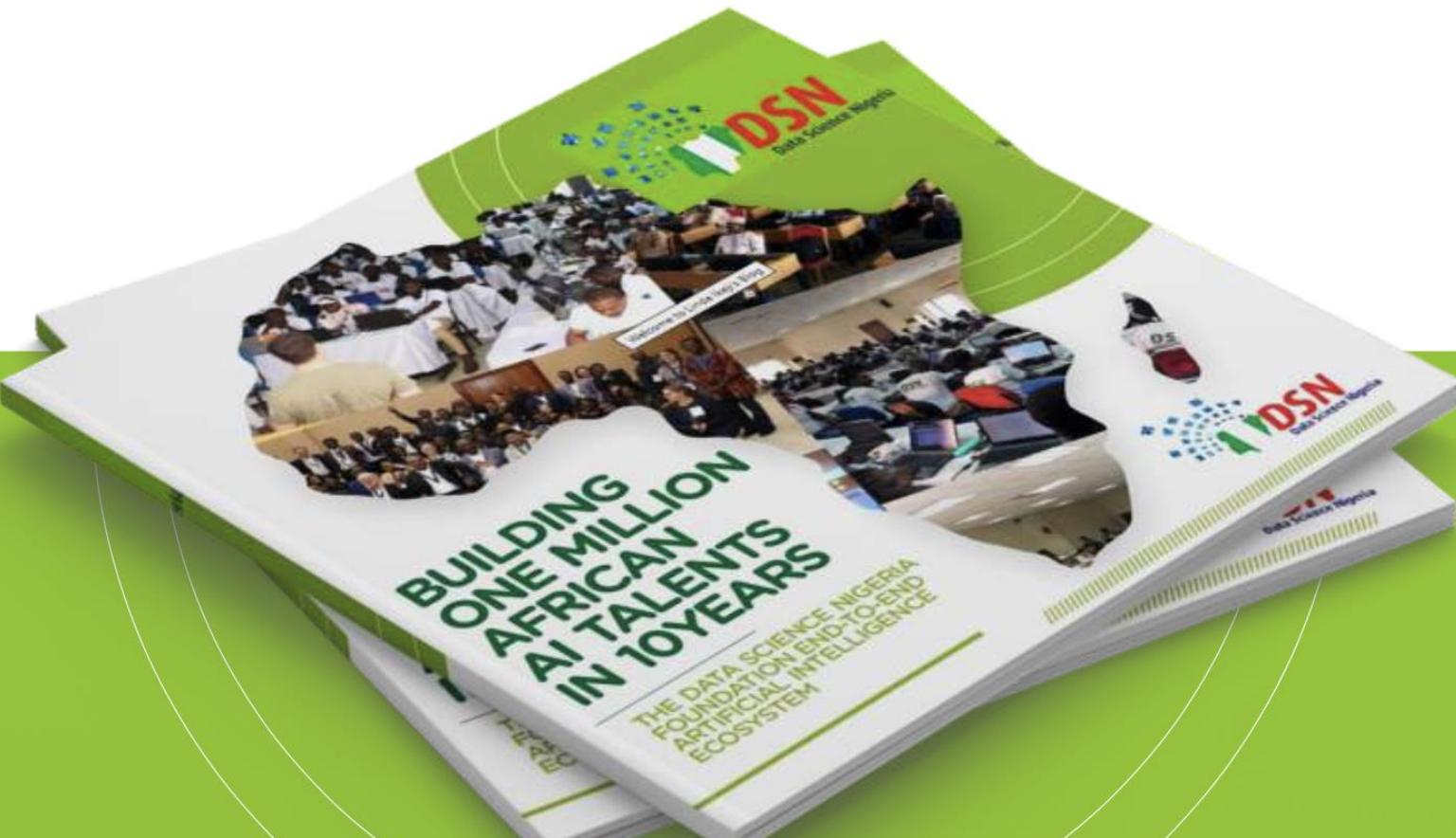


# About Us



Data Science Nigeria is registered non-profit organization with a vision to build a world-class artificial intelligence knowledge, research and innovation ecosystem that delivers high impact & transformational research, business use applications, AI-first start-ups, employability and social good use cases; such that in 10years, Nigeria will become one of the top 10 AI talent/knowledge destinations with 20 GDP multiplier impact.

