



# DATA SCIENCE BROCHURE

*Become a certified Data Scientist*



# PROGRAM OVERVIEW

➔ Saturday Live Classes for 6 months

➔ Weekly Drop-In Support Sessions

➔ Mentorship Sessions

➔ LinkedIn and Upwork Optimization

➔ CV Review



➔ Navigating the Job Market Sessions

➔ Interview Preparation

➔ 2-Month Internship

➔ Portfolio Building

➔ Post-Training Support



• Job Readiness Coaching



# WHY CONSIDER DATA SCIENCE?




In a world producing 402 million terabytes of data daily, the ability to translate noise into strategy is the ultimate competitive advantage. By learning Data Science, you transition from a spectator of the digital revolution to its architect. You gain the power to influence any industry—from healthcare to finance—by unlocking the high-value stories hidden within raw numbers.

With a projected 34% job growth over the next decade, this field offers unmatched career resilience. Rather than being replaced by AI, you become the person who builds and directs it. You move beyond simply describing the past to engineering predictive models that forecast the future, bridging the gap between raw computational power and strategic innovation.

Ultimately, Data Science makes you the most persuasive person in the room. By replacing "gut feelings" with evidence-based certainty, you gain the unique ability to distill complex problems into clear narratives that drive executive decisions. This is your opportunity to move beyond spreadsheets and build the intelligent engines that run the modern world.

# REQUIREMENTS



**01**

**Duration**  
8 Months



**02**

**Internship**  
8 Weeks



**03**

**Skill Level**  
Beginner to  
Master



***Stop waiting for  
the perfect time—  
your career  
rewards action,  
not excuses.***



# OUR CURRICULUM



A decorative frame surrounds the central text. It includes a wavy line and three dots at the top left, a plus sign at the top right, a square at the middle right, three 'x' marks and a vertical line at the middle left, and three 'x' marks at the bottom right. A small circle is at the bottom left of the frame. The text 'DATA SCIENCE' is centered in a large, bold, black sans-serif font.

# DATA SCIENCE

An orange banner with a black outline and pointed ends, containing the word 'MODULE' in bold black capital letters.

**MODULE**



# MODULE 1 — Python for Data Science (Foundations to Intermediate)



Everything in Professional Tier **PLUS**:

- Object-Oriented Programming (OOP)
- Python for automation
- Virtual environments
- Working with APIs
- Advanced error handling
- Writing efficient Python code

# MODULE 2 — Advanced Data Cleaning & Feature Engineering



- Handling complex datasets
- Advanced missing value imputation
- Encoding categorical data
- Feature scaling & normalization
- Outlier detection techniques
- Feature creation for ML
- Data pipelines (intro)
- Comprehensive feature engineering project

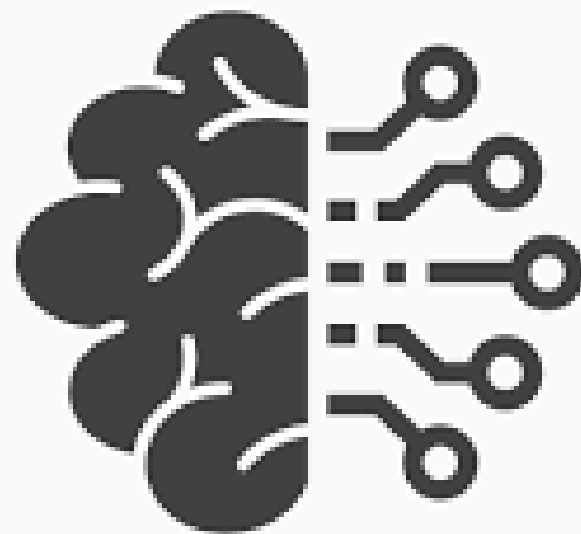


# MODULE 3 — Statistics & Probability for Machine Learning (Advanced)



- Bayesian thinking
- Maximum likelihood estimation
- Central Limit Theorem (applied)
- Regression assumptions & diagnostics
- Multicollinearity & VIF
- A/B testing (industry-focused)
- Statistical modeling techniques
- Hands-on statistical projects

