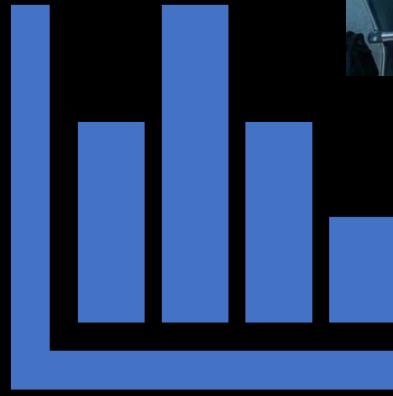




# Cohort 2.0 Fellowship Virtual Kickoff



Google Research

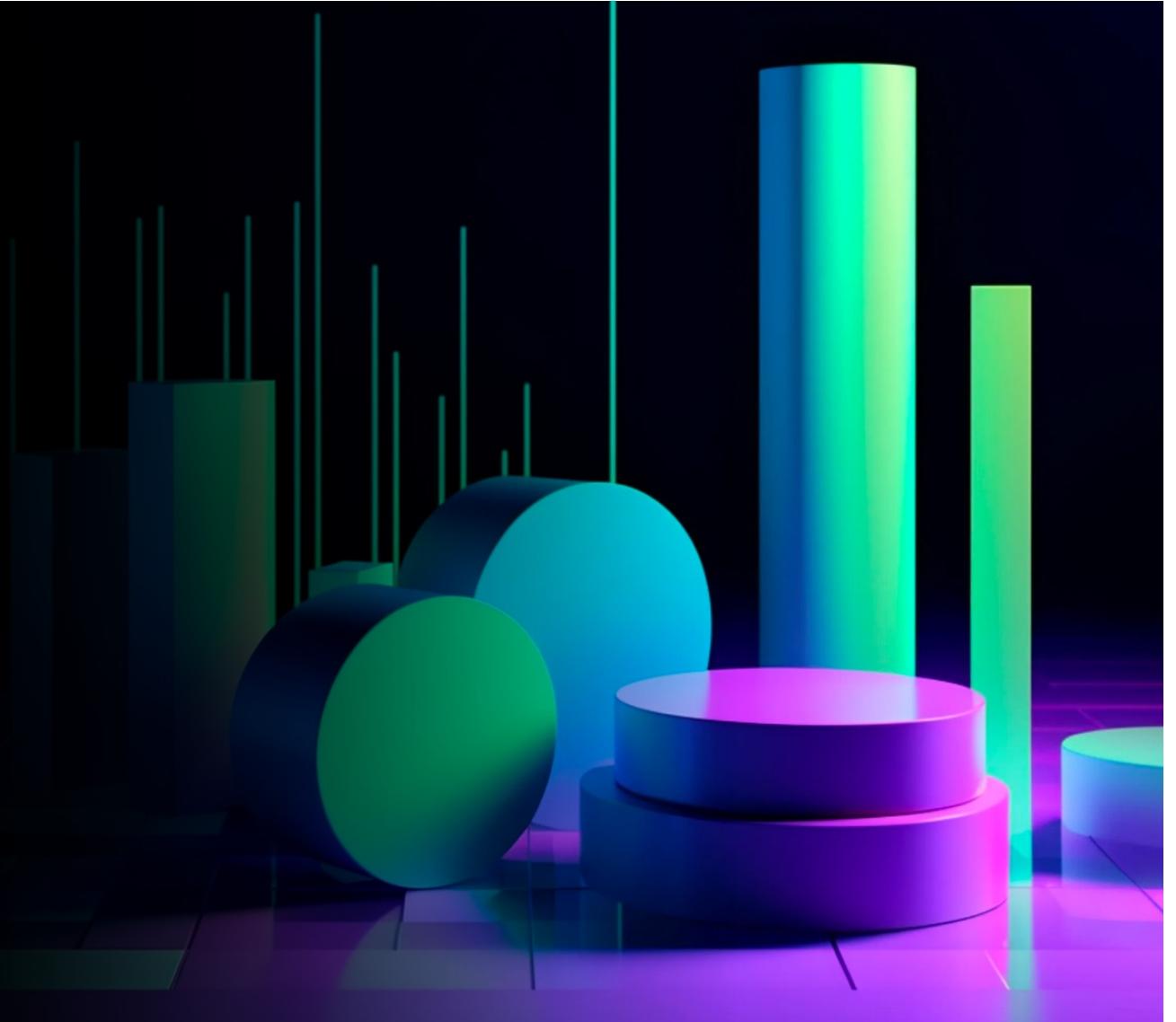




“Data is the new oil”



Data Science and Machine Learning are transforming industries, enabling data-driven decision-making in an increasingly complex and interconnected world.