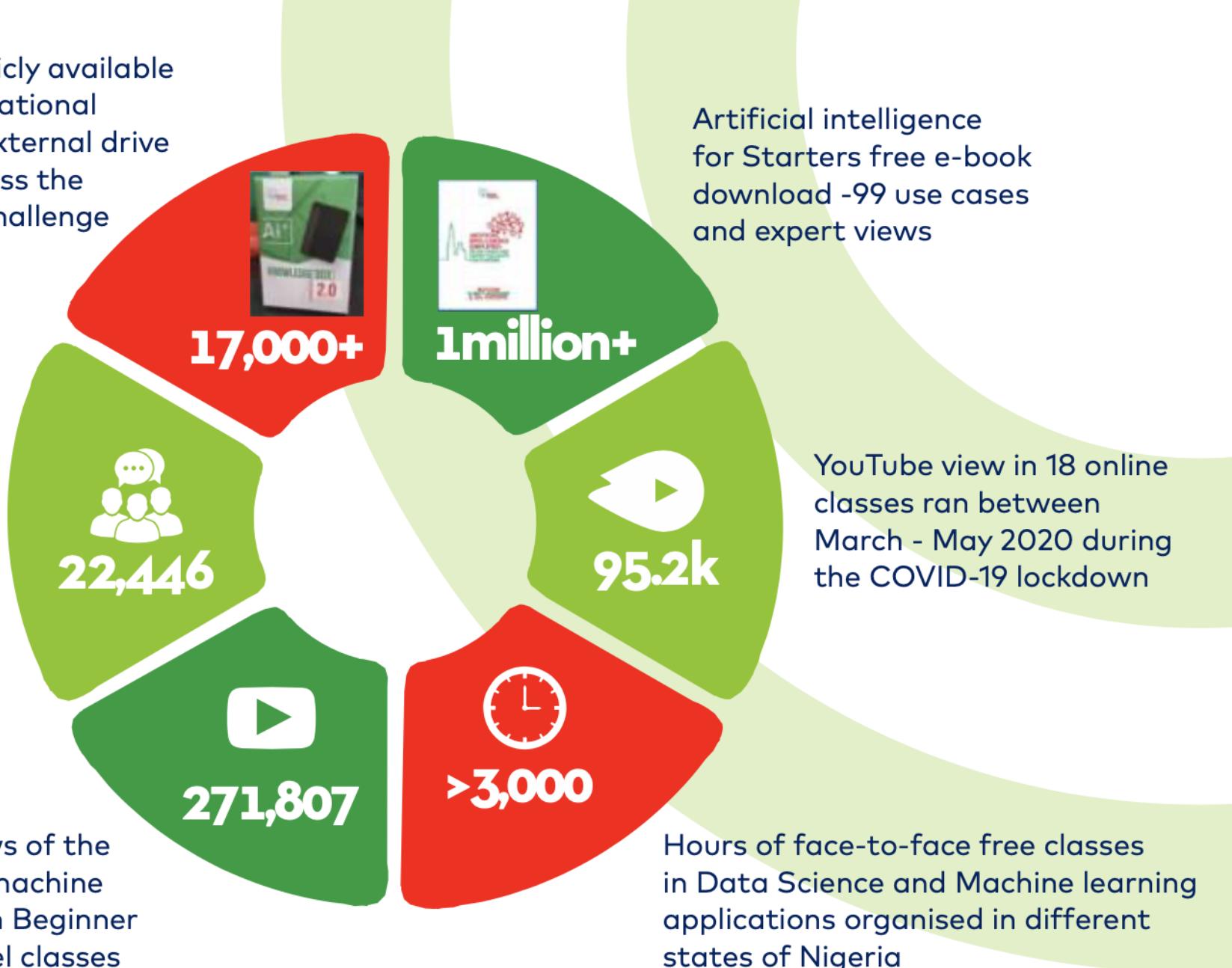
#1million\_AITalents\_in\_10years

# Our Achievements

AI Learning videos - publicly available contents from top international universities- curated in external drive and distributed free across the country to address the challenge of poor internet

