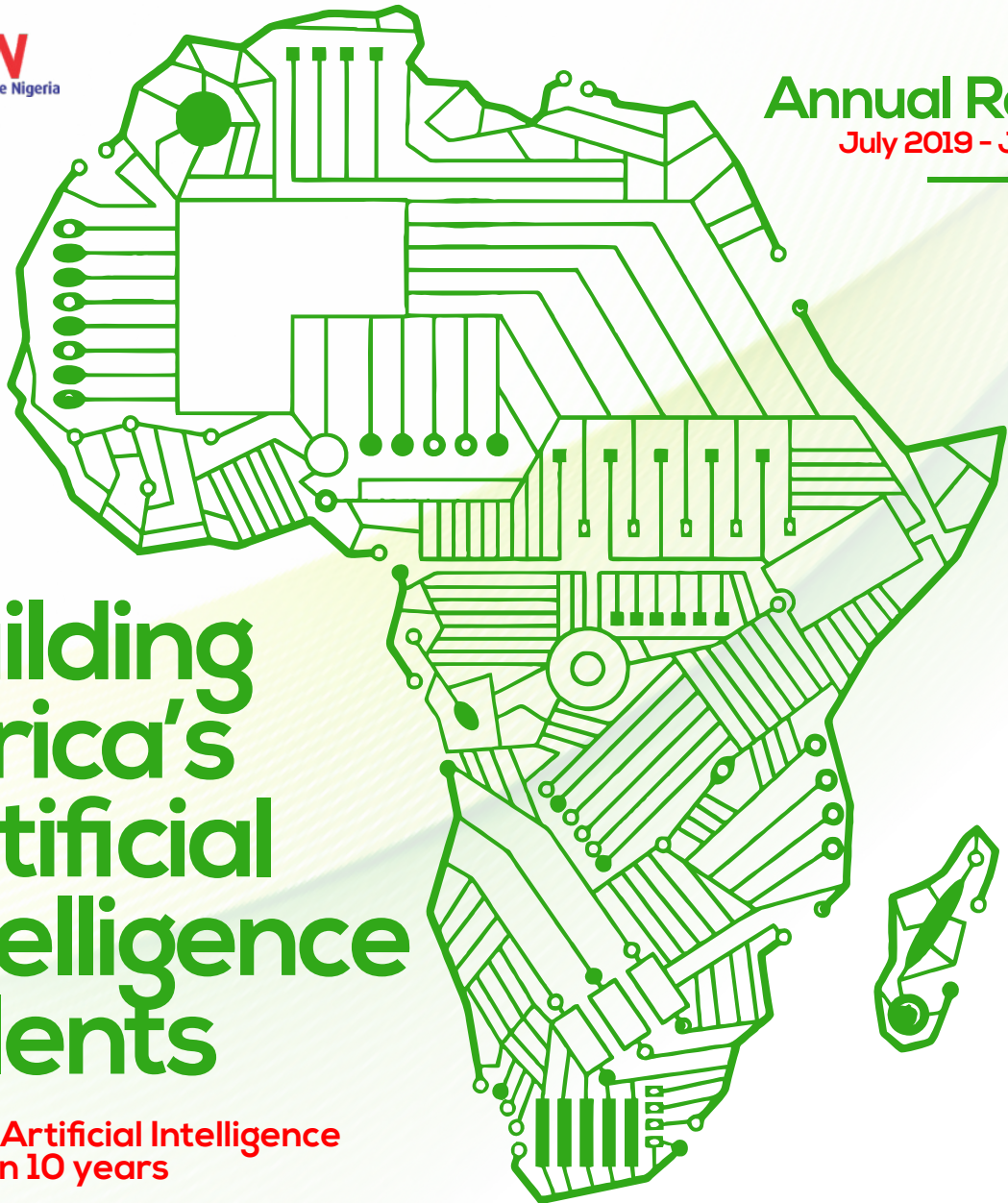




Annual Report
July 2019 - June 2020

Building Africa's Artificial Intelligence Talents

**1 million Artificial Intelligence
talents in 10 years**





Congratulations for Winning 3 International Awards



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 Olabiyl | Gbemileke Onilude

See posters here:
https://bit.ly/EC_posters

Maathai Impact Award Winner 2019



Olubayo Adekanmbi

Founder of Data Science Nigeria, an initiative training Nigerian data scientists, and strengthening the African machine learning and AI ecosystem more broadly.



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23. Support the Vision



17,000+

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



22,446

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

1million+

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


95.2k

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



271,807

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

>3,000

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

Data Science Nigeria Values



- Impact
- Excellence
- Leadership
- Innovation
- Integrity
- Selflessness
- CAN-DO



1. Accelerating Impact in an Artificial Intelligence (AI) Dominated Era

Artificial intelligence (AI) has proven to be a principal enabler of socio-economic development in emerging markets and could potentially tackle some of its challenging social problems proactively. Recent studies in machine learning and deep learning applications suggest the possibility of addressing global issues cutting across the **17 United Nations' Sustainable Development Goals with AI**, thereby achieving the set objectives to end poverty, promote prosperity and wellbeing for all, and protect the planet by **2030**.

Africa remains a strategic focus area for exploring how artificial intelligence can drive high-impact development. With a recent report by PwC revealing that artificial intelligence will add **\$15.7 trillion** to the global GDP, Africa can leverage AI opportunities to increase productivity, create new industries, drive consumption and monetize its youthful population as AI talents. Indeed, Africa is well-positioned to leverage new digital technologies to drive large-scale sustainable transformation and competitiveness.

At Data Science Nigeria, our pervasive, inclusive and disruptive learning model is informed by the urgent need to improve the quality of talents in the continent in order to meet future talent needs. Africa harbours nineteen (19) of the world's twenty (20) youngest countries, with sixty percent (60%) of its population below 25. Its youthful population presents a significant advantage for the continent as the International Financial Corporation (IFC) predicts that **230 million jobs** will require digital competence in **Sub Sahara Africa by 2030**.

We are motivated by a clear understanding that Africa will be the talent bank of the world in light of the above statistics 2019 and 2020 provided vast opportunities for us to experiment with grassroots learning models. We expanded our offline learning content, grew our learning communities in **17 university campuses and 23 cities**, and launched mini learning clusters in many towns to democratize access to AI knowledge. We also explored new methods of hands-on immersion such as project participation, virtual hackathons, learning internship, collaborative research projects, and locally-relevant solution-thinking.

One of our biggest interventions was the release of the first artificial intelligence book for elementary and high schools in Nigeria, which simplifies the concept of artificial intelligence for kids to stimulate their curiosity and interest in learning about AI. This model underscores our new push to induct more young Africans into early AI learning and support schools to embed AI in their learning curriculum as the new normal.

The realities of **COVID-19** further accelerated the need to adopt artificial intelligence for nation-building. The Coronavirus pandemic has made societies and economies adopt data-centric and digital solutions for identity, medical innovation, population management, and social wellbeing. We believe that COVID-19 has presented a new catalyst for AI usage in Africa as the continent accelerates its 4th Industrial Revolution (4IR) path. Governments and businesses will be more interested in figuring out how to embed the learning for a post-COVID world and leverage AI in health, agriculture, supply chain management, education, etc.

We also contributed our quota by supporting the AI for COVID-19 initiatives with research publications and policy guidance. As artificial intelligence takes a dominant role in society, we firmly believe that there will be a call for accountable usage. Fairness, ethics, and responsible application coupled with reproducibility and explainability will be essential for equality and a better society.

We also believe that the new metrics of AI is balanced social impact and goes beyond the counts of meetups and research papers to how we can effectively deploy AI to solve local problems and make lives better for all. Indeed, we are persuaded that Africa is on the right path and will not be left behind in the AI-dominated era!

Bayo Adekanmbi

Convener, Data Science Nigeria





2. Disrupting Artificial Intelligence through Early Education

Launching the 1st Artificial Intelligence Book for Elementary Schools in Africa

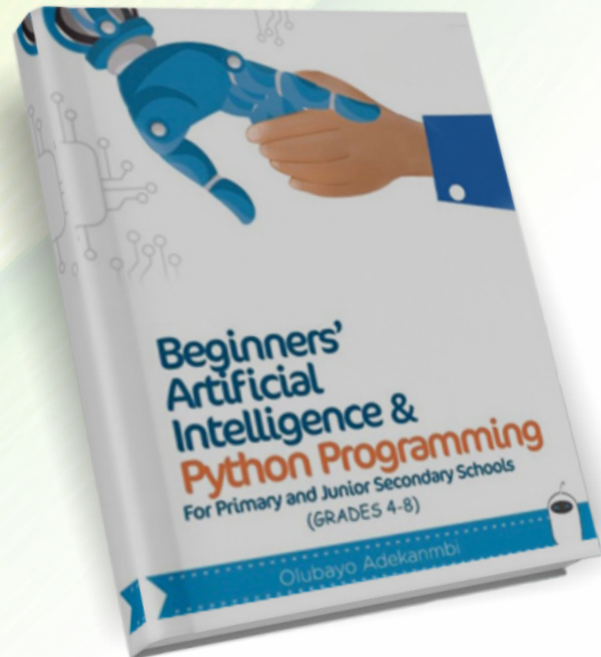
The first-ever AI book for elementary and high schools in Africa, the **Beginner's Artificial Intelligence and Python Programming Book for Primary and Junior Secondary Schools (Grades 4 - 8)** was unveiled on November 19, 2019, at the AI Summit. The book was powered by Data Science Nigeria's vision to raise 1 million artificial intelligence talents in 10 years.

The book demystifies the concept of artificial intelligence in a friendly manner to kids, using cartoon characters and simple language to stimulate their curiosity and drive their interest in learning about AI. Within a short period, the book has generated a lot of attention and global endorsement by renowned experts, professionals, data enthusiasts, and parents. It is currently being distributed for free through a train-the teachers program in public schools.

At the same time, it is available for general sales on and online retail stores such as Amazon, Google Books, and Jumia and has garnered several 5-star reviews for its excellent content.

Watch the book unveiling event on Channels Television here:

<https://youtu.be/l1EF13LrcAI>





“

"Artificial intelligence with python programming does not seem like a beginner's topic. But it is completely possible, as presented beautifully in this wonderful book...The approach presented here is perfect, by first introducing interesting, useful, and impactful applications, outcomes, and use cases...Every instructor and student should study this book!"

”



Dr. Kirk Borne
Principal Data Scientist and
Data Science Fellow
at Booz Allen Hamilton, USA

Free AI book Distribution through a Train-the-Teacher Program

The Train-the-Teacher model was designed for teachers in primary and junior secondary schools. The objective of this intervention is to ensure that the teachers have sufficient knowledge to embed and teach artificial intelligence and Python Programming.

On December 12, 2019, the first edition of this intervention hosted 121 teachers from 83 primary and secondary schools in Lagos and the neighboring states. The teachers were exposed to innovative programming tools, especially those that allow students to practice coding with their mobile phones when personal computers are not available. Also, each participating school received free copies of the AI textbook for use in their respective schools.





Free Distribution through Corporate Partnership

Distribution of the free copies of the Beginners' artificial intelligence and Python Programming has been accelerated with corporate sponsors who buy in bulk to distribute copies to private and public school students. This is well-aligned with our inclusion agenda to ensure that as many pupils as possible have access to basic knowledge. Our corporate sponsors include Softcom Nigeria, Proshare Foundation, Mr. Dapo Ladeji etc.



Free Distribution and Knowledge Sharing Sessions at Public Schools in Lagos, Niger and Kano

We established AI+ Club for Schools, an initiative aimed at introducing pupils in elementary schools, with particular focus on public schools in Lagos, Kano and Niger States to artificial intelligence. Unfortunately, further plans for free distribution of the AI books across the country were suspended as a result of the COVID-19 national lockdown but we will pick up where we left off when the lock down is called off.







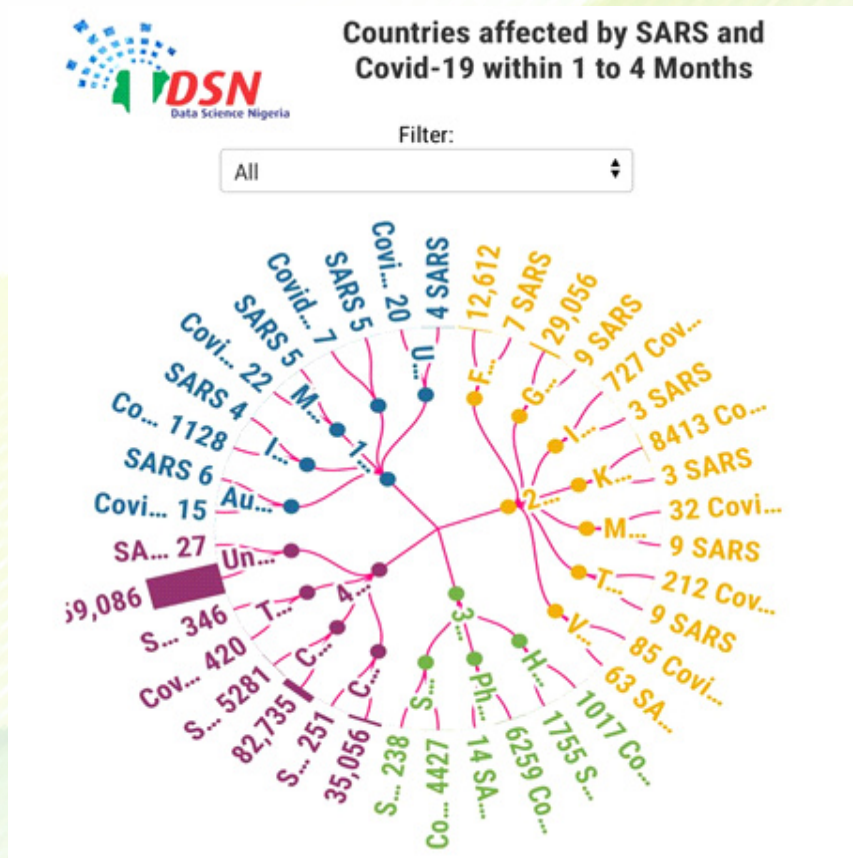
3. Artificial Intelligence for Social Impact: Supporting the COVID-19 Intervention with AI

In response to the COVID-19 pandemic, Data Science Nigeria channeled its efforts to support the management in charge of controlling the crisis through effective use of data science.

