Introduction

In today's world, a lot of data is generated on a daily basis. Analyzing large sets of data for certain trends, and patterns may become difficult if the data is in its raw format. Data visualization comes into play here. In this 12-week course, you will learn how to visualize data using Python. By the end of the training, you will be able to provide a good, organized pictorial representation of data which makes it easier to understand, observe, and analyze for decision-making.

The course is ideal for complete beginners and non-techies with 0 experience in programming.

What is Data Visualization?

Data visualization is the graphic representation of data analysis to achieve clear and effective communication of results and insights drawn from data. One of the key skills of a data scientist is the ability to tell a compelling story, visualizing data and findings in an approachable and stimulating way. Learning how to leverage programming skills to visualize data takes you a step closer to becoming a good data scientist.

Why Learn Data Visualization?

- Data visualization skills are required for many jobs in the data analysis and statistics professions.
- Data visualization specialists are in high demand by companies working with Big data.
- Learning data visualization techniques is important for professionals in finance, marketing, health, insurance, business analytics, and statistics.

Why Study At Moringa?

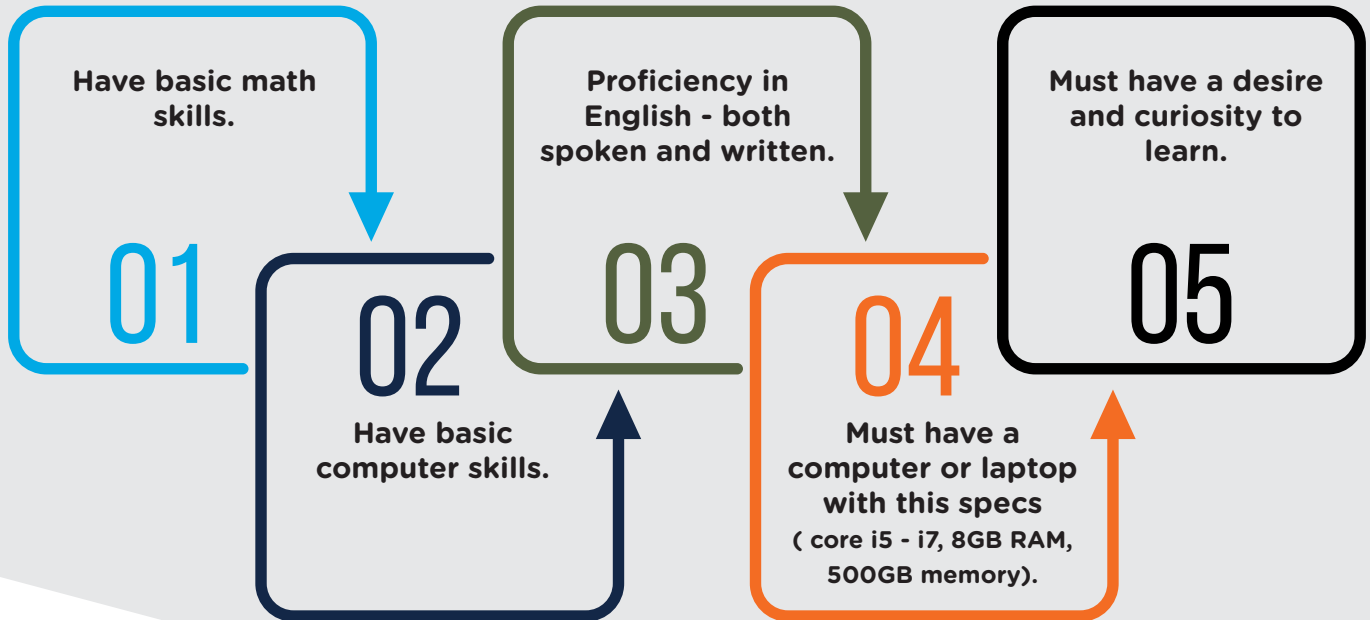
We guarantee you will learn market-aligned skills through our practical and comprehensive curriculum.

- Project-based learning
- Access to large data sets & real-world business case studies
- Technical Mentor Support
- Live instructor classes
- Access to a global community of learners all over Africa
- Career Guidance

Who is this course for?

This course is designed for non-technical learners. No prior knowledge of programming is required.

What are the entry requirements?



Course Overview

Curriculum Developed by: Flatiron School

Course Duration: 12 Weeks

Mode of Learning: Live & Online | Part-Time Evening Classes

Weekly schedule: Weekdays 6 pm - 9 pm

Tuition Fees: Ksh 30,000

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Curriculum Outline

Week 1

Topic 1: Python Essentials

The Fundamentals of Python

Week 2

Topic 2: Python Loops & Functions

Python for Beginners

Week 3

Topic 3: Statistical Measures

Intro to Stats w/Python

Week 4

Topic 4: Data Visualizations

How to Visualize Data

Week 5

Topic 5: Data Analysis in Pandas

Intro to Pandas Data Frames

Week 6 & 7

Project 1:

Visualizations Project

Week 8

Topic 6: Data Cleaning in Pandas

Common Data Manipulation Techniques

Curriculum Outline

Week 9

Topic 7: Data Cleaning in Pandas

Common Data Cleaning Techniques

Week 10

Topic 8: APIs

Harnessing External Data

Week 11 & 12

Project 2:

More Data Projects

Expected learning outcomes

At the end of the course all learners will:

- Master python programming & Data Visualization techniques
- Create advanced visualizations
- Generate interactive dashboards
- Build a portfolio of projects

Careers To Explore After Completion?

- Data Scientist
- Data Visualisation Specialist
- Data Analytics & Visualization Instructor
- Data Analysis Associate

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Contact Details



General Inquiries:
020 500 2167

Corporate Inquiries:
+254 738 368 319

Admissions Inquiries:
020 7643 533

WhatsApp Inquiries:
+254 795 872 461



General Inquiries
contact@moringaschool.com

Corporate Inquiries:
corporate@moringaschool.com

Admissions Inquiries:
admissions@moringaschool.com



Ngong Lane, Ngong Lane Plaza, 1st Floor, Nairobi Kenya
Victoria Plaza, 5th Floor, Westlands, Nairobi Kenya

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www.moringaschool.com