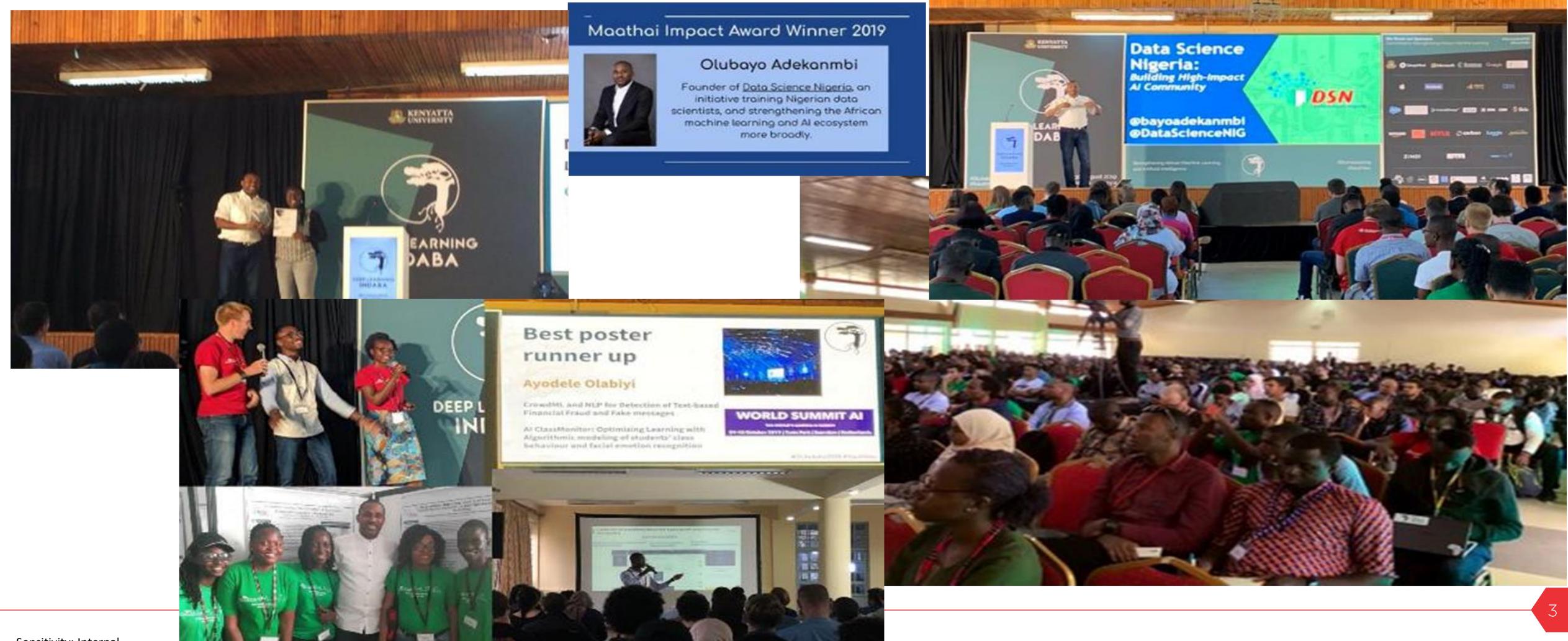
Online participants in Data Science Courses from registration to at least one class

YouTube views of the 100Days of machine learning from Beginner to expert level classes



# No 1 Artificial Intelligence learning community and solution delivery network in Africa

- Won the *Matthai Impact Award at Deep Learning Indaba 2019: Hundreds of thousands trained FREE via online, offline, face-to-face, content development and job placement*



Best Academic Poster at  
the 21st ACM Conference  
on Economics Computer  
(EC' 20)- the world's  
*premier conference on*  
*the interface of*  
*economics and computer*  
*science*



21st ACM  
Conference on  
Economics and  
Computation (EC'20)

Virtually on July 13-17



Global Challenges in Economics  
and Computation (GCEC'20)

**BEST POSTER AWARD**

**Shared Trust to End Poverty  
and Promote Financial Inclusion**

Olubayo Adekanmbi | Olalekan Akinsande  
Ayodele Olabiyi | Gbemileke Onilude

See posters here:  
[https://bit.ly/Ec\\_posters](https://bit.ly/Ec_posters)



Data Science Nigeria emerges as the **ONLY**  
**African** finalist in the **XPRIZE \$500K Pandemic**  
**Response Challenge** sponsored by Cognizant.

We are developing Artificial Intelligence-driven models  
to predict COVID-19 Infection rate and prescribe actions  
for safely reopening society and limiting economic impact  
while minimizing COVID-19 transmissions

Check Press Release at: <https://bit.ly/XPRIZEPress>



Data Science Nigeria



@DataScienceNIG

» AI for  
EVERY

2021

# Data Science Nigeria key milestones on online and content delivery



AI learning videos - publicly available contents from top international universities- curated in external drive and distributed free across the country to address the challenge of poor internet

