

# Data Analytics with PowerBI & Excel Course

Part-Time Online Classes



# Introduction

This is a foundational course for individuals eager to dive into Data Analytics with tools such as Power BI, MS Excel, and SQL. Through hands-on exercises, practical examples, and real-world case studies, learners will develop the skills to extract insights, make data-driven decisions, and communicate findings using Excel, Power BI, and SQL.

By the end of the course, learners will acquire the skills for Data Analyst jobs across different industries and be well prepared to sit for Microsoft Data Analyst Associate certification exams.

**The course is ideal for complete beginners with 0 experience in programming.**

## What is Data Analytics?

Data analytics is the process of examining raw data to uncover patterns, trends, and insights that inform decision-making. For professionals, mastering data analytics is crucial as it enhances the ability to make data-driven decisions. Furthermore, proficiency in data analytics increases employability and potential for career advancement, making it an essential skill in today's data-driven industry landscape.

## Why learn Data Analytics?

Mastering data analytics equips professionals with the skills needed to leverage data for strategic advantage in any industry.

- 1 Informed Decision-Making:** Enhance the ability to make data-driven decisions that can improve business strategies and outcomes.
- 2 Competitive Advantage:** Gain insights that can help your organization stay ahead of the competition.
- 3 Efficiency Improvement:** Identify areas for cost reduction and process optimization.
- 4 Market Trends:** Understand and predict market trends to better meet customer needs and preferences.
- 5 Career Growth:** Increase your employability and potential for advancement in the growing field of data analytics.

## Who is this course for?

This course is designed for complete beginners with no prior programming experience interested in Data Analytics.

## What are the course prerequisites?

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|--|--|---|
| 01 Have basic math skills and computer skills.     | 02 Proficiency in English - both spoken and written.   | 03 Must have a desire and curiosity to learn. |
| 04 No prior experience in programming is required. | 05 Must have a computer or laptop with the following specs ( core i5 - i7, 8GB RAM, 500GB memory). |   |

## Course Overview

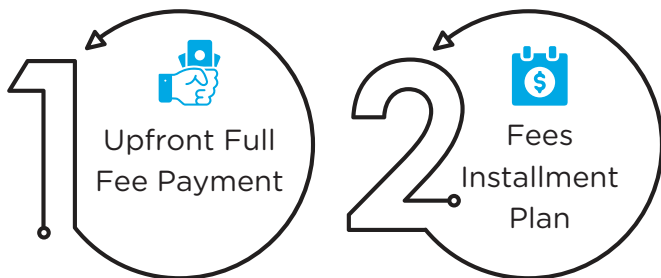
**Course Duration:** 12 Weeks

**Mode of Learning:** 100% live & Online | Part-Time Evening Classes

**Weekly schedule:** Weekdays 6 pm - 9 pm

**Tuition Fees:** Ksh 55,000

## Fee Payment Options Available



# Course Overview

## Week 1

### Orientation & Onboarding

- Course Overview
- System configurations and installations
- Onboarding

## Week 2

### Introduction to Data Analytics

## Week 3

### Data Cleaning in Excel

- Data Quality & Privacy
- Pivot tables and Slicers

## Week 4

### Introduction to Statistics

- Probability basics in Excel
- Hypothesis Testing in Excel
- Sampling in Excel
- Random Variables
- Pivot tables and Slicers

## Week 5

### Dashboarding in Excel

## Week 6

### Introduction to SQL

- Selecting Data with SQL
- Filtering Data with SQL
- Ordering and Limiting Data with SQL
- Grouping Data with SQL
- SQL Table Relations & Subqueries

# Course Overview

## Week 7 Introduction to PowerBI

- What is Power BI
- Power BI components
- Data Cleaning

## Week 8 Health & Wellness Break

## Week 9 Data Modelling & Data Transformation

- Model view in Power BI
- Introduction to Schemas
- Introduction to cardinality and cross-filtering
- Transforming Data with Power BI

## Week 10 Introduction to DAX & Visualizations with Power BI

## Week 11 Dashboarding, Power BI Reports, Deploying and Maintaining Assets

## Week 12 Capstone Project & Exam Prep Period

## Contact Details



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