# Who are we



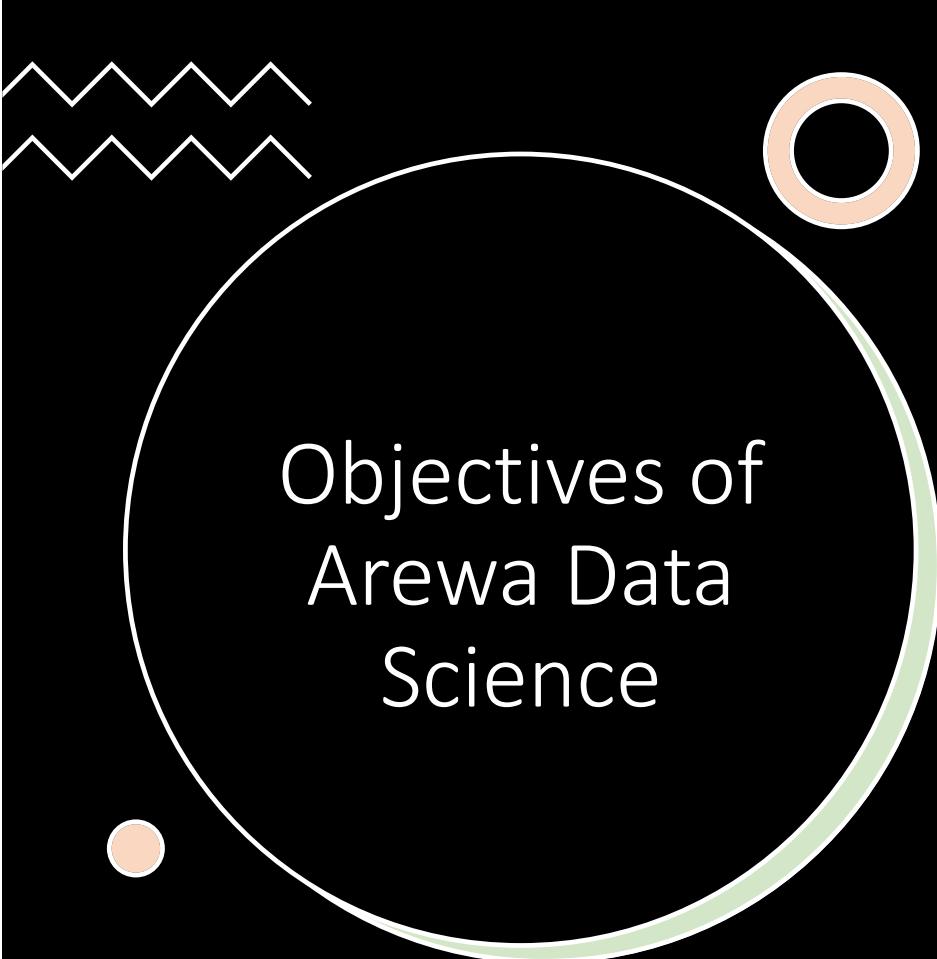
A community of educators, learners and data science enthusiasts with a passion for empowering marginalized students to reach their full potential.



Our core mission is to provide **free data science** training and skills needed to succeed in the rapidly evolving field of data science.



We also offer seminars and workshops on data science, machine learning and related fields.



## Objectives of Arewa Data Science

- Learning key tips on how to learn new skills and knowledge.
- Learning basic data science and machine learning skills
- Learning key tips for conducting research
- Mentorship



# Arewa Data Science Team



**Ibrahim Said Ahmad**  
Lecturer BUK  
Postdoctoral Research Fellow,  
Northeastern University, USA



**Idris Abdulkumin**  
Lecturer ABU  
Idris Abdulkumin  
Postdoctoral Fellow, University of  
Pretoria



**Shamsuddeen Muhammad**  
Lecturer BUK  
Google DeepMind Academic Fellow,  
Advanced Research Fellow, Imperial  
College London

# Mentors



**Mentors++**

# Free Data Science Fellowship

Application to join cohort 2.0 is now closed but you can join our Telegram group for updates: [click to join!](#)



A 16-week, free hands-on data science, machine learning and deep learning training program.

[ABOUT](#)

Keep up with the latest news and expert insights from our talented mentors and fellows.

[NEWS/BLOG](#)

Our mentors are top researchers from renowned universities and labs worldwide.

[MENTORS](#)

Meet the Arewa Data Science 2023 Successful Fellows.

[FELLOWS](#)

Explore our fellows research project, guided by our mentors.