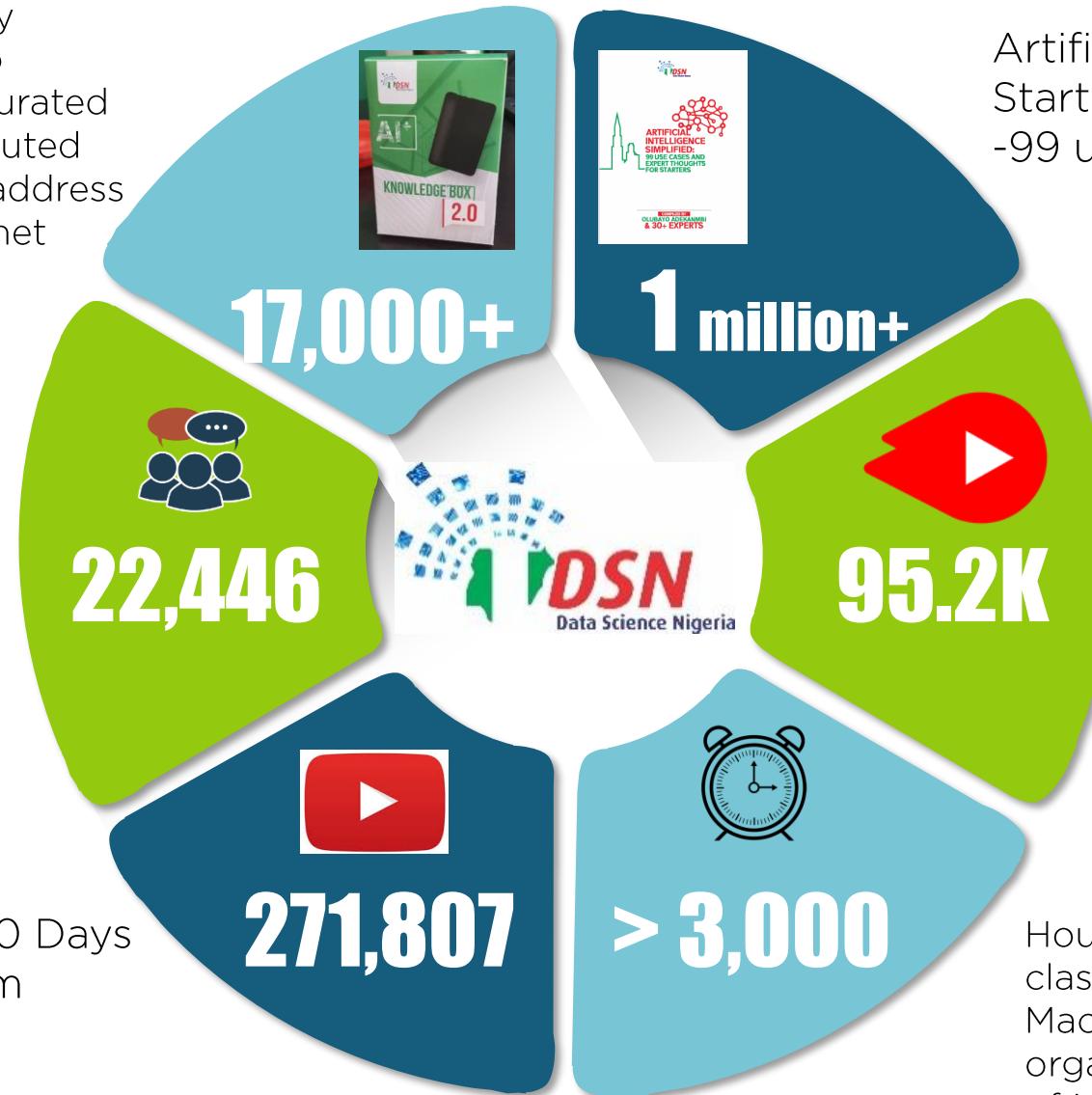
Online participants in Data Science courses from registration to at least one class.

YouTube views of the 100 Days of Machine Learning from Beginner to expert level classes

Artificial Intelligence for Starters free e-book download -99 use cases and expert views

YouTube views in 18 online classes ran between March - May 2020 during the COVID-19 lockdown

Hours of face-to-face free classes in Data Science and Machine learning applications organised in different states of Nigeria





We also run the biggest **FREE** AI learning platform on the continent across campuses, cities – online, offline, project-based and content development

# We are humbled to run the biggest AI learning programme in Africa with 30 unique platforms face to face, online, offline and hands-on and with impact on hundreds of thousands