Here are some of the projects we executed to support the COVID-19 intervention:

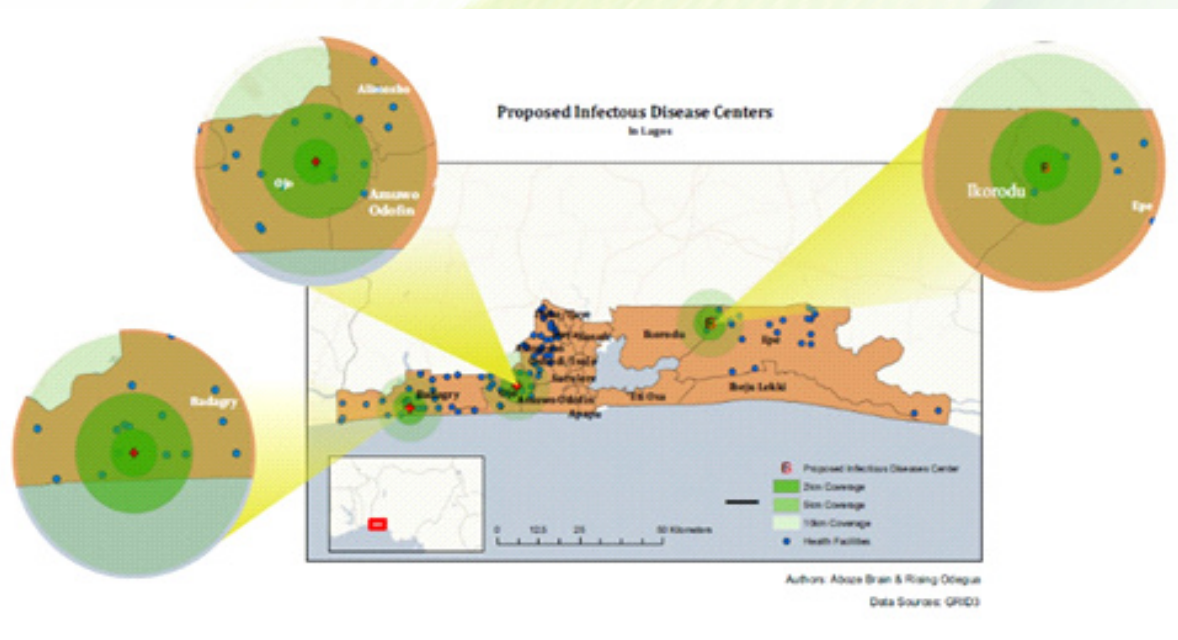
- **Comparative and Exploratory Data Analysis on COVID19, Ebola, and SARS to Understand the Patterns and Imperative for Robust Management:** this analysis explores the fatality and survival pattern in a dynamic visualization.

Read at <http://www.datasciencenigeria.org/covid19-eda>

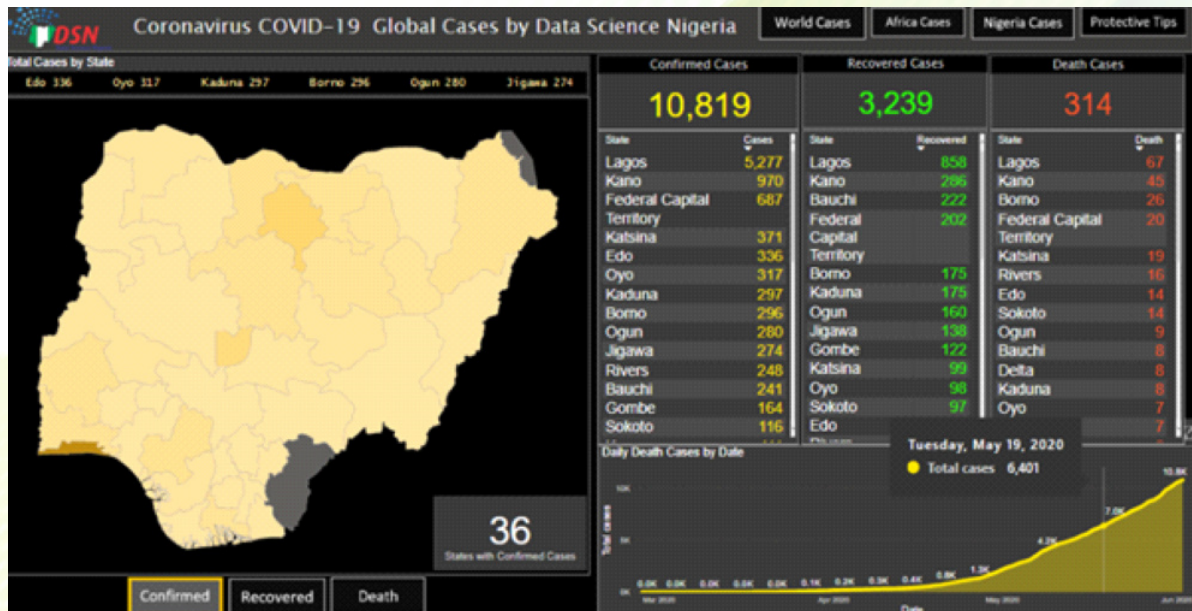


• **Disinformation, Misinformation and Rumor Analysis:** this ongoing research assumes that the greatest epidemic may be the nature of the information that people receive and share. The frequency, source, and believability of messages related to COVID 19 circulated on social media platforms(WhatsApp, SMS, Facebook Messenger, etc.), are being studied to understand the nature of the responses of the various recipients.

• **The Use of Social Vulnerability Index and Geospatial Data to Optimize Quick Delivery of Make-shift Health Facilities for COVID19 Management and Proactive Intervention:** this research was shared with the Lagos State government to guide the distribution of isolation and testing centers to ensure adequate presence in potential high-risk and densely populated locations. Read more at http://bit.ly/SVI_COVID19



- Development of epidemiological models and local risk indicators based on demographic profiling, geospatial distribution and the transmission patterns across key African countries.
- **COVID19 Trend Visualization Dashboard and Preventive Tips:** this is a dynamic dashboard that visually simplifies local, continental and global trends with relevant prevention techniques. Check at <https://bit.ly/coronaViz>
- We served as members of the global Presidential Taskforce on Data Modeling for COVID-19



Participation in the Global COVID-19 Data Collection Partnership with FAIR VODAN Netherland

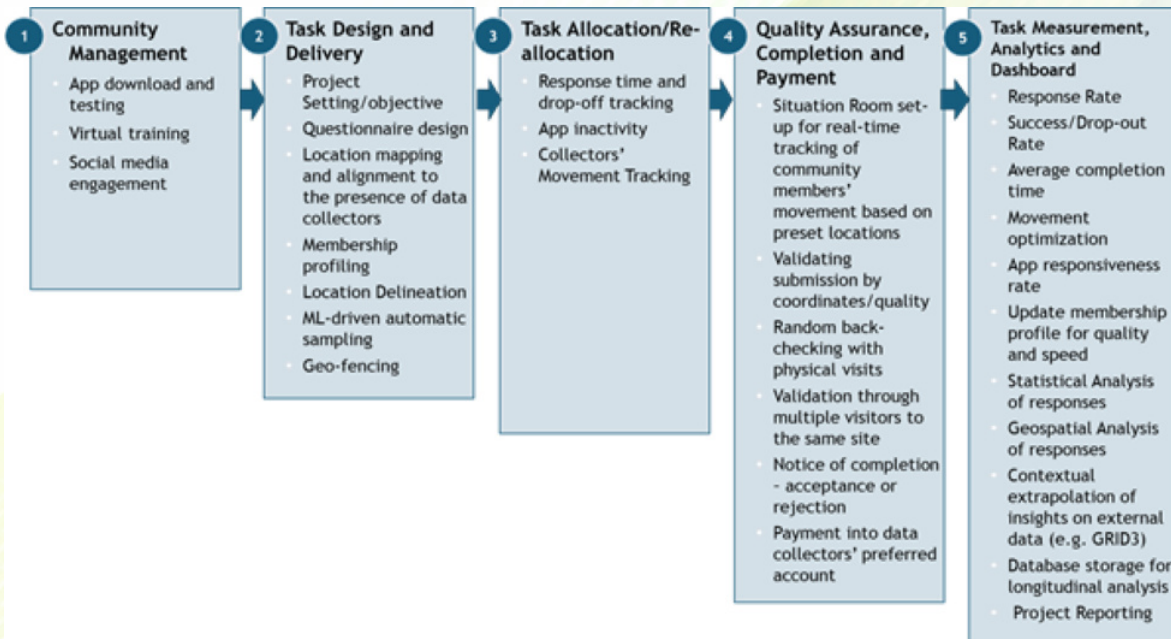


Data Science Nigeria was nominated as Nigeria's lead for the global Virus Outbreak Data Network (VODAN) Project. This is one of the joint activities of the Committee on Data for Science and Technology (CODATA), the Research Data Alliance (RDA) foundation, the World Domination Summit foundation (WDS), and the GO FAIR foundation.

VODAN was set up to help fight the Coronavirus disease by establishing the Internet of FAIR Data and Services. FAIR stands for human and machine-readable digital data objects that are Findable, Accessible, Interoperable, and Reusable. VODAN ensures that medical data are discoverable by computers and accessible under governance regulations. The members of the coalition includes GO FAIR Foundation, Kampala International University (KIU), Tangaza University College (Kenya), Moi University (Kenya), Data Science Nigeria (DSN), Olabisi Onabanjo University (Nigeria), University de Sousse (Tunisia), Great Zimbabwe University (GZU), Mekelle University (Ethiopia), Addis Ababa University (Ethiopia), Leiden University, Tilburg University (Netherlands) and the Philips Foundation.

Use of DataCrowd for Pan Nigerian Local Data Collection

In order to accelerate access to data, We scaled up the capacity of its in-house app, DataCrowd, for massive data collection. We built a network of thousands of data collectors who can collect video, sound, text, and picture data with geotagged and time-stamped submissions. We firmly believe that this can support a cost-effective and useful approach for real-time market insight, instant ground-truthing, project monitoring/evaluation, intervention assessment, and evidence-based program design.





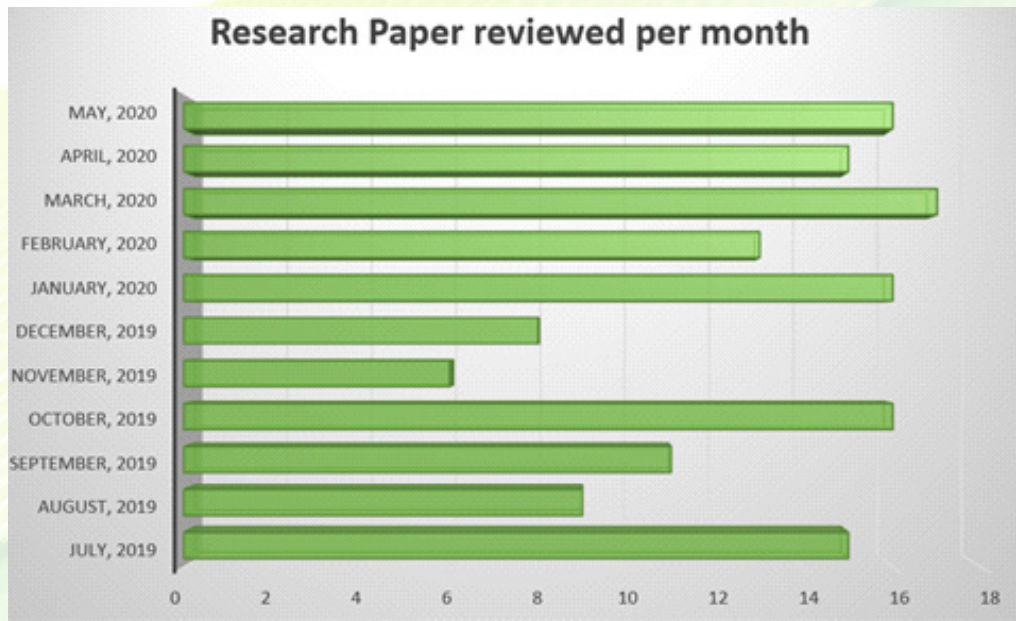
4. Expanding Research Best Practices



We strengthened our in-house research capabilities with a focus on high-impact social-good outcomes through strategic partnerships and community engagement. Significant effort was channeled towards the Sustainable Development Goals on health, education, and financial inclusion. The team also embedded mechanism design methodologies into our design thinking paradigm. This approach allows for a multi-disciplinary use of techniques from algorithms, optimization, and mechanism design, along with insights from other disciplines, to improve access to opportunities for historically underserved and disadvantaged communities.

Sustained Academic Paper Review via Social Media Channels

In a bid to expand research best practices, we have reviewed close to 150 recent academic and industry research papers at a minimum of 3 new paper reviews weekly. These reviews provide our audience and community members the opportunity to be abreast of trends and emerging evolutions in the world of artificial intelligence.



Academic Paper Writing Workshop with Dr. Elaine Nsoesie

As part of the effort to support world-class research through scientific writing, we organised a 2-day knowledge workshop on Ph.D./M.Sc. and academic research paper writing during our virtual bootcamp series in May 2020. This Ph.D./MSc research masterclass was facilitated by Dr. Elaine Nsoesie, an assistant professor at Boston University, Massachusetts, USA.

To ensure inclusion and address the challenge of limited internet access as a result of the national lockdown, data grants of 2GB worth of internet access per person was awarded to 100 participants to join the session. This live session via Zoom had over 550 people in attendance, while the post-event video has gathered over 10,000 views on YouTube since its premiere.

Free MASTERCLASS

Scientific/Research Writing Masterclass for PhD/MSc

TIME: 6 - 7:30pm (GMT+1) | **DATE:** Thursday 21st & Friday 22nd May, 2020

Elaine Nsoesie PhD

- Assistant Professor at Boston University School of Public Health, USA
- Founder <http://Rethe.org>
- PhD in Computational Epidemiology from Virginia Tech, USA
- Expert in the application of novel data and methods to solve global health problems

Free data grant will be provided to qualified researchers and students to attend this class

Register for the class <https://bit.ly/MasterResearcher>

Classes will run online via Youtube

Natural Language Processing Research Workstream and Mashakene Africa Project

At the bootcamp, Data Science Nigeria created a Natural Language Processing (NLP) stream with a bid to contribute to the African language translation drive. The inaugural meeting had over 100+ participants from various institutions, communities, and locations in Nigeria also passionate about deepening the knowledge of NLP in Nigeria. Kathleen Siminyu, the

Regional Coordinator for AI for Development, championed this stream. Key contributors to this group include Goodness Duru (Retina, AI), Stephen Oni (Data Science Nigeria), Lawrence Okegbemi, Endurance Muogho (Federal University of Technology, Akure), and Idris Abdulkabir Dangana (Di-HUB/Bayero University Kano).



Participation in TOKI 2019

We were the only non-academic institution that presented an academic paper at the 3rd biennial Transition from Observation to Knowledge (TOKI) Conference 2019 hosted by the University of Lagos. The conference was sponsored by the University of Lagos, University of Ibadan, Obafemi Awolowo University, and Data Science Nigeria.

TOKI is the biennial forum for presentation of new research results and demonstration of new systems and techniques in Knowledge Management, Competitive

Intelligence, Big Data, Semantic Web, IOT, Resource Management, Web Mining, Natural Language Processing, Interoperable and Adaptive Information Systems and Data Science. The conference is a two-day event for full and short papers presentations, demonstrations, tutorials, and workshops focused on research and development.

<https://www.toki-ng.net/toki2019/>



NEURIPS 2019 Local Hosting

We held a local viewing meetup of NEURIPS (Neural Information Processing Systems) 2019 conference, the world's largest gathering on artificial intelligence held in Canada. The two-day meet up held at the Data Science Nigeria AI Hub on the 13th and 14th of December 2019. The event was attended by many industry practitioners and Germany-based David Adelani, a doctoral researcher who was on a visit to Nigeria.

The local viewing meetup featured cutting-edge knowledge sessions from top AI experts around the world. The sessions were interactive with review discussions, knowledge sharing, and gifting of free books.





5. Virtual Learning to Stay Ahead of the COVID-19 Lockdown

In response to the challenges of the national lockdown as a result of COVID-19, Data Science Nigeria designed and deployed an inclusive online learning program to support active learning on a large scale. Beginners, intermediate and experts classes were organized with reputable instructors. Free data (internet) grant was also provided to ensure that students who cannot afford to pay for Internet access due to the lockdown of schools do not miss out. Data Science Nigeria ran over 20 classes facilitated by experts, researchers, and practitioners from the United States, Europe, and Africa. The videos cumulatively have more than 133,000+ views on YouTube alone.



