



DATA ANALYST PART-TIME

Start your Analytics Journey with Us

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Why Data Science?

Data Science is a thriving and rapidly growing field. There is a clear consensus that every professional/student should probably have some basic data science skills, i.e., data literacy. As industries and businesses generate more data, professionals need the skills to analyze, pull hidden patterns and insights from data and communicate these results with visualizations and statistics. Anywhere you have enough data, you can use data science to accomplish things that seem like magic to the casual observer.

In this regard, the Azubi Africa Data Analyst Professional Program will build in you the essential skills to secure a job as a Data Scientist. Still, you can also consider a position in the following related positions:

- **Business Intelligence Professional**
- **Business Analyst**
- **Data Scientist (Data Analyst)**
- **Data Engineer (Data Architect)**
- **Machine Learning Engineer**



Program Overview

This program introduces quantitative methods to analyze data and make better management decisions. This **9-month course** takes a project-based approach to build competency in critical tools to improve your analytical toolset. You will also enhance your ability to apply course concepts to solve problems. You will focus heavily on acquiring relevant skills during the first 16 weeks. Afterward, you will build yourself the project portfolio that will get you into a job.

The program includes:

- Basic Excel and an introduction to Statistics
- Hypothesis Testing and Data Visualization with Excel
- Working with Relational Databases using Structured Query Language
- Data Visualization with Tableau
- Power Query and Introduction to Power BI
- Python Fundamentals (Syntax, Data Structures, Functions, Methods and Modules)
- Predictive Analytics with Python (working with NumPy and Pandas, Data Visualization with Matplotlib, APIs and SQL Selection with Python and, Introduction to Machine Learning)
- Building Supervised Learning Projects with scikit-learn
- Learn Presentation techniques to share conclusions about approach and analysis to key stakeholders

When and where does the course meet?

All instruction is held within the Azubi training platform. The Data Analyst Program is a **40-week instructor-paced program** requiring you to be available for **25 hours per week**.

PROGRAM OVERVIEW



PHASE 1: Learning


Analytics with Excel, Data Querying and Dashboarding, Analytics with Python



PHASE 2: Projects

Six Projects in Six Sprints

Curriculum

Section	Module	Week	Key Concepts
 Phase 1: Learning	Analytics with Excel Crash course	4 weeks	<ul style="list-style-type: none"> • Excel for Analytics • Data Visualization with Excel • Statistical Inferences with Excel • Predictive Analytics with Excel
	Data Querying and Dashboarding	4 weeks	<ul style="list-style-type: none"> • Database Primer: An Introduction • Even more Databases • Building interactive dashboards with Tableau • Building interactive dashboards with Power BI
	Analytics with Python	8 weeks	<ul style="list-style-type: none"> • Introduction to Python, Data Structures, Functions and conditionals statements. • Data Visualization and Analysis with Python using Pandas, NumPy and Matplotlib • APIs and SQL Selection with Python • Introduction to Machine Learning • Regression Analysis with Python • Classification Analysis with Python

Curriculum

Section	Module	Week	Key Concepts
 Phase 2: Data Projects	A Data Analysis Project	17-20	Conduct descriptive analysis (data cleaning and dashboarding) to extract valuable insights.
	Customer Churn Prediction Project	21-24	Develop strategies to forecast and mitigate customer attrition through analysis and predictive modeling.
	Time Series Analysis Project	25-28	Discover trends and forecast sales data for a Grocery Store using time series techniques
	Embedding ML models in Gradio and Streamlit Project	29-32	Create interactive Machine Learning apps using Streamlit and Gradio frameworks for users to interact with your model
	Sentiment Analysis Project	33-36	Utilize Hugging Face Pre-trained models to perform Natural Language Process on Text Data
	Building Machine Learning APIs with FastAPI	37-40	Create a machine learning back-end using the FastAPI framework and integrate it with a front-end

Program Schedule

TIME		WEEKLY TIMETABLE				
(GMT)	(EAT)	MON	TUE	WED	THU	FRI
9:00 AM	12:00 PM	Contact hours	Contact hours		Contact hours	
12:00 PM	3:00 PM					
2:00 PM	5:00 PM	Contact hours				
5:00 PM	8:00 PM	Faculty Touchpoint B (Option 2) Career Sessions // Curriculum Deep-dive				

DAILY SELF-STUDY MINIMUM REQUIREMENTS (Monday - Friday):
 ADDITIONAL 2 hours on average
WEEKLY QUIZES EVERY WEEKEND

Why Azubi Africa?

The skillset of a Data Analyst is in demand at an all-time high. Companies use data a lot in decision making, having the skill to extract useful information from large amounts of data and integrate this into improving the business and solving challenges with data.

Are you looking to land a well-paid remote job in data analytics? Then this program is for you. By joining the Azubi Data track program, you will gain skills that will make you stand out in the job market with lessons from our experienced tutors and mentors while also working on projects that give you experience with real-life situations.

The opportunities are endless when it comes to data analysis; the best part is that you can equally work remotely from anywhere in the world. If you are considering a career change, recently graduated from college, or are a mid-career IT professional, you can register for the data track program.

We have designed a system that is tailored to your needs

- 1 Instructor-led classes
- 2 Real work experience
- 3 Personalized career support
- 4 Success-based tuition



Your next steps

We strongly believe in providing everyone with access to quality education. That's why we offer two financing options designed not simply from a financial standpoint but also selected for their career potential - giving you the best chance of success!

Therefore, the Data Analytics program has two tuition models – the monthly payment structure and the income share agreement.

1. **Monthly Payment:** This option is ideal for professionals with a monthly income of more than €600
2. **Income Share Agreement:** Excellent opportunity for young professionals looking to advance their career

Learn, Earn & Pay back

Read more about our tuition fees and how to finance your education through an income share agreement & monthly payment schedules

[Tuition Fees](#)

Apply Today

Start your application for our Data Analytics program and advance your Tech career with Azubi Africa today!

[Apply Now](#)



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