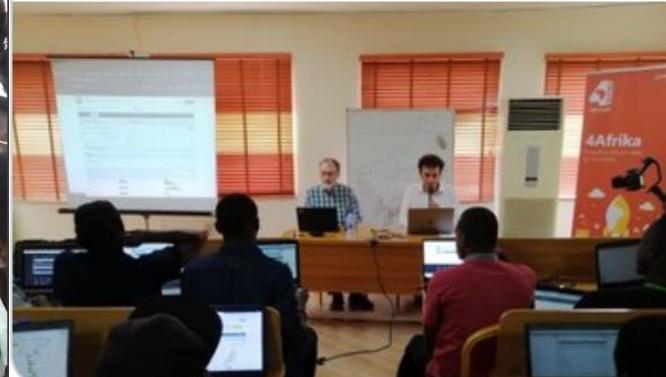
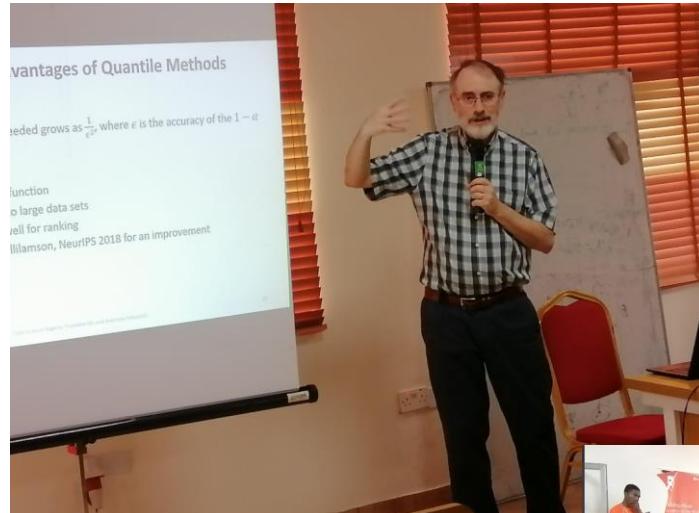
Segments	Face to Face	Online	Offline Content	Hands-on
Beginners	<ul style="list-style-type: none"><li>AI Wednesdays (Intro Python/ML)</li><li>AI Invasion</li><li>AI Everywhere</li></ul>		<ul style="list-style-type: none"><li>AI for Starters ebook</li></ul>	<ul style="list-style-type: none"><li>Industry Use Case Discussion sessions</li></ul>
Kids/Teens	<ul style="list-style-type: none"><li>Pre-University Intro Python/ML</li><li>AI Summer School for Kids</li></ul>	<ul style="list-style-type: none"><li>Weekly AI Slack Discussion Channels</li><li>Online Masterclass</li></ul>	<ul style="list-style-type: none"><li>Python and Machine Learning for Grades 5-9</li></ul>	
Intermediates to Experts	<ul style="list-style-type: none"><li>Deep Learning Nigeria</li><li>AI Bootcamp</li></ul>	<ul style="list-style-type: none"><li>100 Days of Machine/Deep Learning via YouTube</li><li>AI Mentorship</li><li>AI Dial-in Masterclass</li></ul>	<ul style="list-style-type: none"><li>AI Knowledge Box</li></ul>	<ul style="list-style-type: none"><li>DataHack</li><li>Data Scientists On Demand</li><li>On-project Internship</li></ul>
University Students	<ul style="list-style-type: none"><li>AI+ Clubs</li><li>Intercampus Machine Learning Competition</li><li>AI+ Researchers Forum</li></ul>			<ul style="list-style-type: none"><li>AI MiniLabs and Tools</li></ul>
Professionals/C-level Executives/ Government agencies	<ul style="list-style-type: none"><li>Business Analytics for Professionals</li><li>AI for Executives</li><li>AI Summit</li></ul>		<ul style="list-style-type: none"><li>Ai+ Professional meet-up</li><li>Ladies in AI</li></ul>	<ul style="list-style-type: none"><li>AI Project participation</li></ul>



# AI Bootcamp

# Artificial Intelligence Bootcamp – the biggest and most competitive inter-campus learning platform

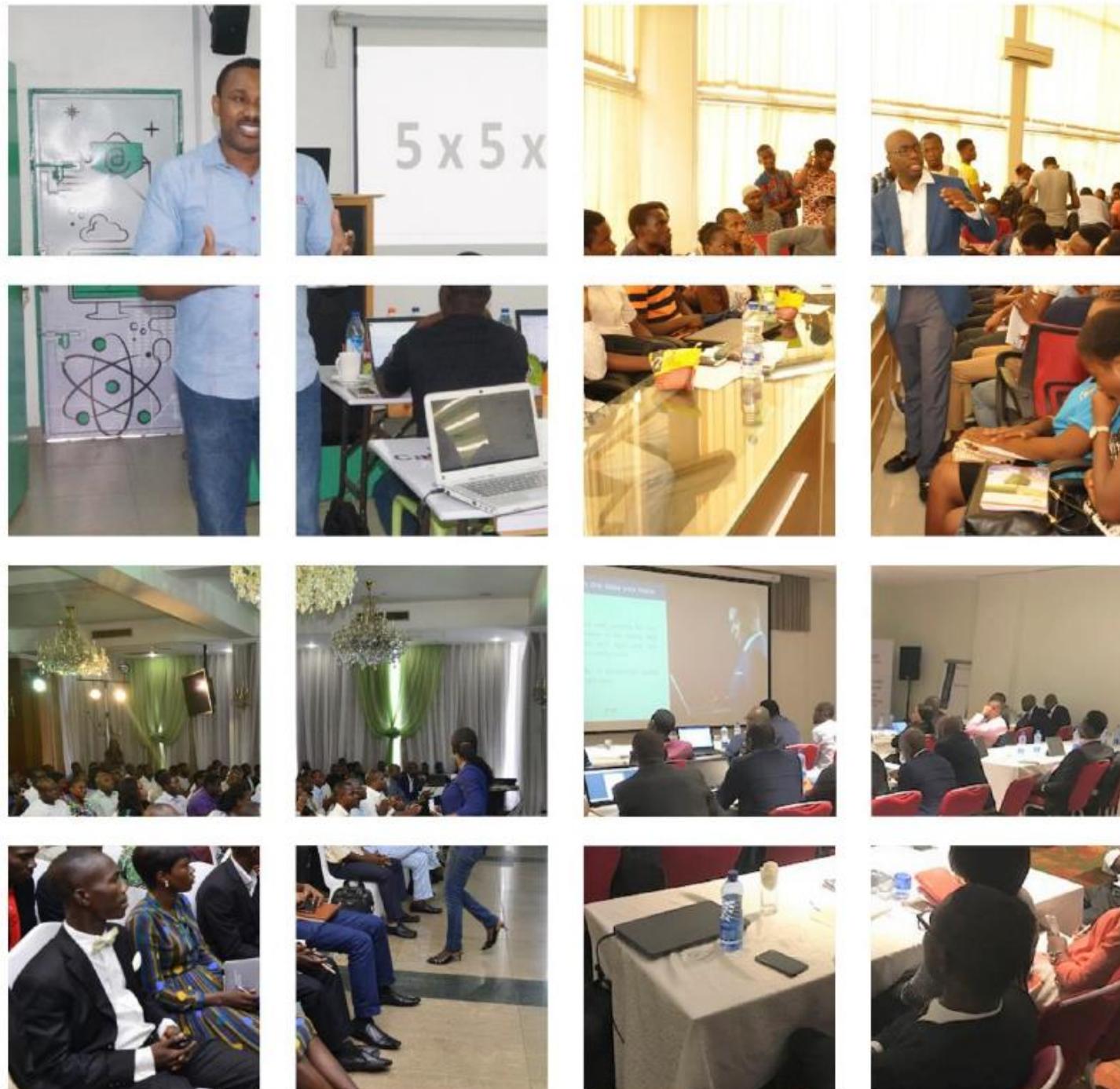
Participants are also motivated to sustain their learning to make it to AI Bootcamp. At the 2019 AI Bootcamp we had 30+ international and local experts who facilitated session