Here is a quick breakdown of the virtual classes:

- **Masterclass on hands-on Deep Learning**
<https://bit.ly/2JfyhbN>
- **COVID-19 Data Science Virtual Conference**
http://bit.ly/DSN_COVID19
- **AWS Sagemaker for Machine Learning**
http://bit.ly/AIVirtual_DrIdemudia
- **Putting Data Science in Action through Process Mining**
http://bit.ly/Dr_Okoye
- **The Life of a Postgraduate Data Science Researcher**
https://bit.ly/DSN_Idris
- **Azure Fundamentals and how to pass MS certification**
https://bit.ly/DSN_JohnRobert

- **Umoja Hackathon on Image classification 3rd place winners:**
https://bit.ly/DSN_Umoja
- **Convolution Neural Networks- Build a CNN from scratch**
https://bit.ly/DSN_SteveCNN
- **Computer Vision Using OpenCV step by step**
http://bit.ly/DSN_LekeCV
- **Introduction to Python for Under-13 beginners**
http://bit.ly/Bolu_Python
- **Learn TensorFlow from Scratch**
https://bit.ly/TF_Elisha
- **Natural Language Processing with TensorFlow**
https://bit.ly/TF_Wura
- **Learn R Programming from Scratch:**
http://bit.ly/R_Ezekiel
- **Start Your AI/Data Science Journey with Data Science 101:**
https://bit.ly/Data_Science_101
- **Masterclass on hands-on DEEP LEARNING**
<https://bit.ly/2JfyhbN>
- **Building a World-class Career in Data Science/AI**
http://bit.ly/Dr_Bayo
- **Data Engineering 101 for Beginners**
<https://bit.ly/dataEngineering101>
- **AI/Data Science Scientific Research Writing Webinar**
<https://bit.ly/JoinDSNWebinar>
- **Masterclass on Deep Learning 101 with Dr Stephen Odaibo**
https://bit.ly/Dr_Odaibo
- **Ladies in AI Online Meetup**
https://bit.ly/DSN_LadiesinAI
- **Machine Learning Best practices with Yufeng Guo**
http://bit.ly/DSN_Yufeng

THEME: 5-Day #AIEveryDay Virtual Bootcamp
 TIME: 5 - 7pm (GMT+1)

FREE

Deep Learning 101
 FOR STUDENTS AND PROFESSIONALS

TIME: 5-7 pm (GMT+1) | DATE: Friday 29 May, 2020

Dr. Stephen G. Odaibo

- The only Ophthalmologist in the world with advanced degrees in both Mathematics and Computer Science.
- Founder, CEO & Chief Software Architect / Full-Stack AI engineer at RETINA-AI, USA.
- Doctor of Medicine from Duke University, USA.

FREE

Machine Learning Best Practices
 FOR STUDENTS AND PROFESSIONALS

TIME: 3-5 pm (GMT+1) | DATE: Friday 12 June, 2020

JOIN US TODAY

Yufeng Guo

- Developer Advocate at Google focusing on Cloud AI where he is working to make machine learning more understandable and usable for all.
- He is the creator of the YouTube series AI Adventures, or yt:ba/AIAdventures, exploring the art, science, and tools of machine learning.

Link to Join the Class https://bit.ly/DSN_Yufeng

Provision of Free Internet Data to Students

With the socio-economic challenges brought by the COVID-19 pandemic and the accompanying restrictions, many individuals in our learning community were unable to maintain data-subscription schedules. To address this, Data Science Nigeria provided free data to hundreds of students and researchers. In the initial instance, over 1 Terabyte at an average of 1.5GB per person was given to participants for free through 5 different programs.

Here are testimonials from the beneficiaries:

<https://bit.ly/2VyKobb>

FREE

To support the Artificial Intelligence learning community

1,000,000
Megabyte of Data
 for online studies & cloud based tasks

Exclusive to students in the AI+ membership programme across all the 60+ cities and campuses of DSN operation in Nigeria

To confirm if you qualify, please visit bit.ly/DSN1000GB

www.datasciencenigeria.org

Delivery of Data Science Training For Professionals

During the COVID-19 lockdown, we continued to engage professionals in learning data science for business applications through our virtual training courses designed to cover industry-focused themes via hands-on delivery targeted at entry-level to mid-level corporate practitioners.

The Business and Data Analytics training ran online for five weekends and included hands-on classes focused on the conceptual explanation of AI/Data Science concepts and use of drag-and-drop tools like BigML and Microsoft PowerBI. We completed three face to face learning cohorts successfully before the national lockdown.







Community Engagement Initiatives AI+ Mentorship:

last year, we ran a mentoring stream to support many of our AI+ members. Eligible members of our AI+ Community were mentored for career and skills development by our astute world-class mentors through this support program.

DSN
Data Science Nigeria

ARTIFICIAL INTELLIGENCE

JOIN THE FASTEST GROWING AI COMMUNITY IN AFRICA

Become a member of Data Science Nigeria. Open your Data Science Journey to a new world of possibilities by joining a family.

To register, click:
bit.ly/aimembership

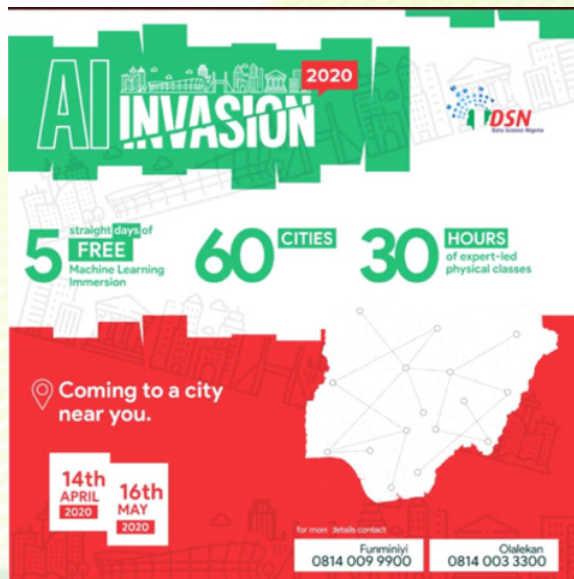
See our community platforms here:
datasciencenigeria.org/ai-communities

List of mentors:

<https://www.datasciencenigeria.org/mentors/>

100 Days of Machine Learning: in preparation for the 2019 AI Bootcamp, we had 100 days of Machine Learning training. The learning videos were uploaded to our YouTube channel and complemented with weekend discussions via a dedicated Slack channel. Participants had the opportunity to ask questions and get explanations one-on-one on the Slack channel. These learning videos have now grossed over 600,000 views and have also been made available offline to our AI+ Communities via the AI+ Knowledge Box.

Link: <https://bit.ly/DSN100DaysML>



100 days of machine learning code challenge

AI Bootcamp 2019 100 Days of Machine Learning & Deep Learning Classes #ML100Days

56 videos • 10,616 views • Last updated on Sep 4, 2019

The InterCampus Machine Learning and the Deep Learning Nigeria 2019 Bootcamp are the 2 qualification routes to the Data Science Nigeria Artificial Intelligence Bootcamp, which is designed to raise a generation of data scientists and Artificial Intelligence experts from all Nigerian universities, polytechnics, colleges and various institutions. It is aimed at upscaling Nigerians with requisite world-class best practice, industry-relevant knowledge and research-readiness skills that support transformational solution development, employability and competitive positioning for global academic opportunities. It is the ultimate learning and application bootcamp

- 1 Day1 #100DaysML: Introductory Class to 100 Days of ML
- 2 Day2 #100DaysML: Probability theory and Statistics
- 3 Day3 #100DaysML: Continue the class on probability and Introduction to Python
- 4 Day6 #100DaysML: Quick fast-track into Python
- 5 Day7 #100DaysML: Model Selection (K Fold Cross Validation, Hold out) and Curse of Dimensionality
- 6 Day8 #100DaysML: Fundamentals of Decision Theory
- 7 Day9 #100DaysML: Information Theory and some Probability Distributions

AI+ Meetups: with our 23 AI+ City Communities and 18 AI+ Campus Clubs, we have organised hundreds of meetups for beginners, intermediate and experts within our community to upskill with practical hands-on research and industry-relevant skills. Each community is led by a community lead responsible for drafting the curriculum, quality assurance, and opportunity creation for all the community members. These meetups also run as parallel sessions across communities with uniform curricula and project Kaggle competitions.

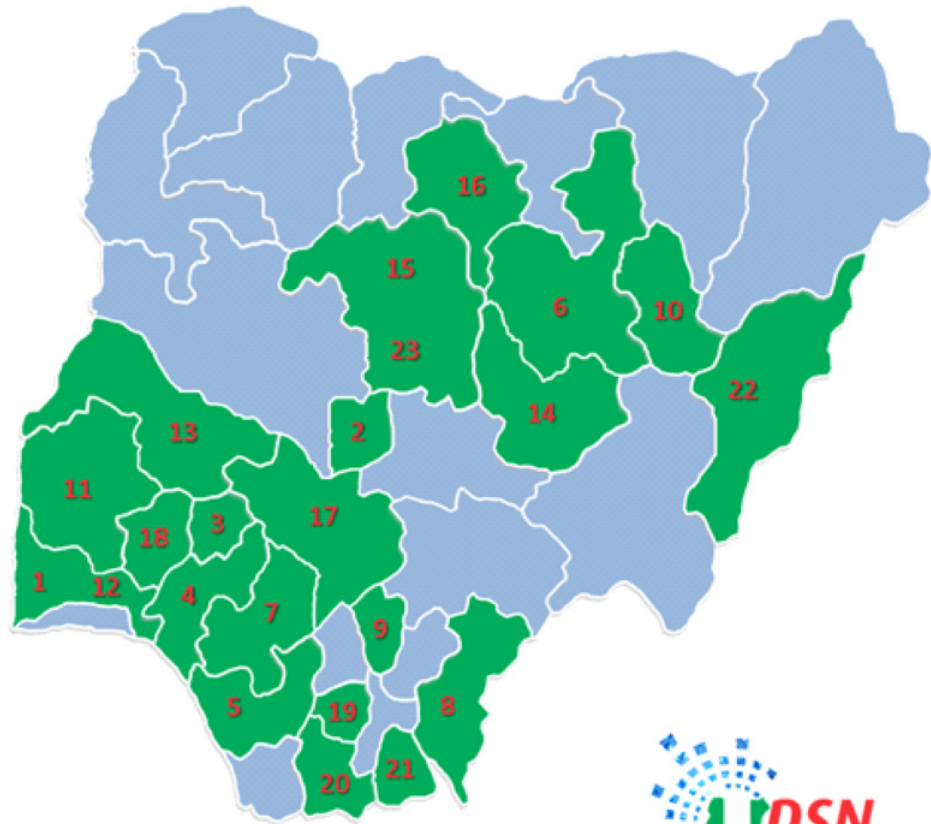
See Campus and City Communities <https://www.datasciencenigeria.org/ai-communities/>

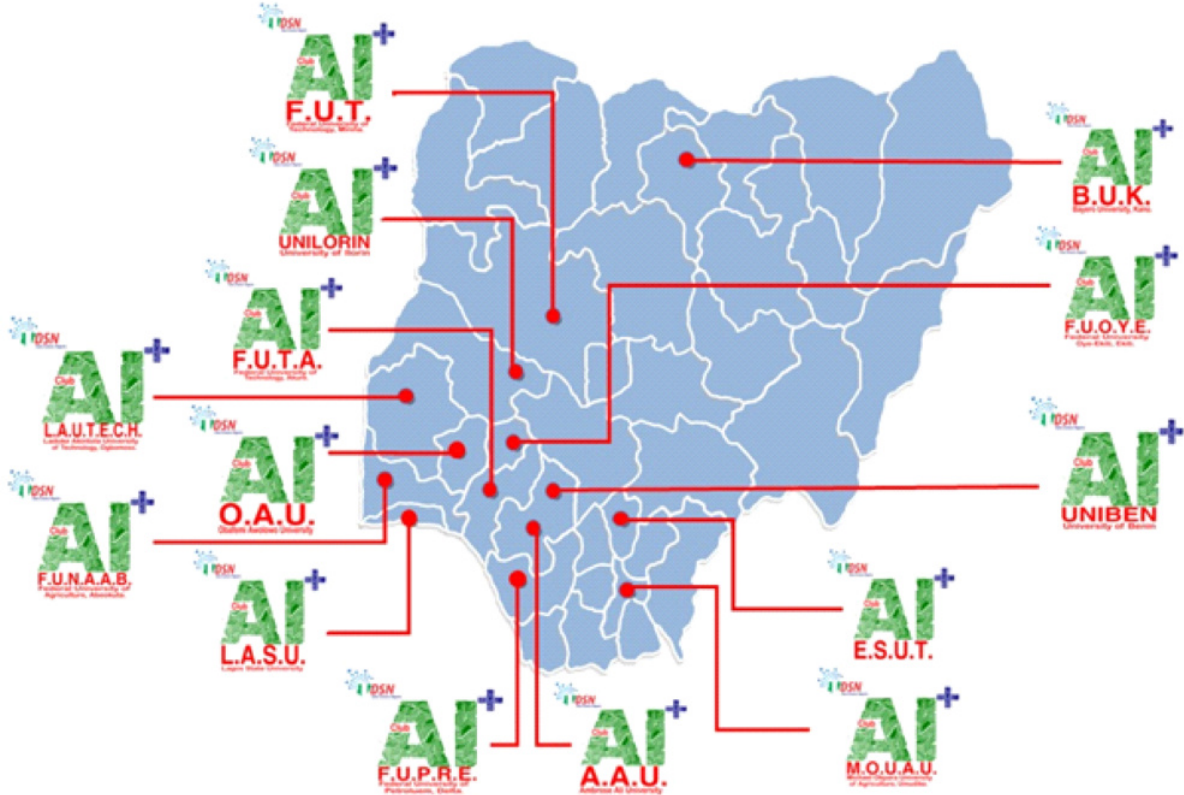




AI City Communities

1. Abeokuta
2. Abuja
3. Ado-Ekiti
4. Akure
5. Asaba
6. Bauchi
7. Benin
8. Calabar
9. Enugu
10. Gombe
11. Ibadan
12. Ijebu-Ode
13. Ilorin
14. Jos
15. Kaduna
16. Kano
17. Lokoja
18. Osogbo
19. Owerri
20. Port Harcourt
21. Uyo
22. Yola
23. Zaria





AI Everyday: to optimally provide learning opportunities for our passionate students, we run intensive six-week cohorts of introductory classes for beginners at the AI Hub. These classes run as **AI Wednesdays** for beginners who are university students or tertiary graduates and **AI Thursdays** for pre-university students. Our introductory classes feature two learning streams of Python and Machine Learning, and our students get to test the knowledge and hands-on skills with a Kaggle Competition project.



AI in Cities: in February 2020, we brought over a thousand students in **11** of our AI+ Communities across **17** Cities together for six weeks to learn Python and machine learning. The Classes were fully hands-on and project-based, with **241** of the students successfully completing the Kaggle Competition. Of these 241 students, **233** were engaging in a Kaggle competition for the first time. The best of the best received free copies of our AI book. To sustain the knowledge growth in the community, each community was given our AI Knowledge Box 2 containing **4 Terabytes** of AI Knowledge as over 17000 videos, eBooks and datasets.