[PROJECTS](#)

Get in touch. Join us as a mentor

[CONTACT](#)

## Subscribe

Sign up for exciting updates from Arewa Data Science Academy

Email

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# Cohort 1.0







# The Journey

**Python:** 30 days of Python.

**Data Science Fundamentals:** Dive deep into the world of data, understanding its intricacies and power.

**Machine Learning:** Harness the potential of algorithms to make data-driven decisions.



# Success Story: Cohere AI Hackathon



# AI Hackathon: Arewa Data Science Academy wins \$800 prize



by Admin — 15 May 2023 in News, Science, Technology

0



Arewa Data Science Academy



**Lukman Aliyu**



**Fatima Muhammad**



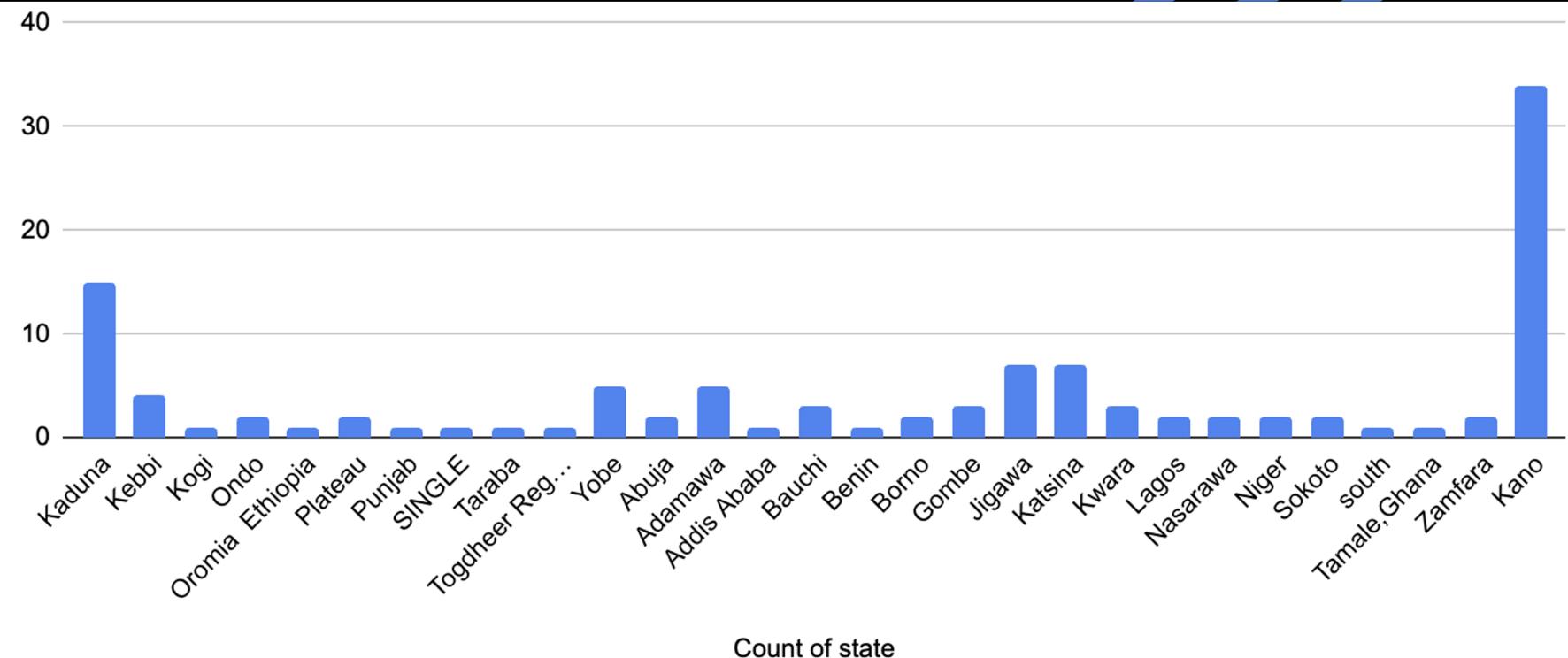
**B.M. AbdulJalil**

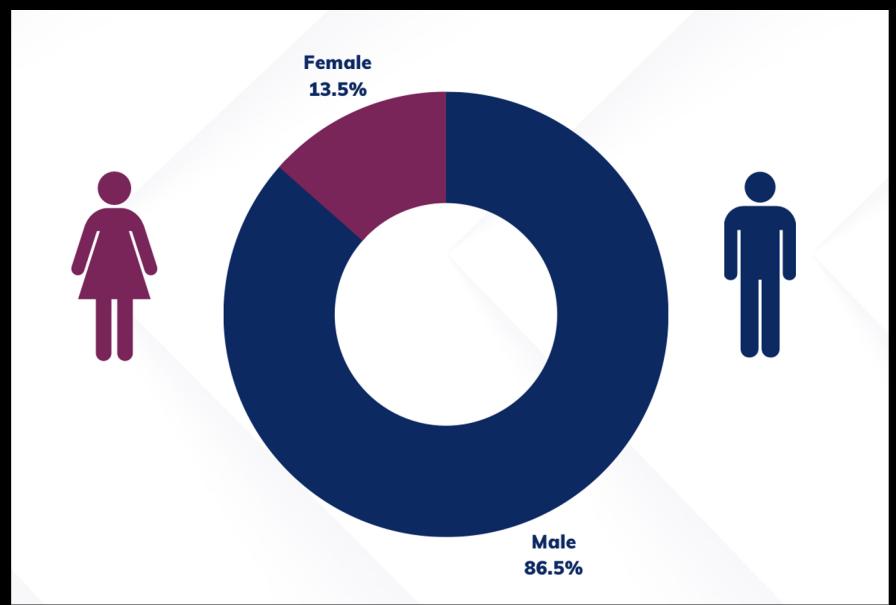


**AA Khalid**

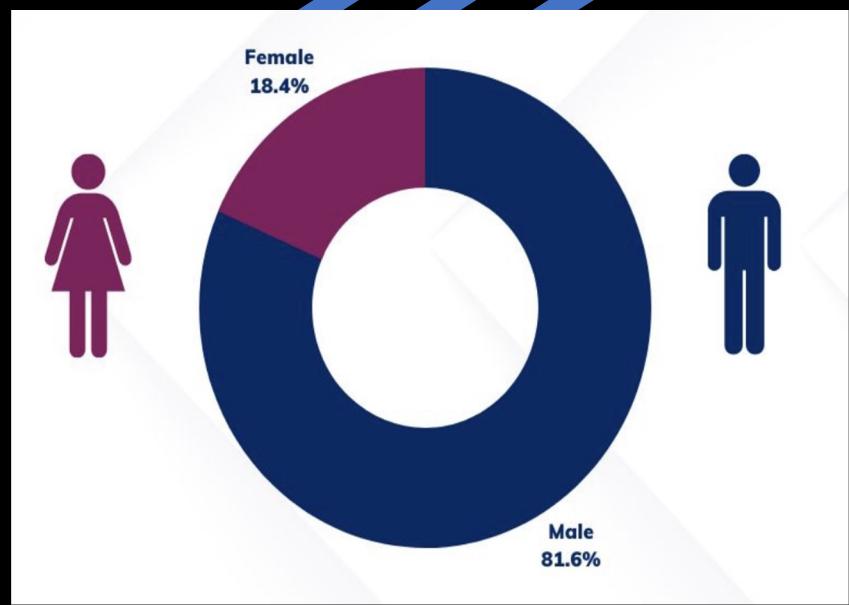


**Cohort 2.0**





Cohort 1.0



Cohort 2.0

# Curriculum





## Our Promise

### From Ground Zero to Expertise

- We believe in the potential of every individual.
- Our program is designed to take you from a beginner to an expert.
- Comprehensive curriculum, hands-on projects, and mentorship.



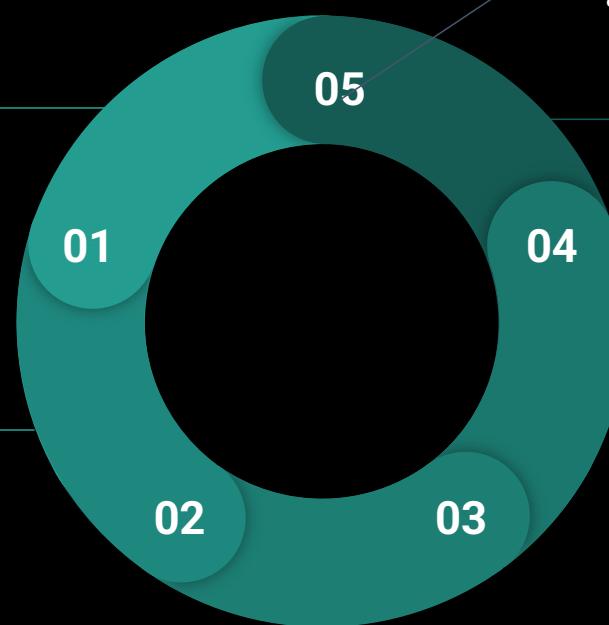
# Fellowship Structure

## Learning How to Learn

First month dedicated for a course of best practices for learning.