# Scaling Up Professionals

# Companies We Have Trained



# Business Analytics and Intro Data Science for Professionals



# Trainings at the AI Hub, Lagos





# AI+ Club FOR SCHOOLS

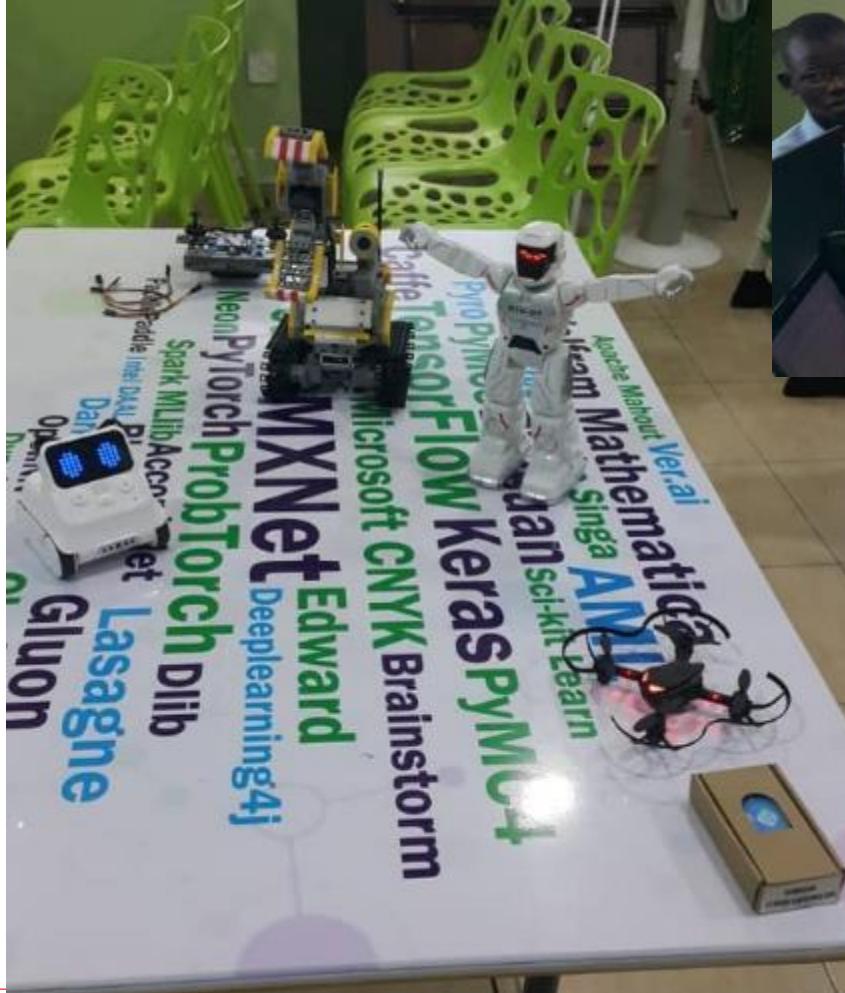
Preparing students to thrive in the  
future of work with Artificial Intelligence  
& Python Programming