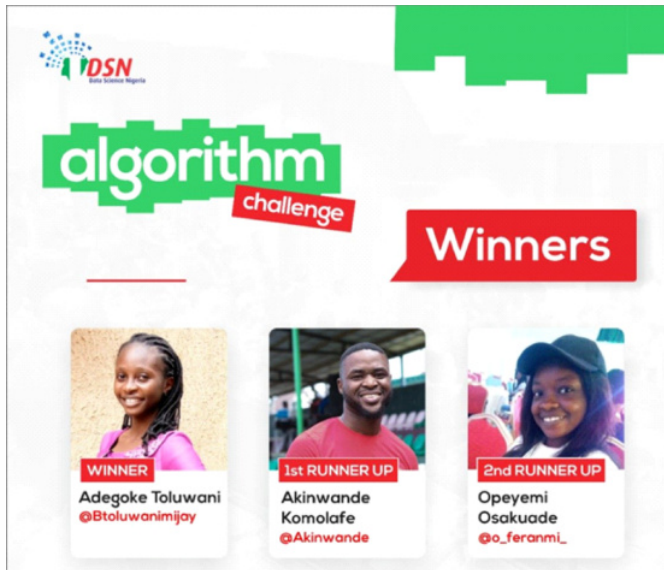
Algorithm Challenge for community capacity building

Data Science Nigeria organized the first of its kind Logistics Regression Algorithm Challenge in April 2020. The challenge was organized to engage the DSN community members in understanding the workings machine learning algorithms; hence the participants were asked to build a machine learning algorithm from scratch.

The challenge lasted for a week, with 147 participants across our campuses and cities. Fifty-four participants forked the repository while 30 made submissions.

Notebook evaluation is based on the following key parameters:

- Mathematical abstraction.
- Code coherence/ modularization.
- Utilization on a dataset.
- Working code/ model generalization.
- Model visualization/ learning rate.
- Instruction



At the end of the evaluation process, the following participants emerged as winners and below are links to their work.

Adegoke Toluwani

<https://github.com/beejhay31/ML-Logistic-regression-algorithm-challenge>

Akinwande Komolafe

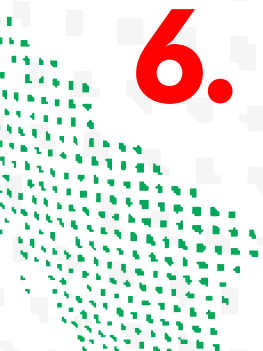
<https://github.com/Sensei-akin/Logisitc-regression-algorithm-from-the-scratch>

Opeyemi Osakuade

<https://github.com/opeyemiferanmi1/ML-Logistic-regression-algorithm-challenge>

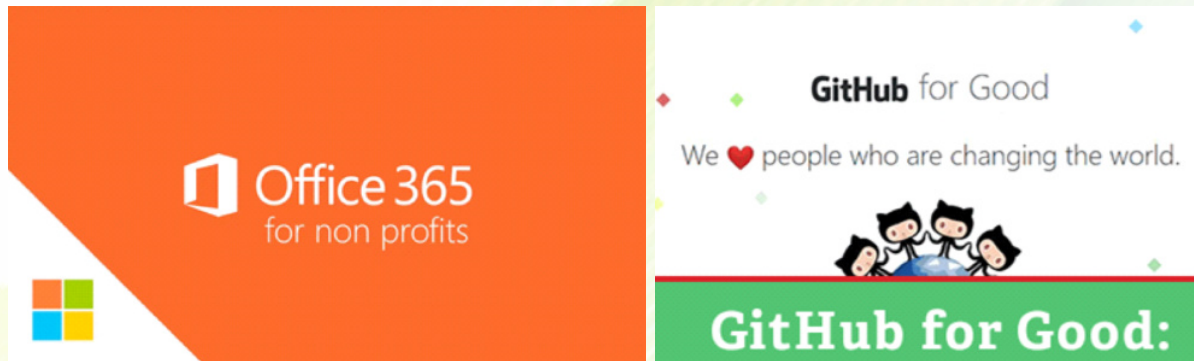


6. Digitalising DSN Operations for Sustainability



Free Grant from Microsoft and GitHub Tools for End-to-End Operational Digitalization

In December 2019, we received an in-kind donation for Office 365 non-profit offers from Microsoft and GitHub. This support facilitated the activation of Microsoft Office packages for all staff and the integration of our documents, meetings, and chats using the various Microsoft tools, such as Outlook, Word, Excel, PowerPoint, Teams, OneDrive, SharePoint, etc.



Effective Remote working: Timesheet, Project Collaboration and Real-time Support

With the outbreak of COVID-19 in Nigeria, Data Science Nigeria activated remote operations for all staff and we have been able to work effectively and efficiently and deliver value to all our clients and stakeholders, even during COVID-19. Timesheets were used to evaluate performance and Microsoft tools such as Teams and OneDrive were used for effective collaboration. We adopted weekly timesheets submission, where the team leads set weekly targets and the team members were evaluated based on the timesheet submitted weekly.

Over 2000 gigabyte of data given out to support our community members to learn at home



Over 100,000 YouTube views in 22 online classes

Kicked off 2 major international grant-based projects



25+ academic papers reviewed and shared with the community members





7. Disruptive and Inclusive Learning through AI Every Day for Everyone Everywhere

MainOne Free Internet at the AI Hub Yaba



We experienced a significant boost to our vision of raising 1 million AI talents when MainOne, West Africa's leading connectivity and data center solutions provider, partnered with us to be the official broadband provider for the AI Hub at Yaba, Lagos in July 2019. The unlimited internet access allowed the participants of our Free AI everyday classes to access top class learning content and real-time data and cloud-based algorithm platforms for developing data-driven solutions.

Read more: <https://techpoint.africa/2019/07/30/mainone-empowers-nigerias-first-artificial-intelligence-hub-with-broadband/>



AI on Campuses and in Cities

As part of our vision to lead learning for individuals and collaborate with institutions, we expanded our community to 23 cities last year. These AI+ City Communities run City-based AI+ learning meetups executed via a structured learning platform for secondary school students, pre-university students, university/polytechnics students and professionals. They run off the AI Everyday model currently being run at the AI Hub in Lagos, with a strong focus on collaborations with local hubs and institutions, curriculum, quality assurance and opportunity creation for all community members. These City Communities are also fully funded and supported by Data Science Nigeria.

Link: See City Communities: <https://www.datasciencenigeria.org/city-communities/>



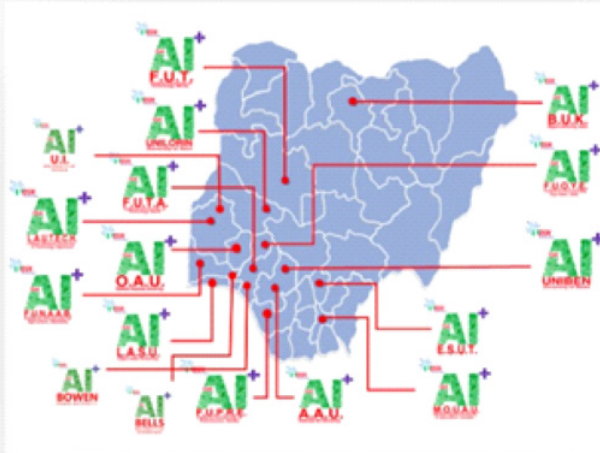






DSN Celebrates the following new campus clubs

AI+ Club UI, AI+ Club Bells and AI+ Club Bowen



for more information about our AI Campuses visit:
www.datasciencenigeria.org/aicampus
#1MillionAITalentsIn10Years

AI Everywhere Classes Across 17 Cities with Kaggle Competition

As part of our contribution to skill validation for our AI in Cities training in 17 cities in Nigeria, we hosted a Kaggle competition which lasted for a week. During the competition, 1,179 entries were recorded from the 241 competitors across the participating AI+ Communities. After a thorough analysis of the distribution of cities on the leaderboard, our belief that talents are everywhere was validated as 233 of these had this competition as their first attempt at Kaggle. Free copies of our AI Book were given to the top three Kagglers in each participating AI+ Community. 81 free copies of the book were distributed during this period to further upskill and encourage participation.

Picture: <https://www.kaggle.com/c/data-science-nigeria-ai-in-citie/leaderboard>





Sustained Growth of Learning Communities on Campuses and in Cities

The AI+ Campus Clubs are currently in 18 campuses across Nigeria. We have also established AI+ City Communities in over 23 communities.

- Campuses: <https://www.datasciencenigeria.org/aicampus/>
- Cities: <https://www.datasciencenigeria.org/city-communities/>

AI Cities Lead Conference

We believe the impact of our communities is hinged upon the quality and effectiveness of our community leads. This is why we commit to training our leads, and inspire and equip them, so they can effectively represent and build their respective Data Science Nigeria AI+ Communities. On June 13, we hosted our community leads on a virtual conference to this end. The conference was packed with sessions on community building and career development to ensure our leads become more valuable people to the community and themselves while giving selflessly to the community.





AI+ LEADERS VIRTUAL CONFERENCE

THEME
Raising 1 million AI Talents in 10 Years

3 DAYS TO GO

VENUE LiveWebinar **DATE** Sat June 13th, 2020 **TIME** 11:00AM - 2:00PM

SPEAKERS:

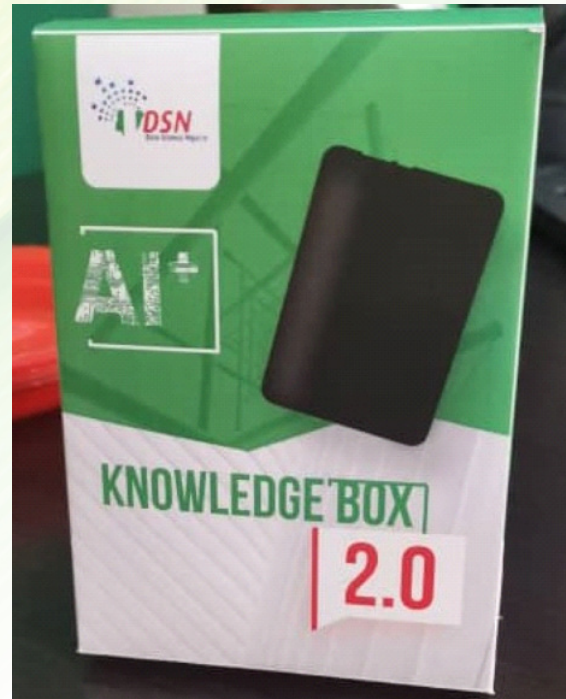
- Dr Bayo Adesokanmbi, Career, Data Science Nigeria
- Akinsande Olatokun, Technical Delivery lead, Data Science Nigeria
- Wurodo Oyewusi, Research and Innovation lead, Data Science Nigeria

FACILITATORS:

- Fuminiyi Olatopu, Assistant Program manager, Data Science Nigeria
- Odemokinde Elisha, AI Campus/Chapter Manager, Data Science Nigeria

Expanding Artificial Intelligence Learning Delivery with AI Knowledge Box

One of the challenges faced by Nigerian students is the high cost of internet data and inconsistent electricity supply. Addressing this issue as it relates to lack of learning content in artificial intelligence, we expanded the model of learning delivery with AI Knowledge Box for our AI+ City and Campus Communities. The Knowledge Box is a hard disk drive of over 17,000 recent publicly available tutorial videos from the world's best universities. It also contains eBooks, datasets, and other course materials. The current version is 4Terabytes and distributed for free across the continent to accelerate world-class learning.





8. Training to World-class Consulting and Solution Delivery



Data Science Nigeria (DSN) expanded its learning community model to include data science consulting and AI solutions delivery. In the last few months, we have delivered quality solution-oriented machine learning projects, corporate training, and bespoke consulting to local and international organizations

Consulting Solutions Grant by Bill and Melinda Gates Foundation (BMGF)

As publicly reported on the grant website, DSN is working on Eko 360. This is a project targeted to improve coordination, integration, and consolidation of data collected from various data sources to support the Lagos Bureau of Statistics (LBS) in establishing an integrated data management platform

Grant Link: <https://www.gatesfoundation.org/How-We-Work/Quick-Links/Grants-Database/Grants/2019/09/OPP1215808>



Crowdsourcing Project

This project explores the use of crowd sourcing approach of data collection by testing the feasibility, reliability, and cost-effectiveness in our focus geographies towards improving health service, product availability and delivery effectiveness

Grantee Link:

<https://www.gatesfoundation.org/How-We-Work/Quick-Links/Grants-Database/Grants/2019/10/INV-002190>

**Capacity Building session in partnership with
Lagos Bureau of Statistics and Ministry of Budget
and Economic Planning, Lagos State**





GRID3 Geospatial Data on Financial Inclusion for National Impact

In 2019, we partnered with GRID3 (Geo-Referenced Infrastructure and Demographic Data for Development), with support from Lagos Business School (LBS), Nigeria Inter-Bank Settlement System (NIBSS), and Central Bank of Nigeria (CBN) to develop an open data ecosystem and knowledge platform for policymakers in the financial inclusion space. The objective and resulting impact of this work are to help financial policymakers better understand the demographic, patterns, and distribution of the financially included and excluded population in Nigeria.

To carry out this analysis, we requested adult population estimates at the local government level and Point of interest (POI) datasets from GRID3. These datasets, combined with the Bank Verification Number (BVN) provided by the CBN, enabled us to calculate the adult

population's BVN penetration index across Nigeria. The resulting analysis shows the penetration of BVN and its inclusiveness which can help financial policymakers make better informed decisions.

AI Commons/Butner Family Foundation - Artificial Intelligence for Health; Reproducibility for Social Good in Emerging Market

The foundation undertook a significant proof of concept project with AI Commons on a multi-market project across Nigeria, Ghana and Tanzania.

The Butner Foundation-funded AI Commons project is proof of the concept of a new methodology of developing artificial intelligence solutions that enables anyone, anywhere to benefit from the opportunities AI provides. The project aims to improve the accessibility, reproducibility, contextualization, and enhancement of artificial intelligence solutions.

AI Commons is a non-profit organization supported by the ecosystem of AI practitioners, entrepreneurs, academia, NGOs, industry players and organizations /individuals focused on the common good of spreading the benefits of AI to everyone.



World Bank Pilot on DataCrowd for Project Accountability and Tracking

Data Science Nigeria worked with the State Employment and Expenditure for Results (SEEFOR) Project team and the Ministry of Finance to pilot a ground truth project using our crowdsourcing solution, DataCrowd. Specifically, the DataCrowd solution was used to answer the following three (3) big questions:

1. Presence of the Project:

DataCrowd was used to confirm the presence of the SEEFOR projects in each of the locations.

2. Performance of the Project:

DataCrowd was used to validate the status and performance of the SEEFOR projects in each of the locations.

3. People:

DataCrowd was used to get feedback from the residents of the communities where the projects were executed.

AI Recruitment as a Service and Data Scientists on-demand

Recruitment of top data science talents for organizations and institutions is part of Data Science Nigeria's industry engagement aimed at building an end-to-end artificial

intelligence ecosystem. We are a leading outsourcing hub of data Science and artificial intelligence professionals in Nigeria with strong Pan-African footprints.

Through this program, we have built a strong database of talents that can be deployed on-demand. We have not only offered recruitment services to local and international businesses in technology, but also in other industries such as finance, agriculture, government agencies, marketing, healthcare and other major sectors finance, agriculture, government agencies, marketing, healthcare, and other major sectors.