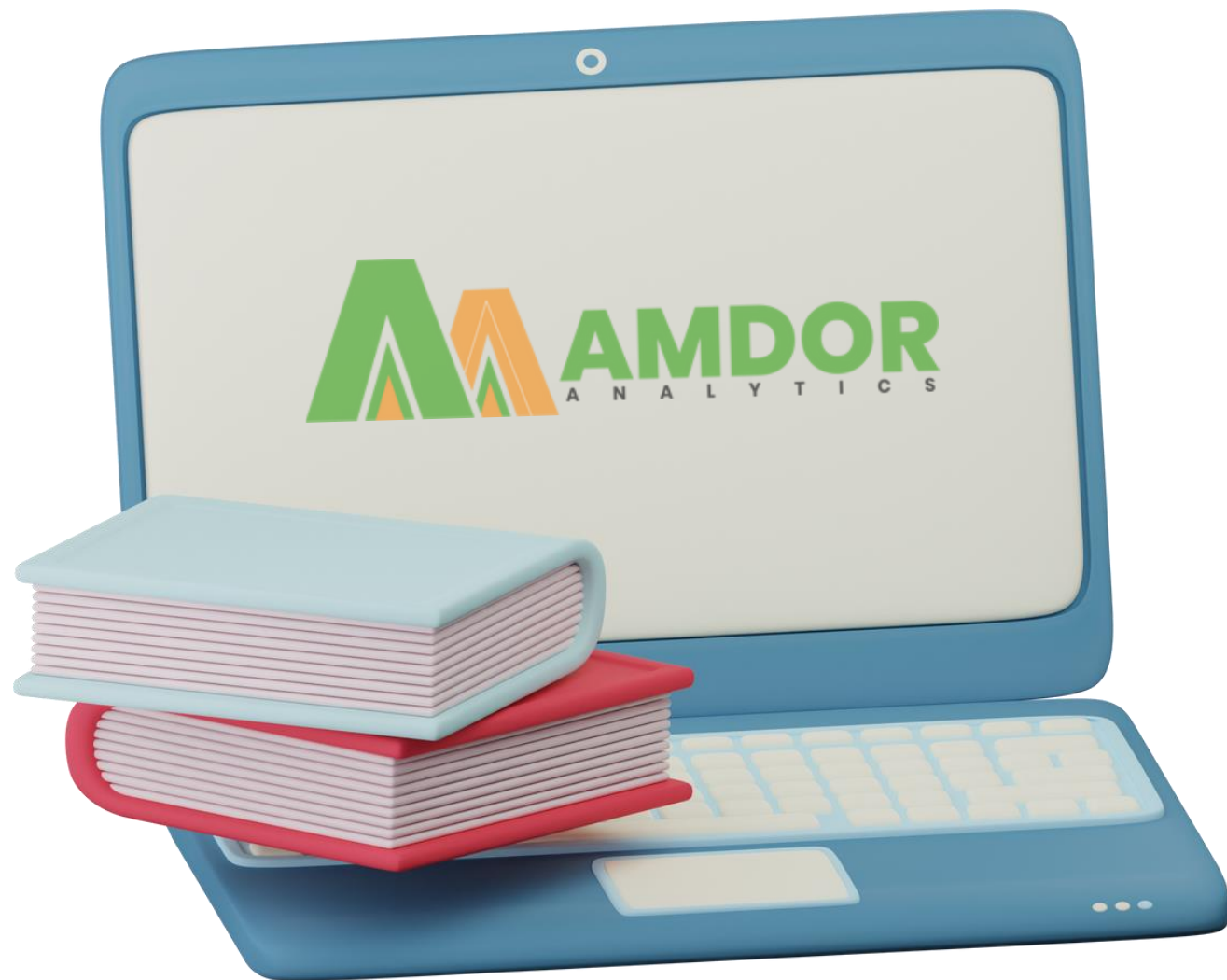
# MODULE 4 — Machine Learning (Advanced)