# Offering Kids & Teens access to world class skill sets.



# Data Science Nigeria AI Summer School for Teens



# Focus on the future by releasing first AI book for kids in Africa

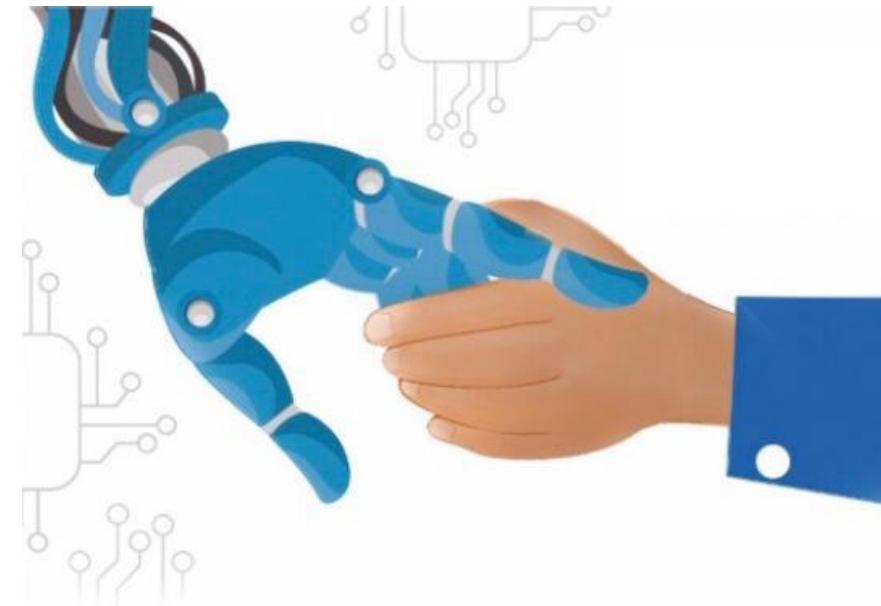
Amazon Kindle: <https://amzn.to/3bID9b7>

Amazon Paperback: <https://amzn.to/33PfptG>

Apple iBook: <https://apple.co/3aeANL6>

Google Play: [https://bit.ly/AIBook\\_Play](https://bit.ly/AIBook_Play)

Jumia: [http://bit.ly/AI\\_BookJumia](http://bit.ly/AI_BookJumia)

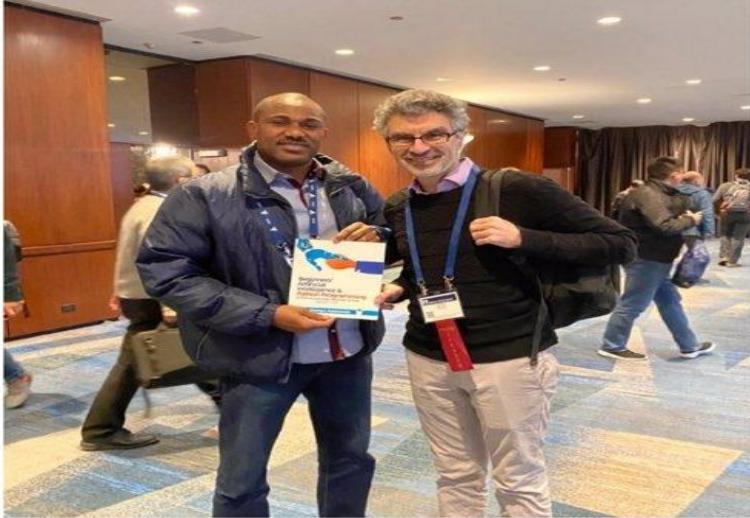


**Beginners' Artificial Intelligence & Python Programming**  
For Primary and Junior Secondary Schools  
(GRADES 4-8)

Olubayo Adekanmbi



# AI Book secured multiple global endorsement



# MACHINE LEARNING:

## How Machine Learns from Patterns



In this chapter, we are going to learn about:

- ✓ Patterns in AI.
- ✓ How AI uses patterns to make prediction.
- ✓ How AI learns from pattern and the past.