CALL FOR TALENT 2020

DATA SCIENTIST

Get Your Talent Unleashed
Speed up your Data Science career with a direct job placement in top industry at local and across the globe with Data Science Nigeria

For more details: Contact Abel
+234 906 000 7001
abel@datasciencenigeria.ai

Join the network here
bit.ly/DSNTALENT2020

VACANCY

DATA SCIENTIST

We are recruiting highly motivated Data Scientists and Data Engineers for our Client, a fast-growing and ambitious tech leader

Have you got the Skills to rock the space?

Be among the **TOP 5 Applicants**

[View Job Description and Apply here](#)

Job Description - bit.ly/DS-Job-Description
Submit Application - bit.ly/DSN-DSApplication
Closing date: Thursday 7 May, 2020

Our World-class Data Scientists are available 24/7 to help you through your Digital transformation journey.

Call Abel now on: 09060007001
To get started

Pivotal Services offered through this program include:

Data Scientist-on-Demand

(Talent Pool Management, Project Support, Project Consultancy Services)

Talent Access and Deployment (Freemium Talent Access)

Recruitment-as-a-Service (Premium Service)

Recruitment-as-a-Service: <http://bit.ly/DSNRaaSF>

Expansion of Talents within DSN

In order to strengthen the team, we have expanded our consulting and operations workforce with experienced business and growth hackers, technical consulting lead, statisticians/data scientists, software engineers and grant/finance management experts from leading local and global organizations. The new model will also afford DSN a platform to scale up, ensure sustainability through self-funding, validate the Nigeria AI ecosystem, accelerate business use cases and provide hands-on learning opportunities for many DSN members (students, young professionals and beginners) across the country through paid internship and project participation.

<https://www.datasciencenigeria.org/newtalents/>

<https://www.datasciencenigeria.org/newqueens/>





Data Science Nigeria Staff Retreat



Data Science Nigeria Staff Retreat



Grant Management training for staff in Kenya



Expansion into a new project office - TY Place, Yaba





9. Deepening Business and Corporate Learning

Artificial Intelligence for Leadership Training for the Nigerian Army

In a bid to establish strategic relationships with top professionals, we ran an intensive 3 days artificial intelligence Leadership and Strategy training in collaboration with the Nigerian Institute of Management (NIM) for senior officers of the Nigerian Army School of Finance and Administration. The training held at the Headquarters of the Nigerian Army Finance Corps, Apapa, Lagos on the 19th - 21st of November 2019. On the final day of the training, we gave the officers a tour of the KPMG Insights center, Lagos, as part of their immersive practical experience. Apart from deepening our relationship with the public sector, it is expected that exposing leaders to the concept of AI will drive our mission to penetrate more sectors in Nigeria and promote AI-centric leadership strategies in the public sector.



Specialized Professional Training for Shell Nigeria

We also conducted an intensive 4-day customized practical hands-on training on advanced analytics for senior level staff and consultants of the Shell Petroleum Development Company in September 2019 at the Data Science Nigeria AI Hub. This training was tailored to analyse AI contributions in a professional setting.



Face-to-Face Business Professional Training

We organised several practical business/Industry-focused hands-on training for entry-level to mid-level corporate/business professionals. These training were led by practicing instructors who function at the highest level of business and academia.





Artificial Intelligence for Business Leaders and C-level Executives

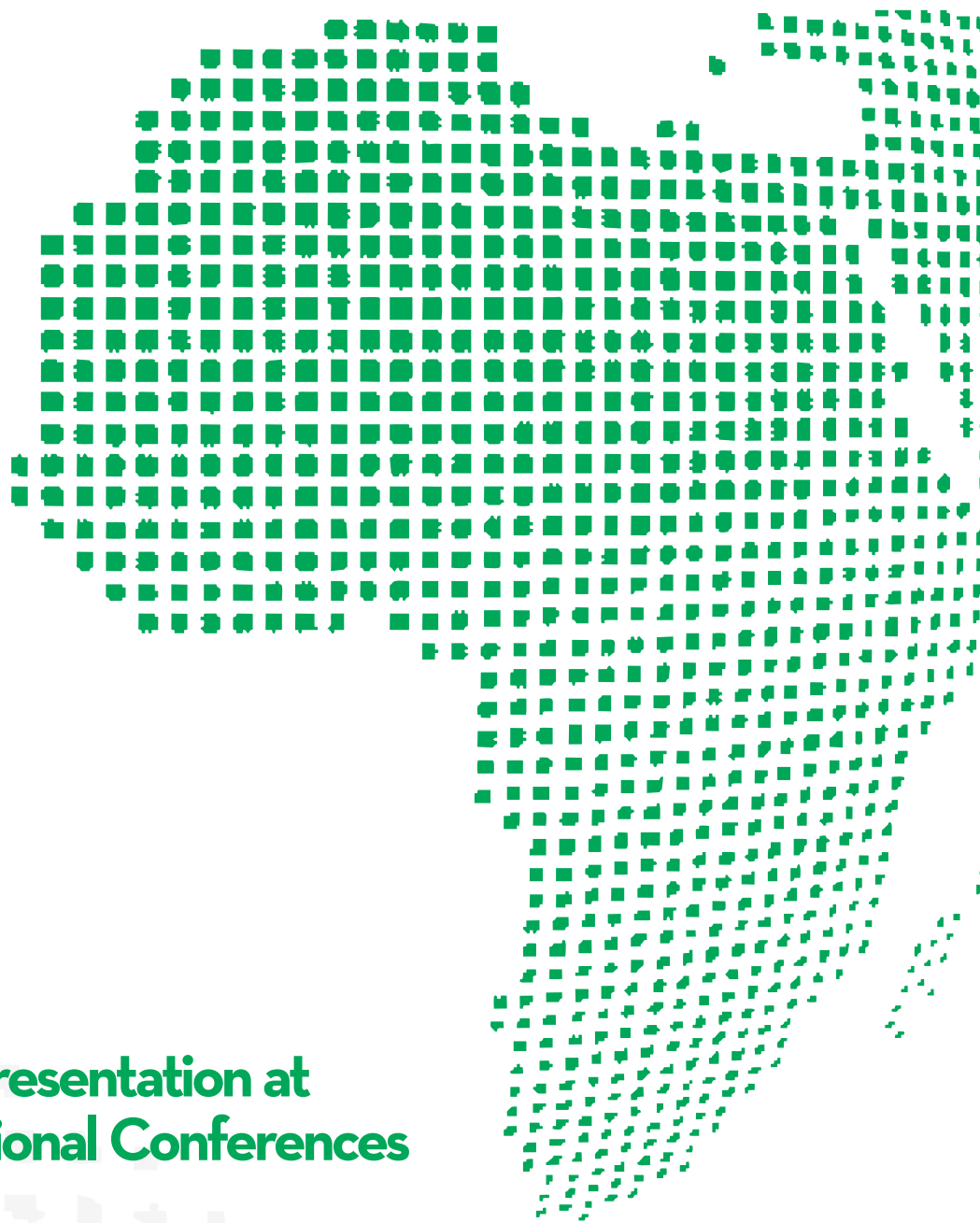
As part of the effort to democratize artificial intelligence knowledge across all decision-makers cadre, we organized a one-day artificial intelligence masterclass for executives and business leaders. The intent was to help business decision-makers understand the concept of artificial intelligence, and its application, while imparting knowledge on the diverse ways it may be used by Nigerian businesses for sustainable impact through innovative solution development, cost reduction and improved operational efficiency.



The masterclass was facilitated by some of the world's best including one of the fathers of artificial intelligence, Professor Thomas Dietterich, the US-based distinguished professor emeritus at Oregon State University and the founder of BigML. Other speakers at the summit were the Director of Data Science at the world's largest brick-and-mortar retailer, US-based Walmart, Dr. Emmanuel Doro; Facebook's Research Scientist, Dr. Eric Sodomka; Dr. Nnnana Orieko, Cloud Solution Architect, Data and AI, Microsoft; Margaryta Ostapchuk, Software Engineer, Microsoft Canada; Sabrina Smay, Software Engineer, Microsoft Canada; Nicholas Litombe, US-based Solution Data Scientist; and Olubayo Adekanmbi, the Convener of Data Science Nigeria and Chief Transformation Officer, MTNNigeria, among others.

<https://www.datasciencenigeria.org/wp-content/uploads/2019/12/DSN-Brochure.pdf>





10. Paper Presentation at International Conferences

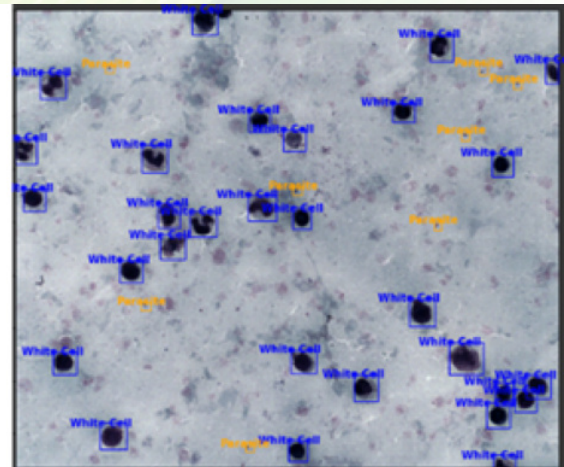
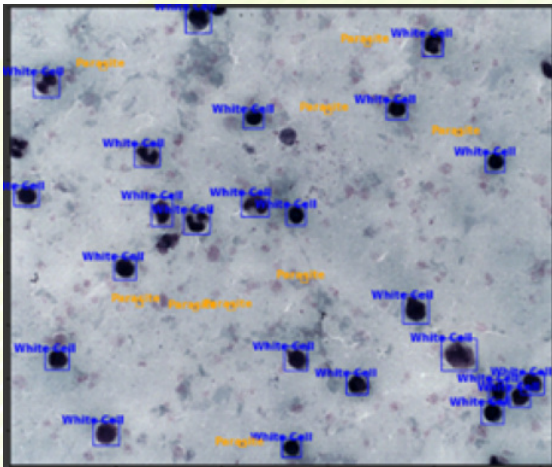
We are committed to sharing findings on AI trends with the relevant stakeholder. We consistently present our in-house research at global research conferences as listed below:

- **NeurIPS 2019:** Neural Information Processing Systems (NeurIPS) is an international conference where researchers from all over the world gather to discuss the latest trends in the AI field. The 2019 edition held in Vancouver Canada and our research on Classroom Facial Detection and Engagement Optimization was accepted for presentation in the Black in AI stream of the conference.
- **ICLR 2019:** International Conference on Learning Representations (ICLR) is the world's leading machine Learning conference. We presented our work on the Semantic Enrichment of Nigerian Pidgin English for Contextual Sentiment Classification at the event which took place on April 26, 2020.
- **Deep Learning Indaba 2019:** Deep Learning Indaba is Africa's foremost artificial intelligence gathering of researchers and students. We won the second-best academic poster with our work on NaLie, a natural language-based classification algorithm for fraud detection.

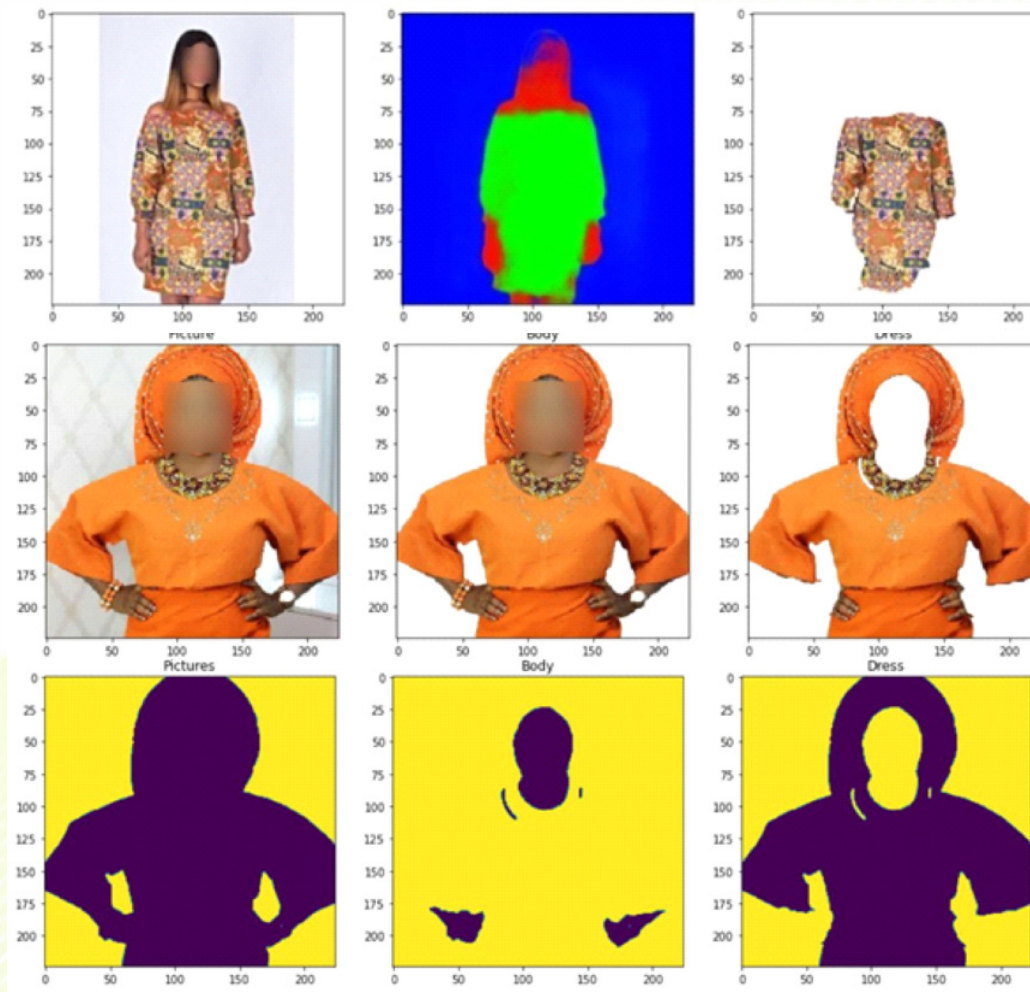
Review of Some of Our Key Projects and Partners

Our in-house researchers continues to explore new frontiers in computer vision, reinforcement learning, and machine learning with these projects:

- **Malaria Dataset Analysis in Partnership with the University College London:** we built an object detection model that can detect malaria parasites and white blood cell nuclei in micrographs from thick film microscopy. These micrographs were labeled by researchers at the University College London and University College Hospital Ibadan, Nigeria.
- The result was a model that has a mean average precision (MAP) score of 0.837 despite the small amount of training data.