MACHINE  
LEARNING

- Regularization: Lasso, Ridge, ElasticNet
- Decision Trees (advanced)
- Ensemble Models: Random Forest, Gradient Boosting, XGBoost
- Hyperparameter tuning (GridSearchCV, RandomizedSearchCV)
- Model interpretability (SHAP, LIME)
- Handling imbalanced datasets
- ML project: predictive modelling

# MODULE 5 — Unsupervised Learning (Advanced)



- Clustering (K-Means++, DBSCAN, Hierarchical)
- PCA & dimensionality reduction
- Anomaly detection
- Recommendation systems introduction
- Unsupervised ML project



# MODULE 6 —Intro to Data Engineering for Data Scientists



**(Designed to prepare learners for AI Engineering progression.)**

- Introduction to data pipelines
- ETL concepts
- Working with large datasets
- Introduction to cloud platforms (AWS/GCP/Azure)
- Using Python with cloud storage
- Big Data concepts (Spark overview)
- Real-world ETL mini-project

# MODULE 7 — Model Deployment & MLOps (Foundations)



- What is MLOps?
- Saving and packaging ML models
- Deploying models using Flask/FastAPI
- Introduction to Docker
- Monitoring deployed models
- CI/CD overview

# MODULE 8 — Capstone Project (Advanced)



- Full end-to-end Data Science Case
- Comprehensive model development
- Deployment (optional)
- Technical + business presentation
- Portfolio-ready project