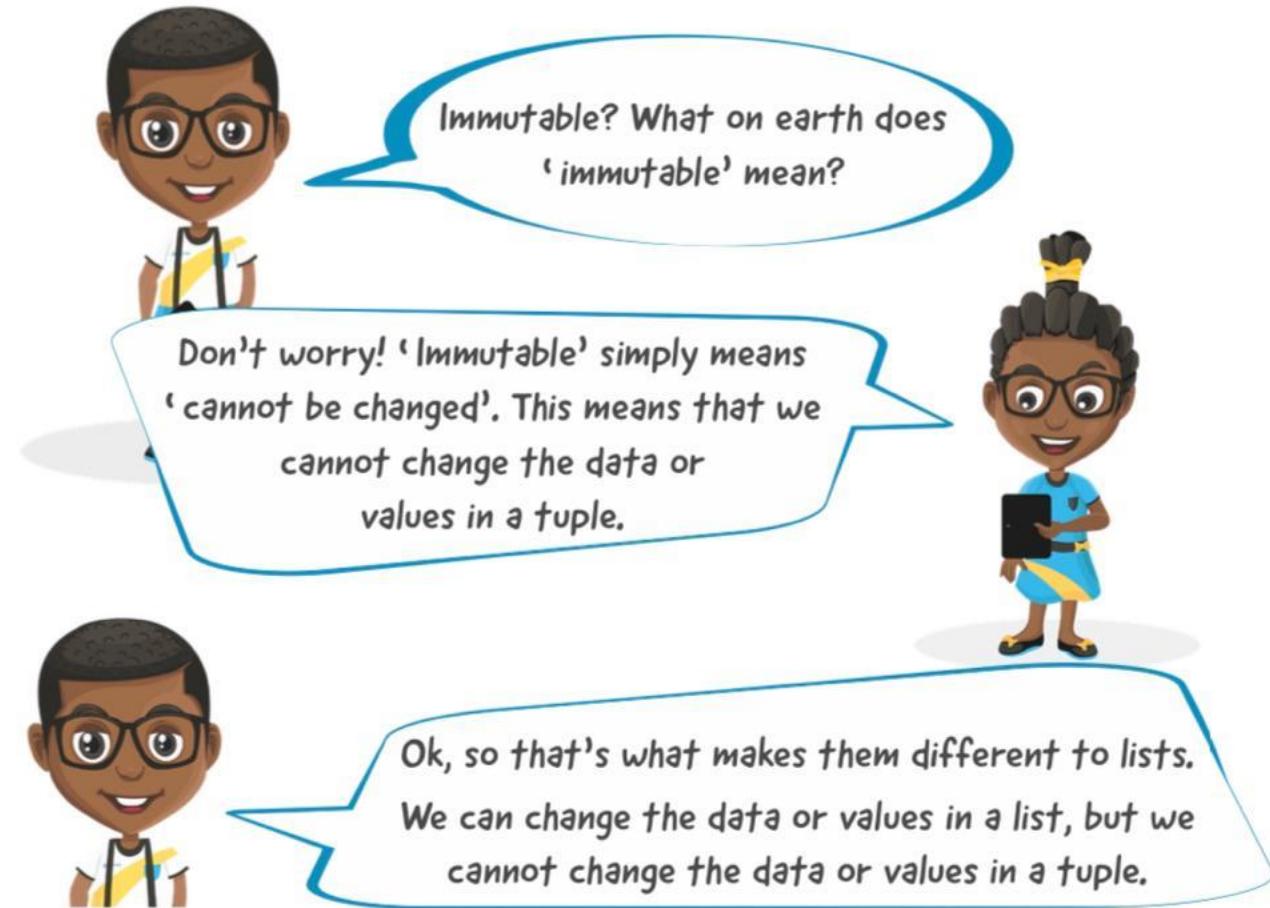
Join me to explore the wonderful world of patterns and predictions, that is, learning from what has happened before to predict what will happen in the future.

I can think of a pattern now! I remember that each time Grade 5 and Grade 6 play football, there is a pattern of who wins – and I think I know why! Grade 5 football team always win when they plays with their main goalkeeper, Adaeze, and only when the match is held on the old school pitch. Interesting, isn't it?



## What is a tuple?

A tuple is like a list. It is a data structure where we can store values and data. But unlike a list, a tuple is immutable.



Attributed to: DataCamp - Python for Data Science

## What Are Expressions?



I know that a smile or a frown is a facial expression... but I have no idea what an expression is in Python.

An **expression** is the most basic type of instruction in the Python programming language.

It consists of **values**, such as numbers. It also contains **operators**, such as plus signs, minus signs, multiplication signs and division signs.

Expressions are always **evaluated**, or reduced down, to a **single value**.

This is the **result** or the **answer**.



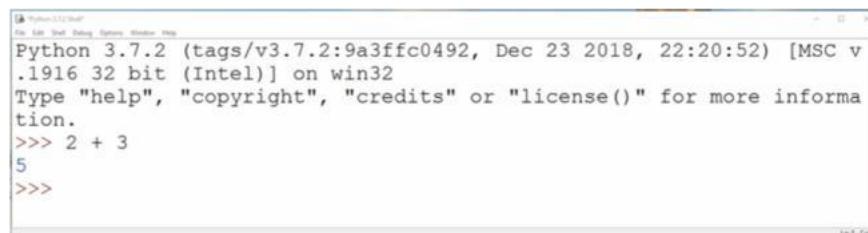
Open up IDLE and let's type in an example of an expression.

Once you have opened IDLE, type the following after the prompt:

2 + 3

Then press **enter** on your keyboard and see what happens.

Python does the calculation! It adds 2 and 3 and gives you the correct answer of 5. Isn't that cool!



```
Python 3.7.2 (tags/v3.7.2:9a3ffc0492, Dec 23 2018, 22:20:52) [MSC v.1916 32 bit (Intel)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>> 2 + 3
5
>>>
```

# Free distribution of the AI book through a Train-the-teachers program to deepen data and AI skills building at elementary level



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Email: [info@datasciencenigeria.ai](mailto:info@datasciencenigeria.ai)  
Twitter: Datasciencenig  
Instagram: Datasciencenigeria  
Facebook: [facebook.com/datasciencenig](https://facebook.com/datasciencenig)  
YouTube: <https://goo.gl/Vcjyjy>  
Phone : +2348140033300, +2348140000853