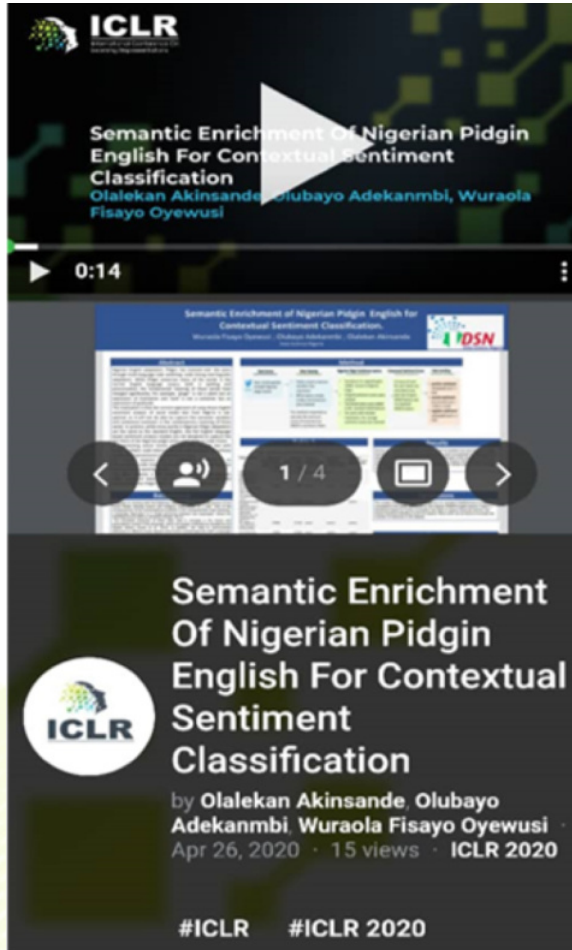


- **NaijaNet:** NaijaNet dataset is a collection of 70,000 Nigerian/African fashion styles to advance machine learning research and create a familiar dataset for Africans to explore machine learning.



• **Semantic Enrichment of Nigerian Pidgin English for Contextual Sentiment Classification:** this research focused on how to optimize sentiment analysis in texts that are pure or code mixed with Nigerian Pidgin English. A dataset that labeled pidgin tweets for their sentiments was also released during this research. This paper was accepted and presented at the ICLR 2020.

Here is a link to the Paper: <https://arxiv.org/abs/2003.12450>



- **AI Class Monitor Expansion into Classroom Seating Optimization:** we launched an AI tool for human activity detection in a classroom and classroom seating optimization to ensure increased positive engagement and better learning outcomes.

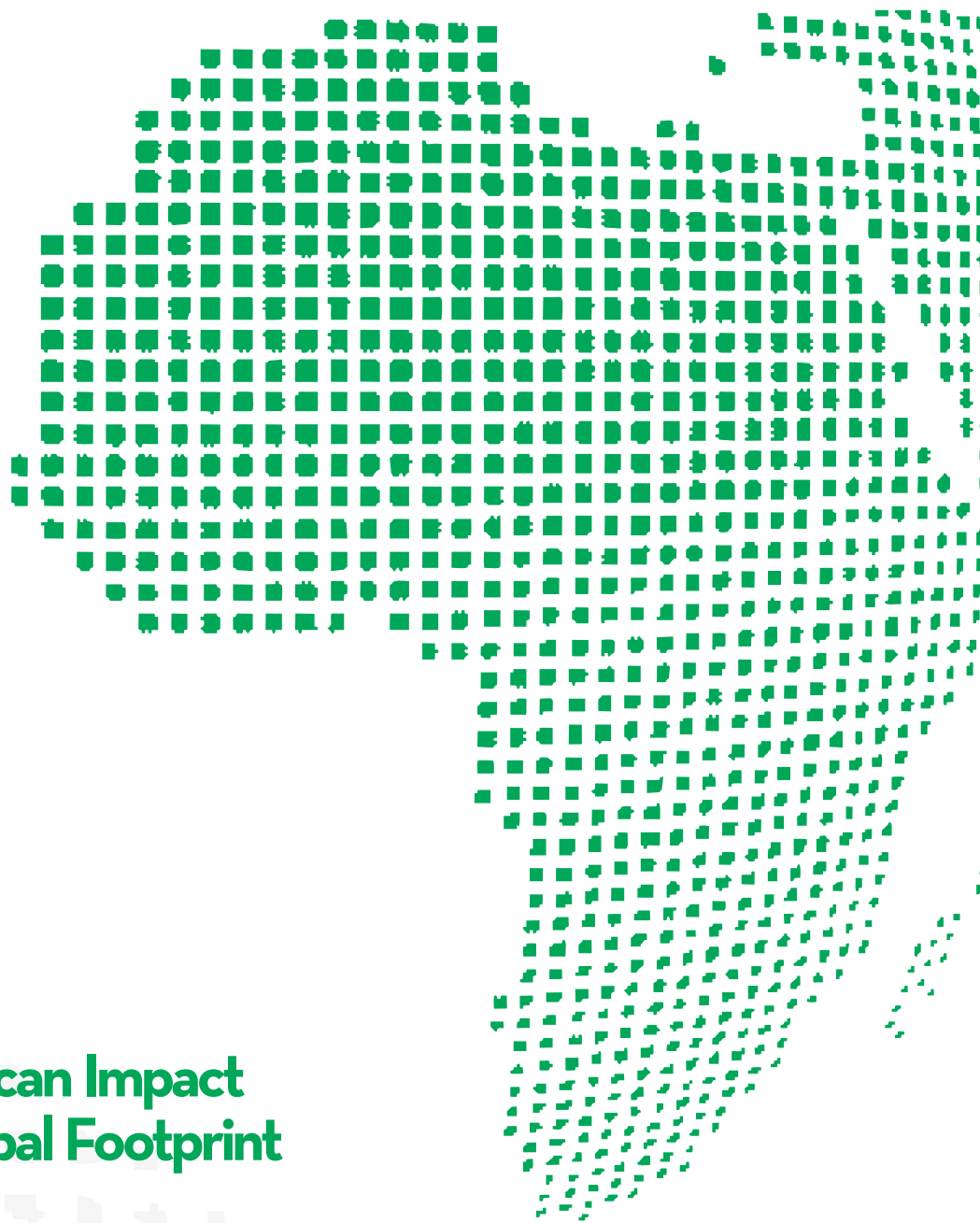
- **DataCrowd App - Data Democratization for Social Good and Business Application:** DataCrowd is a simple Android-based survey tool designed to facilitate real-time data collection in the form of text, picture, video and sound. It has the capacity for offline data capture and geo-fenced data collection capture that validates the physical presence of the volunteer data collector at the specified location of interest.

- **Human Resources CV (Curriculum Vitae) Profiler:** as part of our effort to drive more business applications of AI, we built CV profiler to ease the stress of going through thousands of CVs to find the ones corresponding to the job description.

The profiler algorithm matches the CVs to the job description and ranks them based on how they match the job description. The application uses the principles of document retrieval, but instead of just using key terms to match, it uses the idea of word context of the query in the document (CV).

- The application is not to be used as a stand-alone but as a complementary tool to aid the filtering of the CV's for the Human Resources team.

Research partnership with AI4Development: Data Science Nigeria collaborated with Dr. Adewale Akinfaderin and his team on a project that uses artificial intelligence to categorize parliamentary bills in Nigeria using optical character recognition (OCR), document embedding, and recurrent neural networks.



11. Pan African Impact and Global Footprint



Winning the Highest AI Award in Africa

The largest artificial intelligence learning community and solution delivery network in Africa, Data Science Nigeria, won the Maathai Impact Award at Deep Learning Indaba 2019. This was in recognition of its impact on the lives of hundreds of thousands of young people, impacted with Data Science skills, touched via online, offline, face-to-face, content development and job placement. This award is the highest award in data science and artificial intelligence in Africa and was given to our convener, Olubayo Adekanmbi

Maathai Impact Award Winner 2019



Olubayo Adekanmbi

Founder of Data Science Nigeria, an initiative training Nigerian data scientists, and strengthening the African machine learning and AI ecosystem more broadly.





Tensorflow Event in Lagos

We continued to be part of community development initiatives, especially those that are aligned with our growth strategy and capacity building plan. For example, our Business Manager, Hamzat Oluwaseun and Product Lead, Ayodele Olabiyi gave a community development talk at the Google TensorFlow Roadshow held in Lagos on the 9th of October 2019. They showcased the work we are doing and our drive towards raising 1 million AI talents.





Internship Opportunity for Ph.D. Students from the Institute for Mathematics and Physics, Benin Republic

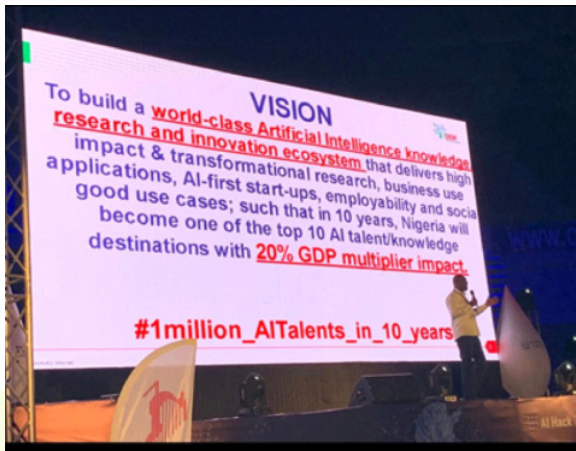
As part of our initiatives to support AI talents on the continent, especially those exploring hands-on research in academic and business intersection, we hosted Ph.D. students from the Institute for Mathematics and Physical Science, Dangbo, the Republic of Benin on a one-month internship at the Data Science Nigeria AI Hub in September 2019. During the period of their internship, the students developed Coding and Machine learning skills to facilitate their research work.



Supporting Ecosystems Across Africa

Data Science Nigeria continues to be a flagship brand supporting the development of artificial intelligence practice and community in Africa.

Our AI Knowledge Box has been freely shared in Ghana, Kenya, Gambia and Zimbabwe. We made a significant presentation at the AI Hack, the biggest AI hackathon in Africa, held in August, 2019 in Tunis, Tunisia.



Our team also made a presentation at the PyCon Africa in Accra, Ghana and the World Bank-sponsored Geospatial AI conference in Abidjan, Cote D'Ivoire, respectively.





Zindi Umoja Hackathon

Data Science Nigeria partnered with Zindi Africa to support Africa's first and biggest virtual inter-university machine learning hackathon, UmojaHack Africa 2020. The hackathon was in three different phases based on the difficulties. Out of over 1,000 data science students from across 70 Africa Universities in 15 African countries, Data Science Nigeria Communities (AI+ Clubs) in Nigeria universities performed exceptionally. DSN AI+ Club of the University of Lagos finished 1st in Nigeria and 3rd in Africa.


TOP 3 DATA SCIENCE NIGERIA CAMPUS COMMUNITY

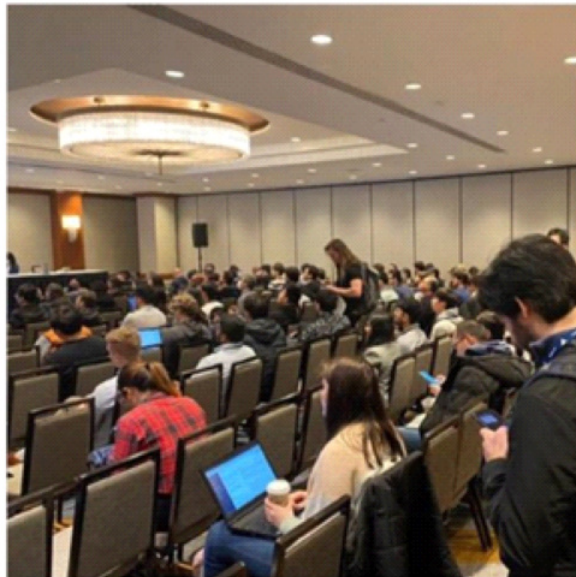
Competition types	Leading Campuses
Beginners	4th position - DSN AI+Unilag (1st position in Nigeria) 8th position - DSN AI+Futa (2nd position in Nigeria)
Intermediate	4th position - DSN AI+Futa (1st position in Nigeria) 10th position - DSN AI+Uniben (2nd position in Nigeria)
Advance	3rd position - DSN AI+Unilag (1st position in Nigeria)



Speaking Engagement at AAAI2020 on AI for Social Good in New York, USA

In February 2020, Data Science Nigeria joined 3,000+ AI experts across the world at the Association for the Advancement of artificial intelligence (AAAI), the world's premier AI conference in New York, USA . Our founder and lead mentor, Bayo Adekanmbi spoke in the AI for good stream on our ongoing work- "Compositionality of the Sociological Paradigm of AI-towards a New Construct" . Our AI book for beginners was also showcased and has received great endorsement as a global best practice on how to introduce kids to AI and motivate structural inclusion.







Participation in the **UK Innovation Hub** event in Lagos



Participation in the visit of the **US Artificial Intelligence** envoy to Lagos





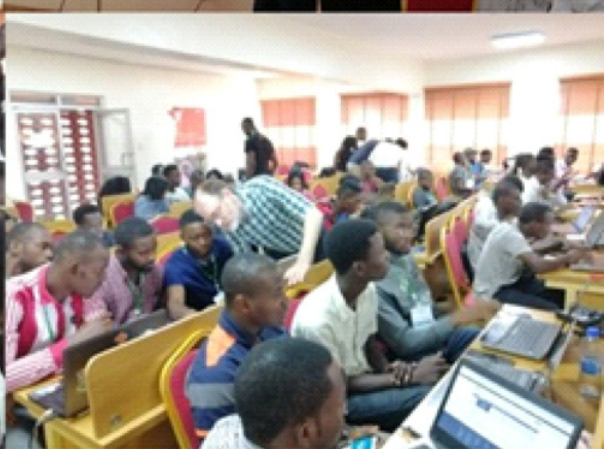
12. AI Bootcamp – the Biggest Learning for the Best of the Best

We have successfully built the most competitive and engaging learning platform in Africa through our AI Bootcamp program, which includes pre-qualification learning, hands-on project immersion, and an all-expense-paid fully-residential bootcamp.

The 2019 artificial intelligence bootcamp was fully residential, with free meals, accommodation and travel grants to all qualified candidates who went through the intensive Kaggle competition and pre-study activities. The bootcamp learning sessions were enriched by 25 leading experts from different parts of the world who came to Nigeria, including : Margaryta Ostapchuk, Technical Evangelist, Microsoft Canada; Sabrina Smai, Software Engineer, Microsoft Canada; Tom Dietterich, Distinguished Professor at Oregon State University and founder of BigML; Dr. Nnana Orieko, Cloud Solution Architect, Microsoft; Kris

Sankaran, of the Montreal Institute for Learning Algorithms, Canada; Anima Anandkumar, Professor of Computing, CalTech, USA; Kathleen Siminyu, AI4Development, Kenya; Dr. Stephen G. Odaibo, CEO, RetinaAI, USA; Samuel Edet, founder of Colloq Initiative; Wale Akinfaderin, Senior Data Scientist, Duke Energy; Emmanuel Doro, Data Science Director, Walmart, USA; Uzo Mkparu, Group Head, CRM, Customer Analytics & Insights FCMB; Pascal Bernard, Head of Data Science, OneFi; Elaine Nsoesie, Assistant Professor, Boston University; Kunle Olukotun, Professor at Stanford University; Nicholas Litombe, Data Scientist and Physicist; Robert John, Data Science Officer, EnterFive; Dr. Sakinat Folorunsho, Lecturer, Computer Science, OOU; Olubayo Adekanmbi, Convener of Data Science Nigeria and Chief Transformation Officer, MTN Nigeria, among others.











Qualification Path: to help as many as possible get started and fine-tune the skills and knowledge in artificial intelligence, DSN kicked off 2019 bootcamp qualifications with the 100-days of machine learning (ML) program. This was complemented with a Kaggle competition based on business specific dataset.

