



# Data Analytics Overview

5 months (20–30 hrs / week)

## What is Data Analytics?

Our programme empowers learners with essential skills and knowledge to excel in data analysis. Data analytics involves systematically analysing, interpreting, and visualising data to optimise processes, enhance customer experiences, and achieve strategic goals for organisations.

## Why Data Analytics?

Becoming a Data Analyst grants you the power to enhance efficiency and elevate company performance by deciphering data patterns. You'll navigate complex datasets, advance programming skills, and utilise them for data manipulation, analysis, and exploration.

## Programme Objectives

- Master data analysis techniques, programming languages, and tools like SQL and Power BI for practical application in various industries.
- Explore ethical considerations in data analytics and ensure compliance with industry standards.
- Gain hands-on experience through projects, workshops, and networking opportunities.
- Receive personalised career support for securing rewarding data analytics roles.
- Stay updated on emerging trends through ongoing professional development.

## Why Choose Us?

### ALX Foundations

Before starting the Data Analytics programme, learners complete our 8-week foundational training, acquiring vital skills like self-awareness, teamwork, communication, and critical thinking, essential for success in tech.

### Problem-Solving Power

Acquire the ability to tackle complex problems by extracting insights from data.

### Certification

The programme awards graduates with a Data Analytics certificate, affirming their expertise and strengthening their credentials.

### ALX Fellowship

Facilitating personal and professional growth by joining ALX Fellowship, a prestigious talent community offering valuable resources and networking opportunities.

# Weekly Foundations Schedule

08 Weeks (20–30hrs / week)

## What is ALX Foundations?

- A career-readiness training module to kick-start your ALX learning journey before moving on to your chosen specialisation.
- Learn exceptional communication, teamwork, and leadership skills that make ALX graduates top picks in the job market.
- Be ready for a real-world career with soft skills that keep you ahead in the rapidly changing tech industry.

## 8 Key Meta Skills

1. **Leading Self**
2. **Leading Others**
3. **Communicating for Impact**
4. **Quantitative Reasoning**
5. **Entrepreneurial Thinking**
6. **Critical Thinking**
7. **Managing Complex Tasks**
8. **Tech Skills**

## Weekly Content

### Week 01

- Getting Started
- Daily 3
- Onboarding & Programme Overview
- The ROOM Fellowship
- Values & Community
- GCGOs for Africa

### Week 02

- Daily 3
- Karibu Lessons
- Values & Empathy
- Exploring African GCGOs
- Self Awareness & Emotional Intelligence
- Growth Mindset & Grit
- Self Regulation & Improvement
- Time Management

### Week 03

- Daily 3
- Habit Formation
- Goal Setting
- Defining Problems & User Stories
- Problem Solving
- Asking the Right Questions
- Research Methodology & Ethics

### Week 04

- Daily 3
- Goal Setting
- Communication for Impact
- Creating Presentations & Technical Writing
- Communication in Tech Teams
- Design Thinking
- Work Planning

### Week 05

- Daily 3
- Problem Definition
- Teamwork Best Practices
- Agile Technology Teams: Roles & Processes
- Research & Data Gathering
- Data Cleaning & Preparation
- Data Visualization
- Identifying Opportunities
- Generating Solutions
- Understanding the Market

### Week 06

- Daily 3
- Understanding the User
- User Interviews
- Wireframes & Prototype
- Human Centered Design

### Week 06 (Cont)

- Teamwork & Team Communication
- Conflict Management & Negotiation

### Week 07

- Daily 3
- Improving on Your Solution
- Product Requirements
- Design Handover Process
- Pitch Preparation
- Powerful Presentations
- Identifying Opportunities
- Personal Brand & Bio
- Career Skills

### Week 08

- Daily 3 Reflection & Commitment
- Elevator Pitch
- Exploring Tech Tracks
- Resume Writing
- LinkedIn Profiles
- Cover Letters
- Interview Skills

# Weekly Specialisation Schedule

## Weekly

Weekly Assessment submission on Tuesdays

## Learning Webinars

Learning Webinars happening every Thursday

## Monthly

- ALX Foundations Milestone submission.
- Self-Placement Reporting.

## Weekly Content

### Week 01 – 02 : Explore 101

- Orientation
- Introduction to data and data analysis
- Problem-solving
- Programmatic thinking

### Week 03 – 05 : Preparing Data

- Introduction to spreadsheets
- Data manipulation
- Introduction to statistics
- Introduction to data modelling



### Week 06 – 09 : Querying Data

- Introduction to SQL
- Relational database design
- SQL in practice
- Data manipulation

### Week 10 – 14 : Visualising Data

- Data in Power BI
- Visuals in Power BI
- Dashboards
- Visual storytelling



# YOUR LEARNING JOURNEY



## Kickstart your career in Tech

85% of learners find a job after 6 months with a certificate of completion.

**LAUNCH**



## By learning from industry experts

Our instructors are fully-vetted with industry experience.

1

## And developing your professional foundations

Get a professional portfolio and skills for better employability.

## Gaining work ready skills

Learn up-to-date tech innovations with real-world projects.

2

3

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## In a state-of-the-art learning environment

Network, collaborate and co-work with peers online or offline.



## With support from your peers.

Our alumni get access to our Fellowship community and events.

5

# GET STARTED

apply now

6





# 2024 Calendar

Programme - Cohort #	Application Deadline	Onboarding Starts	Programme Starts
Data Analytics - C3	27 Feb	11 Mar	18 Mar
Cloud Computing - C3	27 Feb	11 Mar	18 Mar
Salesforce Administrator - C3	27 Feb	11 Mar	18 Mar
Back-end Web- C1	27 Feb	11 Mar	18 Mar
Front-end Web - C1	27 Feb	11 Mar	18 Mar
Data Analytics - C4	21 May	10 Jun	17 Jun
Cloud Computing - C4	21 May	10 Jun	17 Jun
Salesforce Administrator - C4	21 May	10 Jun	17 Jun
Back-end Web- C2	21 May	10 Jun	17 Jun
Front-end Web - C2	21 May	10 Jun	17 Jun





# Frequently Asked Questions

## **What is the criteria for being accepted?**

Accepted applicants are evaluated based on their entire application, including assessment scores and essay responses. While the outcome may not always meet expectations, we encourage self-reflection, identifying areas for improvement, and ongoing skill development. For future programme applications, please revisit our website during the next cycle.

## **I applied and received confirmation, but I haven't received an acceptance letter.**

The confirmed button in your email indicates your acceptance.

## **Are there any fees apart from the administration fee?**

The tuition fee for our programmes starts at \$7500. For sponsored applicants, this fee is waived, and only the administration fee is required.

## **I want a waiver or scholarship, and I am unable to pay the administration fee.**

Regrettably, we cannot accommodate this request presently. The administration fee supports programme access, study materials, community engagement, networking, and certification. Paying it demonstrates commitment and ensures access to all resources and support for success.

## **How do I make payment?**

All payments can be made via the admissions portal.

## **I accidentally dropped a programme, and now I can't continue the application.**

Unfortunately, dropped applications cannot be continued. You will need to apply to another programme or use a different email address.