## 30 Days of Python

To cover basic python, data science with python, GIT and GitHub, Bash etc



## Machine Learning Python and Sklearn

Learn machine learning with Sklearn python library. **Kaggle competition**

## Group Project

Writing in science, scholarship guide, CV, recommendation letter, graduate application tips, statement of purpose etc

Data Analysis, Data Visualization, Data cleaning, Data Scraping



# Learning How to Learn: Powerful mental tools to help you master tough subjects

Taught in English | [8 languages available](#) | Some content may not be translated

**Enroll for Free**  
Starts Nov 3

Financial aid available

**3,638,678** already enrolled

**4.8 ★**

(87,873 reviews)

**Beginner level**

No previous experience necessary

**Approx. 15 hours to complete**

3 weeks at 5 hours a week

## Course

Gain insight into a topic and learn the fundamentals



Instructors: [Barbara Oakley](#) [+1 more](#)

**PLUS** [Included with Coursera Plus](#)



# Arewa Data Science Academy

DEMOCRATIZING DATA SCIENCE FOR EVERYONE AND FREE!

<https://arewadatascience.github.io>

---

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example

 Arewa Data Science 30 Days Of Python  



# Why the Python Again?

- Lays the foundation for advanced topics.
- Ensures everyone starts with a strong base.
- Demonstrates your dedication to learning and growth.





# Arewa Data Science Academy

DEMOCRATIZING DATA SCIENCE FOR EVERYONE AND FREE!

visit our website here: <https://arewadatascience.github.io>

## Arewa Datascience Machine Learning for Beginners ↗

Arewa Datascience presents this 10-week online course, as part of the Arewa Datascience Fellowship. In this curriculum, you will learn about **classical machine learning**, using pandas and Scikit-learn libraries. The curriculum does not include deep-learning, as it is anticipated to be covered in the future (second cohort).

# Stanford

## Writing in the Sciences

 Taught in English | [8 languages available](#) | Some content may not be translated

**Enroll for Free**  
Starts Nov 3

Financial aid available

**466,633** already enrolled

**4.9 ★**  
(8,065 reviews)

**Beginner level**  
No previous experience necessary

**Approx. 30 hours to complete**  
3 weeks at 10 hours a week

**Flexible schedule**  
Learn at your own pace

### Course

Gain insight into a topic and learn the fundamentals



Instructor: [Dr. Kristin Sainani](#)

# Certificates

# Stanford | ONLINE

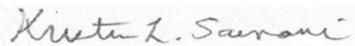
20-Jul-2023

## Abubakar Khalid Auwal

has successfully completed

### Writing in the Sciences

an online non-credit course authorized by Stanford University and offered through Coursera



Kristin L. Sainani  
Kristin Sainani, PhD  
Associate Professor  
Health Research and Policy

### COURSE CERTIFICATE



Verify at:  
[coursera.org/verify/FTXT9BJCWLVY](https://coursera.org/verify/FTXT9BJCWLVY)

Coursera has confirmed the identity of this individual and their participation in the course.



## *THIRTY DAYS OF PYTHON*

CERTIFICATE OF COMPLETION

PRESENTED TO

# FATIMA MUHAMMAD ADAM

A handwritten signature in black ink, appearing to read "Fatima Adam".

Coordinator

24 MARCH 2023

Date

Google Research

ADS-23-PY-016

# Stanford | ONLINE

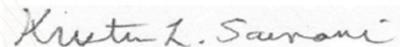
20-Jul-2023

## Abubakar Khalid Auwal

has successfully completed

### Writing in the Sciences

an online non-credit course authorized by Stanford University and offered through  
Coursera



Kristin L. Sainani  
Associate Professor  
Health Research and Policy

### COURSE CERTIFICATE





in collaboration with  Research

## CERTIFICATE OF PARTICIPATION

This #exploreCSR certificate is presented to

# *Mubarak Daha Isa*

for successfully completing a four-month intensive training on **Data Science and**

**Machine Learning** offered by the Arewa Data Science Academy Fellowship.



## Fellowship Overview

- Weekly Virtual sessions (Saturday and Sunday).
- Fellows will be pair with mentors
- Interaction with mentors on Telegram

# Projects

"You don't learn to walk by following rules. You learn by doing, and by falling over." - Richard Branson