<https://www.kaggle.com/c/titanic2019/leaderboard>



Posters for Research Display

Building a world-class research ecosystem is part of our vision and one of our strategies for accomplishing this is training researchers from their time as undergraduates and opening opportunities to showcase their various research and scientific writing skills. During our 2019 AI Bootcamp, we called for posters in the AI-for-Good category from our AI+ Community. The Best Poster Award sponsored by Retina AI went to Rising Odegua and team for the poster: WeboDoc; a web-based application for classifying pneumonia and malaria images

DSN
Data Science Nigeria

AI Bootcamp

**AI for Good
Call for Posters**

Submission Deadline: 25 October, 2019

Details and Submission
<https://bit.ly/2n4XkGQ>

RETINA-AI

AI Bootcamp Awards

Mr. Algorithm:

this award was presented to Rising **Odegua**. This award was voted for by attendees and given to a male individual who supports community development and knowledge. This category of award was sponsored by Terragon Group. The winner received travel grant to Deep Learning Indaba 2020 in Tunisia.

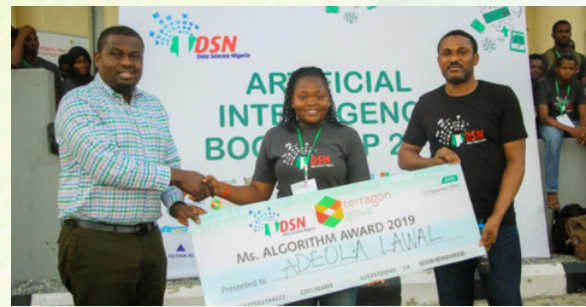
Best Female Data Scientist:

the Best Female Data Scientist award went to Sarah Adigwe. Sarah was the best female participant in the bootcamp's qualifying hackathon and the intercampus quiz competition. She received a travel grant to attend Deep Learning Indaba 2020 in Tunisia courtesy of the MainOne Internet.



Miss Algorithm:

this award was presented to **Lawal Adeola**. This award was voted for by attendees and awarded to a female individual who supports community development and knowledge. Terragon Group sponsored this category of award as the winner received travel grant courtesy of Terragon Group to Deep Learning Indaba 2020 in Tunisia.z



Artificial Intelligence School of the Year:

the AI School award went to the University of Lagos for having the highest number of participants at the 2019 AI Bootcamp.



Special Recognition Award: - the Special Recognition award was given to Dr. Victor Odumuyiwa, Director at the University of Lagos Centre for Information Technology and Systems, for his outstanding commitment to Nigeria's artificial intelligence community.



Industry Support Award: - to celebrate the works of our industry partners, industry awards were given to the trio of Mr. Emeka Okoye of Cymnatiks, Mr. Adebayo Aderibigbe of Chevron Nigeria, and Mr. Blessing Oladeji of Octave Analytics.



Stellenbosch University Scholarship Award: the winner of the Intercampus Competition, **Obinna Onuoha**, and the first runner-up, **Hakeem Kazeem**, received scholarships to pursue Master of Science Degrees in artificial intelligence at the prestigious Stellenbosch University, South Africa. The scholarships were sponsored by Microsoft 4Afrika and Bluechip Technologies.





- **Best Poster Award:** the Best Poster award went to Rising Odegua. This award was sponsored by Retina-AI

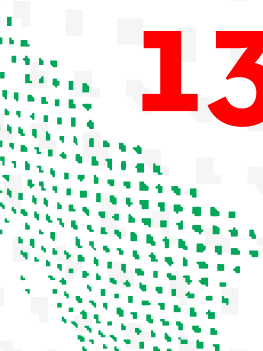


Presentation of latest AI books to the University of Lagos





13. Inclusion and Gender



Data Science Nigeria is an all-gender inclusive organization, with a strong vision of advancing technology for women in AI. We believe inclusion must be deliberate and focused to ensure all segments are practically involved. Our efforts to get more women involved in the world of data science and artificial intelligence resulted in the recruitment of 3 outstanding female data scientists to join our team full time. Our Executive Director for Talent & Process and Innovation and Research Lead are female.



<https://www.datasciencenigeria.org/newqueens/>

Our drive for increased female inclusiveness in AI has led to the development of this initiatives for ladies in AI.

Ladies in AI Mentoring and Networking Community: Ladies in AI by Data Science Nigeria is a professional learning and networking community targeted towards gender-inclusiveness that benefits the business community by increasing female representation and participation in data science, data analytics, data visualization, data governance & policy, artificial intelligence, machine learning, robotics, and everything data.

It creates a friendly platform for technical and professional conversations, research, networking events, mentoring, and hackathons.

The premier event took place online as a result of COVID-19 and had over 910 Live views during the event on the 31st of May, 2020.

Link to Recorded Event:

<https://www.youtube.com/watch?v=72KV7mdbOVQ>

Our speakers at the inaugural meetup were Dr. Jania Okwechime- Associate Director, Deloitte-west Africa Data Analyst Leader; Uzo Mkparu, Assistant VP/Group Head,



CRM, Customer Analytics, FCMB; Bolaji Kujembola-Senior Manager, Technology Demand and Application Management IHS Towers; Mojisola Olawepo- IT Strategist, Sterling Founder, Everythingondata; Aigiomawu Ehiaghe, Co-Founder/CTO, Vesicash.

Inclusion Policy for our Bootcamp: as part of our goal to balance gender inclusion among AI practitioners, we developed an inclusion policy that emphasized the provision of non-competitive seats of a minimum of 40% for female at all our competition-based programs. This was demonstrated at the 2019 AI Bootcamp where extra slots were given to ladies, thereby increasing the number of ladies present at the bootcamp. We have also come up with an algorithm for a special allocation

of grants and support for ladies to support their visibilities and participation at all our events.

Celebrating Female's Milestone Dates - International Day of Women and Girls in Science Celebration

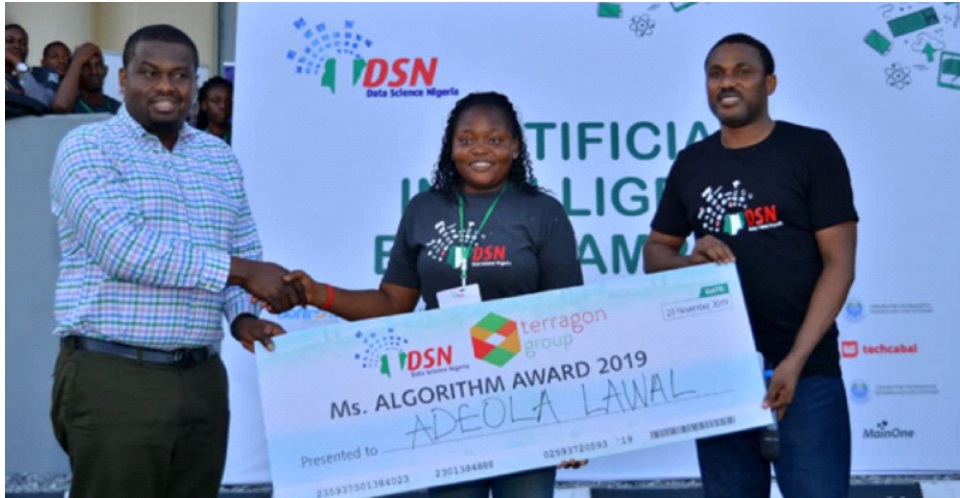
As a gender-inclusive organization driving the impact and participation of women in artificial intelligence, data Science and everything about Data, on International Day of Women and Girls in Science, we celebrated women driving impact, leading, and supporting the artificial intelligence ecosystem in Nigeria and Africa at large.



Best Female Award at AI Bootcamp to Indaba:

Data Science Nigeria gave a full-expense grant for the best female at the IndabaX Nigeria to attend the Deep Learning Indaba conference, which took place in Kenya in August 2019. Our winner, Mrs. Opeoluwa Iwashokun, developed Palm (Biometric) Recognition on Android Phones using Deep Learning Approach Palm.



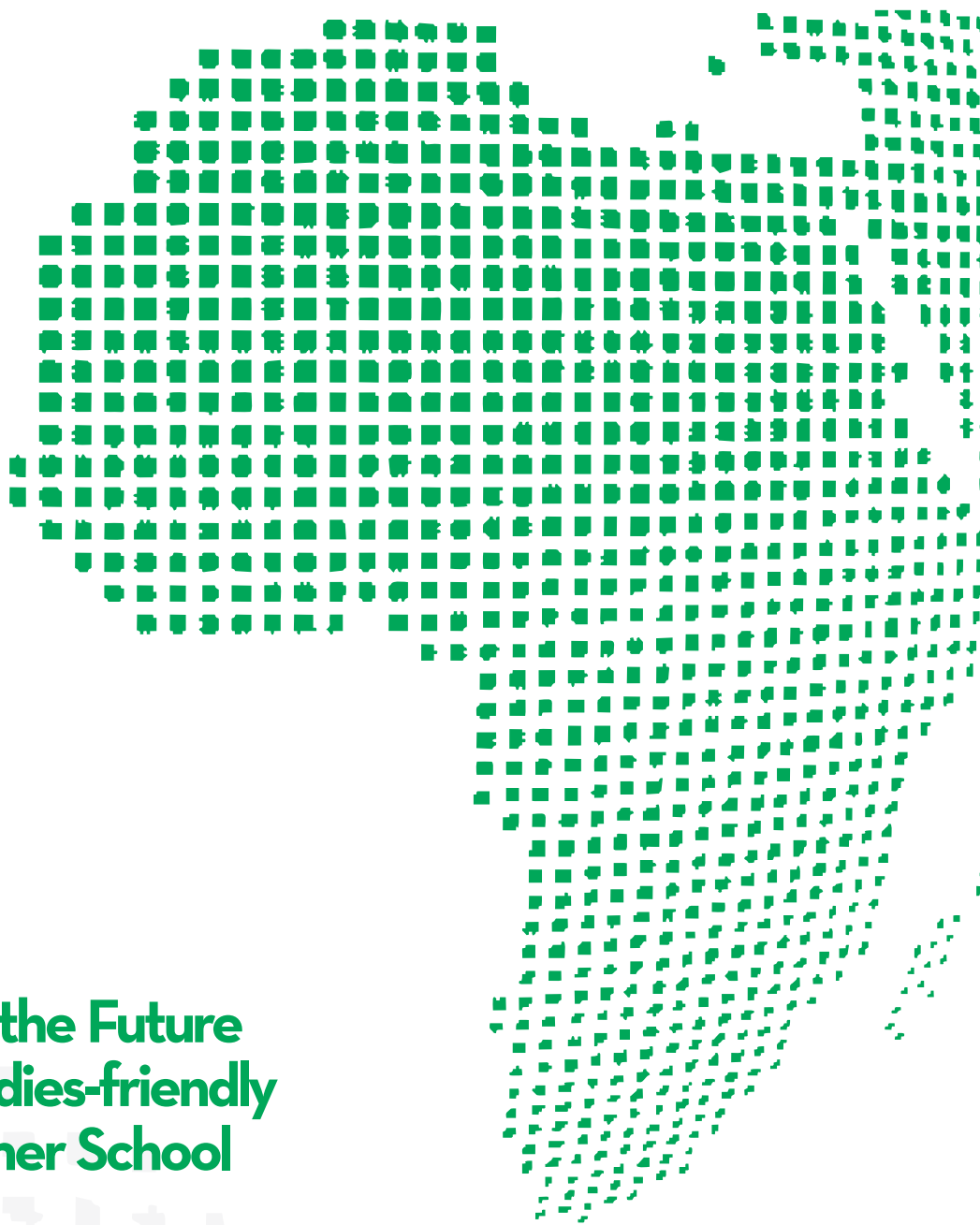


Women in AI Session at AI Bootcamp 2019: To create female-specific mentoring platforms, a new stream was included in the AI Bootcamp to cater for women career development discussion.



Data Science Nigeria at the World Bank GIS retreat, Abidjan, Cote D'Ivoire





14. Building the Future with Kiddies-friendly AI Summer School

Summer School Training Program

We believe strongly at Data Science Nigeria that there is no future without children. In building a sustainable future, skills must be imparted as early as possible to create more opportunities for the development and grooming of such skills. Children are included in our mission to train a million AI talents in 10 years. As part of our unique learning platforms, we have our **AI Summer School** for children in JSS1 to JSS3 (Grade 7- Grade 9). This is a program with a curriculum created for children and featuring a lot of engaging projects on **Scratch** and **Turtle**. In our weeklong August 2019 Cohort, we introduced the children to Scratch, Python programming, artificial intelligence and robotics.





AI SUMMER SCHOOL FOR SECONDARY SCHOOL STUDENTS
Python Programming | Machine Learning Basics **FREE**

Requirements : Good performance in Maths, Sciences and ICT

1010 0111

JSS 1-3 ONLY

3 STUDY CLUSTERS. PICK YOUR BEST OPTION.
16 -20 July | 30 July - 4 August | 13 - 17 August

Every class takes only 50 students and it is only first come first served. | 9-11:30am Daily

To register, visit www.datasciencenigeria.org/AIintro
Venue: DSN AIHub, University of Lagos. By 2nd Gate.

For more information:
Datasciencenigeria @ www.datasciencenigeria.org
<https://goo.gl/Vicjyp> info@datasciencenigeria.org

During this program, the children are involved in daily hands-on in-class projects which reinforce learnt concepts. Moving from this program, a couple of our students went on to win second place in the **MTN Nigeria Kiddies Hackathon 2019**.

Online Introductory Class by Mobolurin (Bolu) Adekanmbi - A Teenage Data Scientist

As part of the programmes during the COVID-19 virtual classes, we organized an Introduction to python and machine learning for Kids. This class was facilitated by a young teenage data scientist, Mobolurin Adekanmbi, where he introduced basic python (installation, IDE, expression, variables, data types, etc.). This class was one of our most viewed virtual Bootcamp class on YouTube, with over 27,000 views in less than 2 months.



#AIEveryDay Virtual Bootcamp Season 2

Introduction to Python Programming for Under-13 beginners

Bolu Adekanmbi

Date: Thursday 16th April 2020
Time: 12noon - 1:30pm (GMT+1)

Morning & Evening Sessions

Book a seat now to receive the class links:
https://bit.ly/AIEveryDay_Virtual_Bootcamp_S2

Classes will run online via YouTube

Pre-University AI class

Our learning platforms also include programs for pre-university students. This runs under our AI Thursdays training. During this programme, we teach introductory classes on python and machine learning for 6 weeks, with a focus on students who have finished high school and awaiting admission to tertiary institutions. The classes are project-based, and skills validated with an in-class Kaggle competition. We ran 2 cohorts of this classes in 2019, training over 200 students across Nigeria.



Links(s): <https://twitter.com/DataScienceNIG/status/1227965893201842176>

AI for Social Good Debate for Secondary School at the AI Summit 2019

The artificial intelligence for Socio-Economic Development Summit, held at the Oriental Hotel, Victoria Island, Lagos on Tuesday, November 19, 2019 from 8 am to 1 pm also had students from various schools in attendance. An AI debate was included on the agenda for the 2019 AI summit, to ensure the voices of students were heard in the global conversation on AI. The debate featured top schools in Lagos. Julliard Academy won the debate, Chrisland School, Opebi was the first runner-up, and Atlantic Hall, Epe was the second runner-up. Each school that participated was given an award and free copies of the Beginners' Artificial Intelligence and Python Programming book.





15. Community and Capacity Building Models

Mentorship Support

Last year, we were privileged to run a mentoring stream supporting many of our AI+ members. Eligible members of our AI+ Community had the opportunity of being mentored for career and skills development by our astute world-class mentors. This program catalyzed many careers and created opportunities for many AI+ community members, including international participation and high-impact higher degrees (MSc/Ph.D.)