# Industries That Employ Data Scientist

**Technology and Software Companies**

**Finance and Banking**

**Healthcare and Pharmaceuticals**

**E-commerce and Retail**

**Telecommunications**

**Manufacturing and Production**

**Energy and Utilities**

**Government and Public Sector**

**Education and EdTech**

**Media & Entertainment**



# WHY TRAIN WITH



**Practical, Job  
Ready Training**



**Industry-  
Standard Tools &  
Technologies**



**Expert Instructors  
With Real  
Experience**



**Personalized  
Mentorship &  
Support**



**Flexible and  
Beginner-Friendly**



**Certification That  
Boosts Your CV**



**Career Guidance  
& Portfolio  
Development**



**Supportive  
Community**

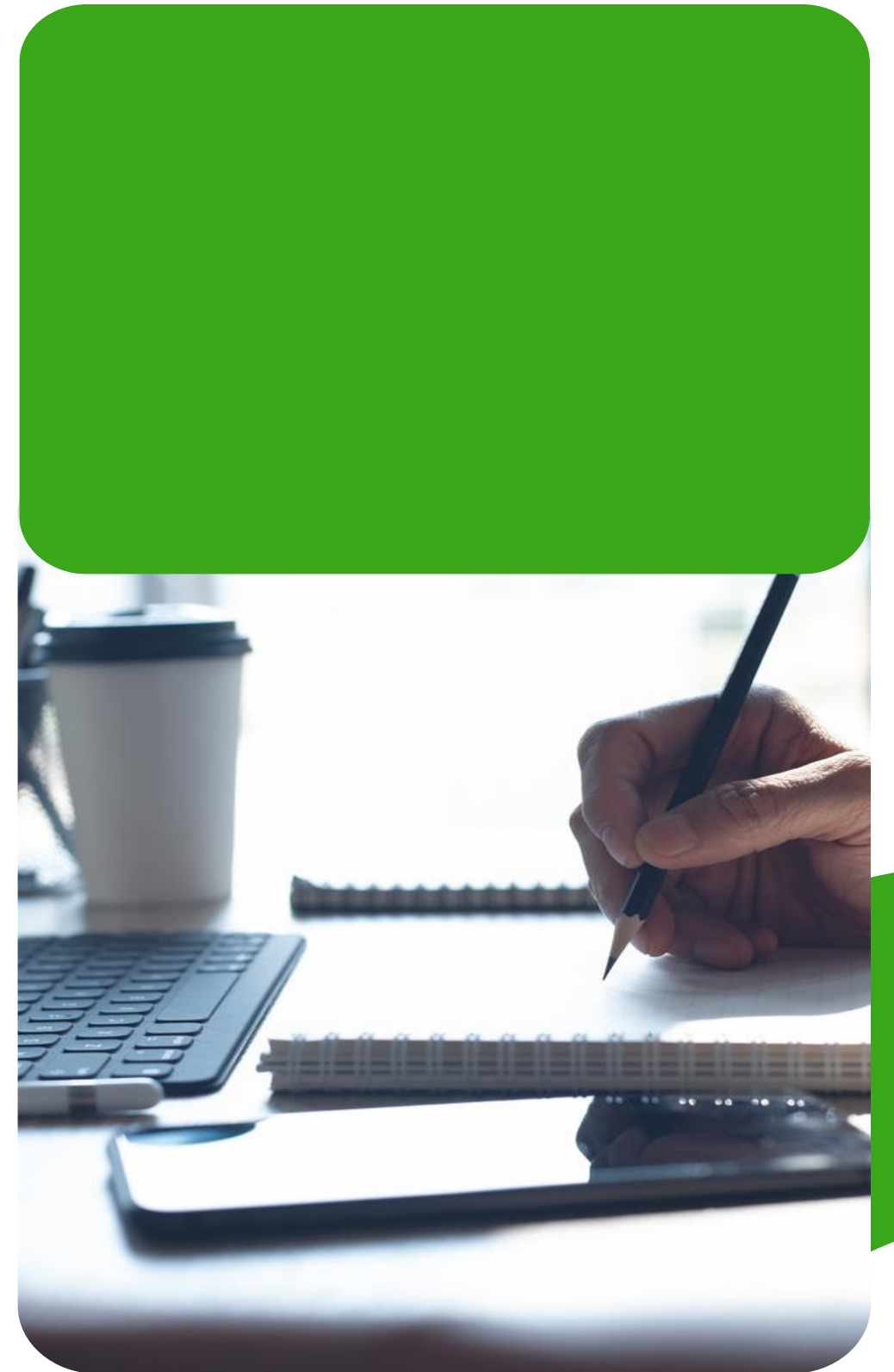


**Proven Success  
Stories**



**Affordable  
Quality Training**

# Real world case studies





# GROWTH INTERNSHIP PROGRAM



# JOIN OUR NEXT COHORT



# 2026 TRAINING CALENDER



**January**  
**10**  
Saturday

**February**  
**14**  
Saturday

**March**  
**14**  
Saturday

**April**  
**11**  
Saturday

**May**  
**09**  
Saturday

**June**  
**13**  
Saturday

**July**  
**11**  
Saturday

**August**  
**08**  
Saturday

**September**  
**12**  
Saturday

**October**  
**10**  
Saturday

**November**  
**14**  
Saturday

**December**  
**12**  
Saturday



# PROGRAM FEES

# Testimonial

The following are genuine testimonials that we have received from our past students who have proven the benefits of the services we have provided to them.



**Sodiq**



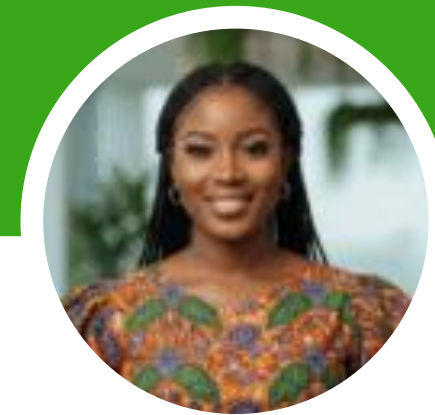
I've attended other online classes before, but Amdor Analytics stands out for me. The facilitator is engaging, the sessions are practical, and the support team is responsive. I feel like I'm part of a real community that wants me to succeed. I'm happy I made this choice



**Chinasa Fabian-Ijeruh**



Before joining Amdor Analytics, I had no prior tech background. Now, I can confidently analyze data and build reports. The facilitator is very supportive and always encourages us to practice. The training has made me believe that anyone can learn tech if they're in the right environment.