## List of Projects Completed by ArewaDS Fellows

S.No	Name of Fellow	Project Github repo	Blog/Medium
1	Lukman Aliyu Jibril	<a href="#">project</a>	<a href="#">Medium</a>
2	Auwal Abubakar Khalid	<a href="#">project</a>	<a href="#">Medium</a>
3	Yusuf Faridah Musa	<a href="#">project</a>	<a href="#">Medium</a>
4	Fatima Muhammad Adam	<a href="#">project</a>	<a href="#">Medium</a>
5	Bala Mairiga Abduljalil	<a href="#">project</a>	<a href="#">Medium</a>
6	Mohammed Nasiru	<a href="#">project</a>	<a href="#">Medium</a>
7	Babangida Sani	<a href="#">project</a>	<a href="#">Medium</a>
8	Abdulkarim Muhammad Baba	<a href="#">project</a>	<a href="#">Medium</a>
9	Faisal Muhammad Adam	<a href="#">project</a>	<a href="#">Medium</a>
10	Mubarak Daha Isa	<a href="#">project</a>	<a href="#">Medium</a>
11	Muhammad Ibrahim Isah	<a href="#">project</a>	<a href="#">Medium</a>
12	Abubakar Labaran Salisu	<a href="#">project</a>	<a href="#">Medium</a>



Hi 🙌 My name is Lukman Aliyu Jibril

**Pharmacist and Data Scientist**

My interest in integrating AI into my practice has propelled my current projects.

- I live in Kaduna, Nigeria.
- You can contact me at [lukman.j.aliyu@gmail.com](mailto:lukman.j.aliyu@gmail.com)
- I'm learning IBM AI Engineering Professional Certificate Science Academy's Deep Learning with PyTorch fellowship
- I'm open to collaborating on projects related to improving health outcomes.
- I blog on [medium](#) and I also have a preferred quarto [blog](#), where I write about:
  - Reinforcement Learning Unleashed: Exploring Key Concepts
  - Solving the FizzBuzz Problem: Eight Creative Solutions in R, Python, and JavaScript
  - Understanding Linear Regression: Predicting Continuous Outcomes
  - Python Data Visualization: Exploring Data with Pandas, Matplotlib, and Seaborn
- I enjoy stargazing and contemplating the essence of creation.

**Skills**

JS R Python D S Q

# Lukman Aliyu

Home About

Pinned

**Python Data Visualization: Exploring Data with Pandas, Matplotlib, and Seaborn**

Data visualization is a crucial aspect of data analysis as it helps in understanding data better. Python provides several libraries for data...

Python 5 min read

**U-Net Architecture: Revolutionizing Computer Vision Through Innovative Image Segmentation**

Introduction In the dynamic world of computer vision, where innovation is key, few architectures have made as profound an impact...

Cnn Model 5 min read

**Mastering Analysis of Variance (ANOVA) in R: A Practical Guide**

Aug 28

Aug 14

Lukman Aliyu  
38 Followers

Pharmacist enthusiastic about Data Science/AI/ML Fellow, Arewa Data Science Academy

Following

Following

Surayyah Ahmad  
M.G. Siegler  
ODSC - Open Data Science  
Dr. Roi Yehoshua  
Alex Kantrowitz

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**Auwal Abubakar Khalid**  
khalidassalafy

Follow

Graduate of Computer Science,  
Usmanu Danfodiyo University, Sokoto |  
Fellow of Arewa Data Science  
Academy | Interested in Data Science  
and NLP.

14 followers · 12 following  
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khalidassalafy / README.md

## Hi My name is Abubakar Khalid

I'm a graduate of Computer Science specializing in Natural Language Processing.

I'm currently a fellow of Arewa Data Science Academy | Interested in Data Science and NLP.

- I'm based in Kano.
- You can contact me at [khalidassalafy@gmail.com](#).
- I'm learning Deep Learning with TensorFlow.js.
- I'm open to collaborating on Machine Learning projects.
- I blog on [Medium](#). Below are some of my posts:
  - [Introduction to Time Series Forecasting](#)
  - [Sentiment Analysis with NLTK](#)
  - [NLP with TextBlob](#)
  - [Data Preparation with Pandas](#)
  - [How to Create PIP Virtual Environments](#)
  - [Web Scraping with BeautifulSoup](#)

### Certifications

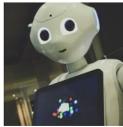
- [Data Science and Machine Learning Specialization](#) - Arewa Data Science Academy Fellow
- [Issued July, 2023](#)
- [Click here to see the credential](#)
- [Python Programming: Google Research Fellow](#)

# Abubakar Auwal Khalid

Home About

Jul 16

## Reinforcement Learning (RL): An Introduction

What is Reinforcement Learning (RL)? It is basically the concept where machines can teach themselves depending upon the results of their own actions. It is a type of machine learning technique where a... 

2 min read  ...

Jul 14

## Time Series Forecasting: Fundamentals and Data Exploration

Introduction Time series forecasting is an important area of machine learning that is often neglected. It is important because there are so... 

6 min read  ...



