



# MORINGA

Discover · Grow · Transform



## ONLINE DATA SCIENCE COURSE (PART TIME)



## Introduction

In Moringa we are transforming the way tech education is done in African Markets. **All our programs are delivered through a blended learning approach that combines market-aligned courses, a classroom team of talented mentors with the skills and knowledge to deliver growth and results for learners, and an environment that supports student creativity, job market preparation in a fun, open, and transformative learning experience.** We celebrate our diversity and value strong, professional relationships that help our students build their futures with greater confidence, capability, and possibility.

## What is Data Science?

Data Science is an interdisciplinary field that deploys algorithms, and other scientific methods and processes to acquire insights and knowledge from data. Because Data Science applies to other fields of knowledge, it remains among the most in-demand skills today. Job opportunities in Data Science are projected to grow by over 25% between 2022 and 2030.

## Why Study Data Science?

Data Science is one of the most highly sought-after jobs due to the abundance of Data Science career pathways and a lucrative pay scale. The minimum requirement is a high school certificate. So college students, graduates, and anyone who is already working can join.

Moringa School has also partnered with Dalberg to provide learners with real-world datasets. This enables learners will understand how to apply their skills to real-world problems.

## Pre-requisites:

- Have a basic understanding of mathematics and statistics concepts
- Complete a multiple-choice assessment on probability and statistics

## Course Outline

The course is in two stages; Prep and Core. Prep is the introductory stage covering foundations of Data Science while giving learners the programming skills they need in Data Science. Core is the stage at which learners study the advanced topics in Data Science. Upon completion, learners will have worked on different real-world projects, acquired soft skills, and created portfolios that they can use to look for opportunities.

Part-time classes follow a blended model that includes:

### **Self Directed Online Classes**

**Mondays, Wednesdays and Fridays 6:00 pm to 9:00 pm**

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### **Live Online Classes with Tutors**

**Wednesdays and Fridays 6:00 pm to 9:00 pm**

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### **Saturday Classes with Tutors**

**In-Person 9:00 am to 12:00 noon**

## Prep

Prep is the introductory stage covering fundamental concepts in Data Science and an introduction to programming for Data Science. Topics include:

- Introduction to Data Science
- Programming for Data Science
- Data Preparation

**Course Duration: 8 weeks | Fees: Kes 50,000**

**Frameworks And Programming Languages Covered:**



## Core

Core is the advanced stage where learners master core Data Science skills and work on real-world projects using business-driven data sets. Upon completion, learners will acquire both technical and soft skills and designed a competitive project portfolio required to secure entry-level opportunities.

- Model data
- Analyze and visualize data
- Present insights and recommendations from data

Course Duration: 25 weeks | **Fees: Kes 150,000**

## Topics Covered:

- Statistics for Data Science
- Supervised Learning with Python
- R for Data Science
- Capstone Project

## Financial Aid

The aim of our Financial Aid Program is to make the courses and skills training done in Moringa School accessible to people who would otherwise be excluded from the digital revolution due to current financial constraints. With a baseline employment rate of 85% for all job-seeking alumni within 12 months of graduating, a Moringa Education is worth it! Apply for student financing today and start building your future with greater confidence, capability, and new possibilities.



## Partial Scholarships

Moringa School partial scholarships are awarded to students on the basis of demonstrated financial need. To apply, a student is required to have **completed the admission process** into Moringa School, for your respective course.

You can then start your application by expressing interest in Financial Aid by email to **admissions@moringaschool.com**. The admissions team will respond to you with the steps to proceed with your application.

## Student Loans

At the moment Moringa School loans only apply to **Core students**. Students will be able to apply for the loan for Core in the first week of Prep.

Students can express interest in the loan **during onboarding via a form on the LMS** and our loan partners LEAP will follow-up on next steps.



## Eligibility

To be eligible to receive Financial aid, you must:

- Be above 18.
- Be a citizen or legal resident of Kenya.
- Have a High School Certificate.
- Be enrolled or accepted for enrolment as a regular student in an eligible program at Moringa School.ie. Software Development or Data Science.
- Demonstrate Financial need: In general, there must be documented proof of financial need in the form of bank statements for a specified period and tax returns to qualify for financial aid.

To stay eligible, we recommend:

- Maintain satisfactory academic progress.
- Study Prep and Core without deferring.
- Abide by the policies outlined in the student handbook and have no disciplinary issues.

## What our graduates say...



Moringa school helped me in so many ways, but I think the most important one is the Data Science pipeline (in a nutshell). I am now able to do analysis projects with ease. I am now working for Eneza Education, an ed-tech company as a Business Intelligence Engineer. Yes! I would suggest the course to anyone who would want to pursue Data Science.

**Cecilia Wanja,**  
Eneza Education

When I joined Moringa School, I was quite overwhelmed at first because it's fast paced and it's not like the traditional learning model I was used to. Here we have Technical Mentors who guide you through the curriculum and are there if you need any help. They encourage you to think for yourself, take initiative and they guide you with your own learning pace. See, I'm not a math person but I managed to do this as I'm surrounded by very smart and passionate people who always support me.

Through the support and consistent practice, I have been able to understand the concept of Data Science and apply it in various scenarios. It's actually a very interesting and fun concept as here, we're able to experiment with different, real life data sets.

**Rose Delilah,**  
Moringa School



We are located at **Ngong Lane Plaza,**  
1st Floor, on Ngong Road.

 **Enquiries:** +254 712 293 878

 **admissions@moringaschool.com**

 **www.moringaschool.com**

    **Moringa School**