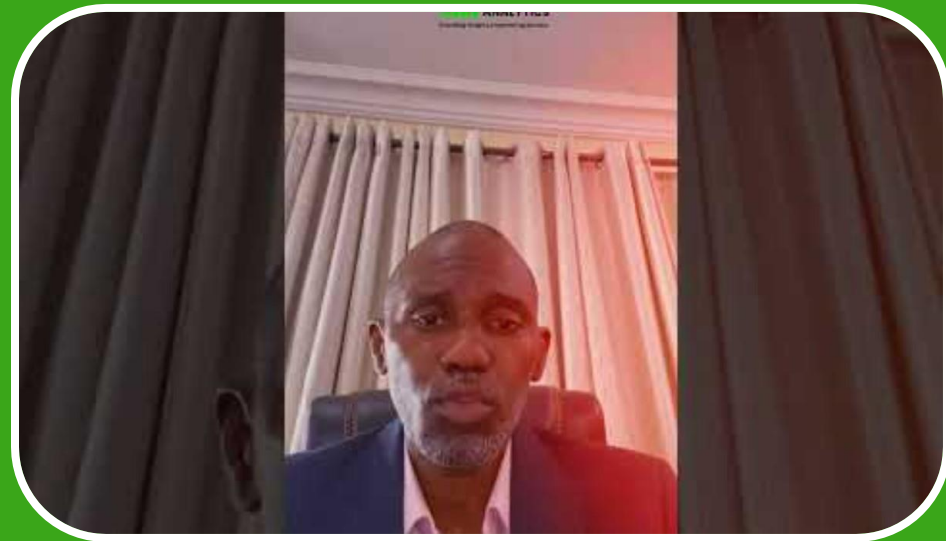
**Chidimma Uzochukwu**



It's been an eye-opening experience learning at Amdor Analytics. The way the facilitator breaks down each lesson into relatable examples makes learning easy. Even though the pace is fast sometimes, the explanations are clear, and the resources provided are excellent. I'm really grateful for this opportunity.

# Testimonial

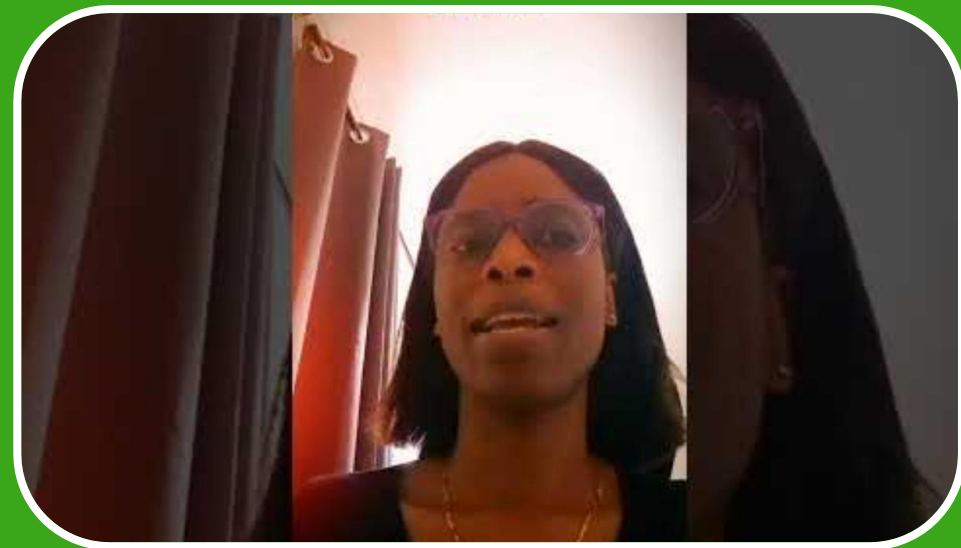
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# Testimonial

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# CONTACT US



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