**Abubakar Auwal Khalid**  
35 Followers

Graduate of Computer Science, Usmanu Danfodiyo University Sokoto | Fellow of Arewa Data Science Academy | Interested in Data Science and NLP

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- Salvatore Raieli
- Matt Chapman
- Youssef Hosni
- Mori
- Towards AI Editorial Team

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**Faridah Yusuf**

Fareeyda · she/her

Unfollow

A Data Analyst trainee, with a bachelor's degree in Statistics from Usman Danfodio University Sokoto, and currently a fellow @arewa Data Science Academy

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04:03 - 12h behind

waziriphareeyda@gmail.com

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Fareeyda / README.md

## Hi My name is Faridah Yusuf

### A data analyst trainee and a data scientist Data Science Academy

I have a passion for data analysis and machine learning and h...

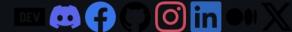
- I'm based in Abuja, Nigeria
- You can contact me at [waziriphareeyda@gmail.com](mailto:waziriphareeyda@gmail.com)
- I'm learning Reinforcement Learning and Time Series
- I blog on [Medium](#) below are some of my posts:
  - [Reinforcement Learning: The Key to Solving Complex...](#)
  - [Why Julia is the Future of Data Science](#)
  - ["Introduction to Pandas for Statistical Analysis in Pyt...](#)
  - [Introduction To Machine Learning](#)
  - [Mastering Efficient Data Manipulation and Computati...](#)
  - [Web Scrapping Using Beautiful Soup And Selenium](#)
  - [Proportion Matters: How to Use pie chart for visualiz...](#)
  - [My Experience Trying to Confuse a Bot.](#)
  - [Time Series: The Next Big Thing in Data Science.](#)
  - [Difference between K means and Hierarchical Cluste...](#)
- I'm open to collaborating on Data science, Machine L...

FOLLOWERS 16

### Skills



### Socials



# Faridah Yusuf

Home About

...

Jul 17

### Reinforcement Learning: The Key to Solving Complex Problems

In this blog post, we will explore the basics of reinforcement learning and see how it can be used to solve complex problems. We will also discuss some of the challenges of reinforcement learning and how they can be overcome. What is Reinforcement Learning? Reinforcement...

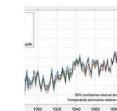
3 min read

...

Jul 6

### Time Series: The Next Big Thing in Data Science

Time series analysis is a field of statistics that deals with the analysis of data that is collected over time, such as trends, patterns, anomalies, seasonality, cycles, and forecasting. It can help us understand the past...



3 min read

...

Jun 25

### 10 USES of NLTK in Sentiment Analysis What is NLTK



**Faridah Yusuf**

18 Followers

An enthusiastic Statistician , Interested in Data Science and Analytics Currently a Fellow @ Arewa Data Science Academy

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Richie Crowley

Deni Ramdani

Aminu Hamza Nababa (Al'amin)

Lukman Aliyu

Char harris

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**Fatima Muhammad Adam**  
FatimaMuhammadAdam

Follow

ND statistics, B.Sc., M.Sc. computer science, data scientist, and machine learning engineer.

11 followers · 3 following  
Followed by Fareeyda

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FatimaMuhammadAdam / README .md

## Hi My name is Muham...

### A Researcher and AI enthu...

I have been working in the field of natural language processing and machine learning projects. I am an alumnus of the Federal University Dutse, Nigeria. I am currently a research fellow at the Global AI Hub.

- I'm based in Jigawa Nigeria
- You can contact me at [fatemahadam123@gmail.com](#)
- You can read my publications
  - [Researchgate](#)
  - [open review](#)
  - [Scholar.google](#)
- I blog on [Medium](#) below are some of my posts:
  - web scraping leveraging the Python requests library
  - Numpy as the most important library for data science
  - Pandas as a data structure and data analysis library
  - Machine learning as part of Data Science
  - Unleashing the power of data visualization
  - Effective strategies for working with large datasets
  - Regression Analysis: Predicting house prices
- I'm open to collaborating with other researchers and AI enthusiasts.
- I'm WomenTechmaker Ambassador

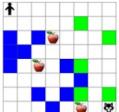
**Fatima Muhammad Adam**

Home About

Jul 15

## Unleashing the Power of Q-Learning: A Journey into Reinforcement Learning's Cornerstone Algorithm

Introduction: Reinforcement learning has emerged as a powerful paradigm within artificial intelligence, enabling machines to learn...

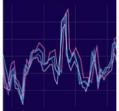


Reinforcement Learning 7 min read

Jun 30

## Seasonality and Trend Analysis in Time Series: Unveiling Patterns Over Time

Introduction: Time series data is prevalent in various fields such as finance, economics, meteorology, and sales forecasting. Understanding...



Time Series 3 min read

**F**

**Fatima Muhammad Adam**  
29 Followers

A researcher, data scientist, and machine learning engineer. A fellow ADS, member DSN, and alumni of Federal University Dutse, a graduate of computer science.

Follow

**Following**

- Alaminahmad
- Aminu Hamza Nababa (Al'amin)
- Lukman Aliyu
- Alberto Ortiz Becerril
- Abbas Adam Abba

See all (16)

## Fellows Group Projects



# Mentors

- Our mentors are PhD students, post-docs, and researchers from top universities and research labs and institutions all over the world.
- A mentor will typically have the following commitments:
  - Mentor a group of 1 - 10 students
  - Commit an hour weekly to interact with mentees.
  - Guide mentees for the duration of the fellowship

## Stipends

- ❑ Monthly stipends to cover data/internet expenses
- ❑ Stipends to be paid starting from Data Science



Communication:  
Telegram  
YouTube

- Email:  
[arewadatascience@gmail.com](mailto:arewadatascience@gmail.com)



ArewaDataScience Fellowship First Cohort  
548 members

...

Search (#K)

c Cohort2  
Sheriff Mudasir  
Me too

Fri

Annoucement  
Sheriff Mudasir  
Noted

Fri

# Main ArewaDS Channel ✨  
Adamu M.U joined the group via invite link

07:05

Payment and Data: talk to us if you have payment or Data issue.  
Bangis Arewa  
Attend today introduction session you will know how and when you will r...

05:00

💡 Introduction: Introduce your self here for other to know you  
Salman Paris  
I'm Salmanu Muntari, a graduate of Agriculture and Education from Bayero U...

Fri

s Success Story: Share and let us celebrate you all  
Techy  
I've just posted about my new certificate on LinkedIn! from Coursera

...

A Ask Questions on ML or Python here  
Engr. B.M Abduljalil  
And is crucial to understand data should be split so that data sets can have a...

Tue

o Opportunity: We share opportunity here, such as scholarship !  
Engr. B.M Abduljalil  
Female Founder Training Programme: A CALL FOR APPLICATION... 1

Mon

R Random  
Bangis Arewa  
Deep Learning.pdf

18/10/23

! Need Help? Ask your question here.  
MUHAMMAD FAISAL  
Basically, Use a laptop 🖥 to Get instead of a Cellphone 📱.

16/10/23

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Techy  
<https://github.com/TechLateef>

21/09/23

I Resources: Share Resources here  
Aminu Hamza Nababa  
Photo

20/09/23

A Applications  
You  
Gogle DeepMind PhD scholarship The School of Informatics, University...

✓ 15/09/23

C Cohort-1: Deep Learning  
Fatima Muhammad Adam  
Thank you

10/09/23

M Talk to Organizers : suggestions or any other things  
AA Khalid Arewa DS Mentee  
Alriah sir

27/08/23

- The man who asks a question is a fool for a minute, the man who does not ask is a fool for life." – Confucius



# ArewaDataScience Academy

@arewadatasciencacademy7195 · 85 subscribers · 22 videos

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33 views · 2 months ago



How to make your Gihub README

47 views · 3 months ago



Time Series 2 by Zaharaddeen

29 views · 4 months ago

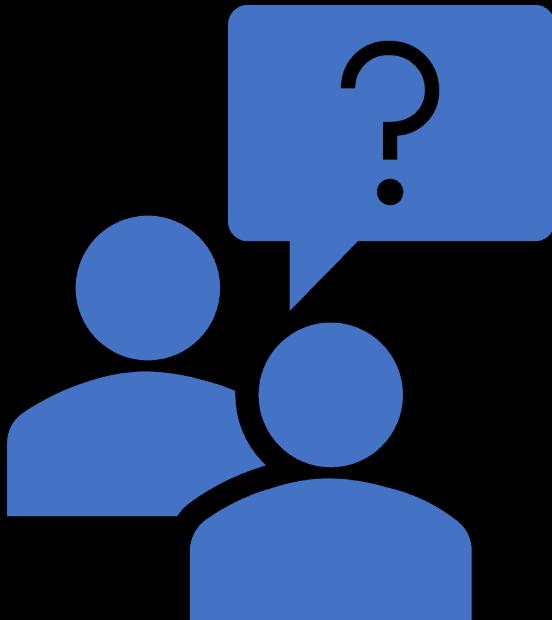


Time Series part 1 by Zaharaddeen

25 views · 4 months ago



Question?





*Thank you*



Reach out to us with any questions or concerns.



We're excited to have you on board!