Link(s): Mentors: <https://www.datasciencenigeria.org/mentors/>

Name	Position Title	Company
Alistair Miles	Head of Epidemiological Informatics at the Centre for Genomics and Global Health	University of Oxford
Jeff Herman	Data Scientist	Kansas City Southern Railway
Moyosoreoluwa Akala	Data Scientist	Hood Group, United Kingdom
Samuel Edet	Doctoral Researcher	IMT School for Advanced Studies, Italy
Sharat Manikonda	Data Scientist	ExcelR and Innodatatics
Stephen Olateru	Big Data Specialist	
Dr. Wale Akinfaderin	Senior Software and Data engineer	
Rishabh Upadhyay	Data Scientist	Darkmatter
Abiodun Shomoye	Team Lead	DataIQ Nigeria
Alex Conway	Research Director	NumberBoost

Babatunde Olorisade	Software Engineer	Keele University
Damilola Ojo	Partner and Head of Data farm Analytics Enablement	Delta Partners
David Adelani	Ph.D. Student	MPI-SWS
Dr. Arinze Akutekwe	Senior Data Scientist	Fujitsu
Dr. Johnson Iyilade	Principal Data Science and Engineering Consultant	Glomacs IT Solutions and Services
Dr. Kingsley Okoye	Data Architect	Tecnológico de Monterrey
Dr. Kolawole Adebayo	Research Fellow	CIRSFID, Bologna
Dr. Phil Ogun	Senior Research Associate in Manufacturing Automation and Informatics	Loughborough University
Dr. Ransford Hyman	Sensei On-Device Machine Learning Engineer	Adobe
Dr. Raphael Yemitan	Senior Manager Advanced and Predictive Analytics	PwC Nigeria
Dr. Sulaimon Afolabi	Data Scientist	GetSmarter

Dr. Taiwo Ajani	Program Coordinator, Computer Information Systems	Ferrum College, Virginia
Dr. Taiwo Togun	Founder/CEO/Data Scientist	SeqHub Analytics LLC
Humphrey Obie	Postdoctoral Research Fellow Values-oriented Software Engineering	Monash University
Jean François Aie	Manager, Advanced Analytics	Aimia Inc, (Toronto, Canada)
Jeremiah Fadugba	AI Developer	Nal Vietnam JSC
Koye Sodipo	Associate	Bain & Company
Ladi Omole	Partner	LaDIOM LLC
Abayomi Adelowotan	Lean Six Sigma and Data Analytics Advisor	Chevron
Mohit Nalavadi	Data Scientist	Commerce tools
Ngozi Dozie	Co-founder	Carbon
Olalekan Aboubakar	Sr Data Scientist	SiriusXM

Olalekan Akinsande	Data Scientist/ Technical Delivery Lead	Data Science Nigeria
Omobolaji Kujembola	Data and Analytics (Analytics Innovation and Strategy Lead)Assistant	PwC
Prof. Diane Igoche	Professor	Robert Morris University
Rahmon Ojukotola	Founder/CEO	StartCredits
Yigal Weinberger	Lead Data Scientist	Palo Alto Networks
Liemiso Mpotu	Data Scientist	Sasfin
Eric Hamers	Data Scientist	Zoop
Yasser Hossam	Data Analytics Consultant	DataZone
James Allingham	Deep Learning Consultant	Wolfram Research
Leif Sigerson	Data Scientist	Pinterest
Deepanshu Setia	Senior ML Engineer	Samsung R&D

Sijuade Oguntayo	Machine Learning Engineer	Omdena
Dr. Dumebi Okwechime	Chief Decision Scientist	RenMoney
Oluwole Ogungbesan	Advanced Analytics & Automation Lead	UBS AG
Corne Nagel		
Dr. Uyi Stewart	Senior Director, Data Science	Seattle Genetics
Dr. Olufemi Oyenuga	Chief Customer Architect- ECEMEA, Data Scientist	ECEMEA
Iyinoluwa Aboyeji	Member board of the Governors	OneAfrica
Dr. Samuel Durugo	Senior Data Scientist	Stint
Abiodun Modupe	Lecturer	University of Witwatersrand- University of Pretoria
Faith Mwema	Data Analyst	SAP SuccessFactors
Aneshan Ramaloo	Customer Advisory- Artificial intelligence	SAS Sydney



AI Cities Project-based Kaggle with 241 Participants Solving Real Problems

As part of our contribution to skill validation for our AI in Cities training in 17 cities in Nigeria, we hosted a Kaggle competition which lasted for a week. During the competition, 1,179 entries were recorded from the 241 competitors across the participating AI+ Communities. After a thorough analysis of the distribution of cities on the leaderboard, our belief that talents are everywhere was validated, as 233 of these had this competition as their first attempt at Kaggle. Free copies of our AI Book were given to the top three Kagglers in each participating AI+ Community. A total of 81 free copies of the book were distributed during this period to upskill further and encourage participation.

Picture: <https://www.kaggle.com/c/data-science-nigeria-ai-in-citie/leaderboard>

Link(s): <https://twitter.com/DataScienceNIG/status/1242058058634858498>

#	Delta	Team Name	Notebook	Team Members	Score	Entries	Last
1	---	[Deleted]			1.00000	2	3mo
2	+8	Lagos_Isong Josiah			0.97463	6	3mo
3	+19	Lagos_Celestine Chidi Azonobi			0.97463	23	3mo
4	+1	Ph_Blessing			0.97463	13	3mo
5	+4	Sherlocked			0.97101	8	3mo
6	+5	Lagos_AbdulkareemAhmed			0.97101	4	3mo
7	+5	Lagos_Akintola Stephen			0.97101	13	3mo
8	+5	Benin_Adibe-EI			0.97101	12	3mo
9	+5	Lagos_AbuOsayuwamen			0.97101	20	3mo
10	+5	Lagos_Olumide			0.97101	11	3mo

Hands-on Hackathon - Max.ng/SeqHub/Data Science Nigeria Joint Hackathon

As part of our goal to raise industry-ready AI talents and deepen the application of artificial intelligence for business use-cases, we organized the Hack the Future Ideathon in partnership with MaxNG, one of the foremost leaders in the bike-hailing and logistics industry in Nigeria, and SeqHub Analytics based in the USA. The Hack the Future challenge was a competition for AI/machine learning experts, researchers, and students with practical and bold AI/machine learning applications or solutions that can add immediate value to companies in the logistics or bike-hailing

industry like MaxNG. The competition provided a platform for participants to showcase their skills, talents, and innovative ideas to interested stakeholders. In return, they were rewarded with cash prizes and a high-quality internship with SeqHub Analytics.

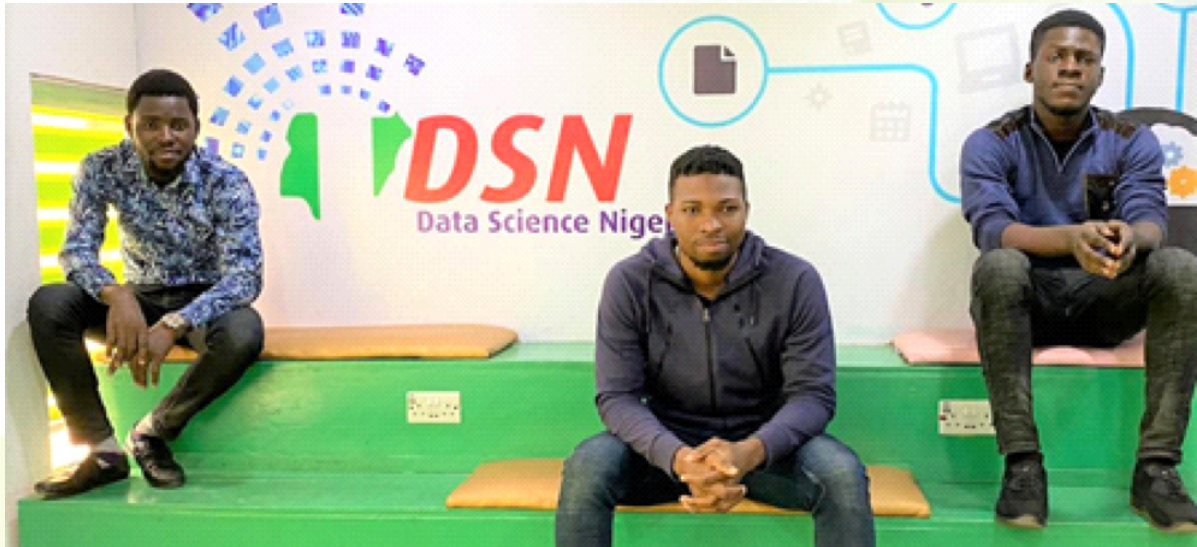
Out of 40 brilliant entries, 7 teams were selected to present their AI concepts/prototype at the final pitch event held on the 18th of January 2020 at the Data Science Nigeria AI Hub, Yaba, Lagos. Team VISEF comprising of Ojewale Victor, Oladapo Oluwaseun and Adebayo Faith came first, winning \$700 and an interview opportunity with SeqHub Analytics. Team Maxcluster comprising of Bamigbade Opeyemi, Babjide Oluwatobi, Funminiyi Oladapo were the first runner-up, winning \$300 and an interview opportunity with SeqHub Analytics. Team DSN AI+ LASU comprising of Aminu Israel, Olamilesi Animashaun, Tijani Jamiu were the second runner-up, winning an interview opportunity with SeqHub Analytics.

The competition judges were Olusegun Leigh, SeqHub Analytics Nigeria Manager; Kalada Kienka Technical Manager, MaxNG; Michael Nwoseh, Strategy Growth Lead, Data Science Nigeria; and Koye Sodipo, Product Manager, Microsoft Nigeria.



Onboarding Campus Leads on Project Participation and Paid Internship

In its quest to raise 1 million AI talents in 10 years and position Nigeria as a leading AI Hub, Data Science Nigeria expanded its learning model by integrating a paid internship programme for students. Students were engaged at the Data Science Nigeria AI Hub for research, project participation, and teaching tasks. The trio of Rising Odegua, Stephen Oni, and Odemakinde Elisha were onboarded in early 2020.



Corporate Internship for Community Members: Data Science Nigeria continues to be a major talent pipeline for the country and has created an internship scheme for its students' network to participate in the fourth year university and National Youth Service Corps (NYSC) internship program across top organisations in Nigeria.

At the 2019 AI Bootcamp, the two best performers in the AXA Mansard sponsored competition on insurance risk algorithm development, Raheem Nasirudeen, and Adegunle Babatunde secured paid internships with reputable organisations in Nigeria.



Job Placements and Recruitment as a Service

Data Science Nigeria has evolved to become a leading outsourcing hub of data science and artificial intelligence professionals in Nigeria. We run the data scientists on-demand program, which allows companies to access talents from our pool of community experts across different expertise cadre. We also help companies to recruit AI talents.

VACANCY

DATA SCIENTIST

We are recruiting highly motivated Data Scientists and Data Engineers for our Client, a fast-growing and ambitious tech leader

Have you got the Skills to rock the space?

Be among the **TOP 5 Applicants**

[View Job Description and Apply here](#)

Job Description - bit.ly/DS-Job-Description
Submit Application - bit.ly/DSN-DSApplication
Closing date: Thursday 7 May, 2020

DSN
Data Science Nigeria



16. Data and AI for National Impact and Government

Partnership with the National Economic Summit Group on Data Nerve Centre Project

Data Science Nigeria is currently partnering with Nigeria's foremost economic advocacy group, the National Economic Summit Group to build a Data Nerve centre in Nigeria that would help drive economic growth and development, through the use of Artificial intelligence-driven decisions. This is in alignment with the Data Science Nigeria's vision to leverage AI for a 20% GDP multiplier effect factor.

The phase 1 of the project, which was executed in partnership with Octave Analytics team include the following:

- Building a data map for sustainable economic growth (SEG) A tree structure that

identifies every unique indicator that determines inclusive, competitive and economic growth

- Data visuals and models that were able to point out unique indicators and parameters that could aid economic growth

In the long run, the team was able to come up with a data map for sustainable economic growth and a model which pointed out five unique indicators in the manufacturing sector such that if embarked upon, there will be a GDP rise by 40.3%.

AI for Social Good Conference: As part of the effort to drive the nationwide application of artificial intelligence, Data Science Nigeria hosted its annual Artificial Intelligence Summit in November 2019 focused on high-impact socio-economic development.



Supported the World Bank on Geospatial Hackathon:

Data Science Nigeria supported Data4Governance Hackathon organized by the World Bank and CcHub Lagos. Two of our staff, Olalekan Akinsande and Olusola Oseni, facilitated a hands-on session on geospatial data visualization best practices. We taught the participants how to create interactive geospatial data visualization using MapBox and Microsoft Power BI. We also shared best practices on problem-solving with geospatial data analysis, programmatic geospatial data visualization with Folium (a Python mapping Library) and Leaflet.js.



Participation in the 2020 Digital Skills Agenda-setting by the Ministry of Youths and Sports

As one of the leading organizations championing the training and capacity building of young people across Nigeria in data science and artificial intelligence, Data Science Nigeria was one of the few partners invited to the National Youth Policy Workshop, which focused on the complete development of young people, as well as their participation in nation-building.





17. Community of Practice with AI+ Professional and Research Community

R Experts Meet-up to Celebrate Its 20th Anniversary

Data Science Nigeria brought together industry and academic users of R platform to celebrate its 20th anniversary at the AI Hub, Yaba. The session also afforded an opportunity to discuss many tips and tricks that make R a world-class analytical/programming tool and had over 50 R users in attendance.

R is a programming language and free software environment for statistical computations, data cleaning, data analysis, and graphical representation of data. The R language is widely used among data scientists for developing statistical software and data analysis. The R community, which included the African R Users Meeting (ARUM) and the European R Users Meeting (ERUM), recognized Data Science Nigeria for spreading the awareness and the use of R in Nigeria, especially in her various free R masterclasses/training events.



bayo adekanmbi @bayoadekanmbi · Feb 29
Replying to @DataScienceNIG @RConsortium and 9 others
Data Science Nigeria loves R as a super deal in open source data science practice. Toast to greater years of impact,
1 3 26

Africa R Users @AfricaRUsers · Feb 29
👏👏👏 thank you for the support @bayoadekanmbi
1 5

Ezekiel Adebayo Ogundepo @gbganalyst · Feb 29
Thank you @DataScienceNIG and @bayoadekanmbi for the support.
3

DataScienceNigeria @DataScienceNIG · Feb 29
Hurray!
R version 1.0.0 is 20 years today!
We celebrated a major milestone with an #opensource tool for #DataScience
We spent time to discuss many tips & tricks that make R a world-class analytical/programming tool.
We cut a CAKE as we toast to greater years ahead.
#rstats

CELEBRATING

R

20 YEARS

Join us for 'R' programming's 20th anniversary meet-up.
We will celebrate and discuss many tips and tricks that make R a world-class analytical / programming tool.

AI Hub, Data Science Nigeria, Yaba, Lagos
Friday, February 28, 2020
12pm - 3pm

for more information, kindly contact
Ezekiel: 0906-000-6010
ezeziel@datasciencenigeria.ai
@gbganalyst

powered by Data Science Nigeria



Also, one of our in-house R user data scientists, Ezekiel Ogundepo, was awarded a travel grant (€1000) to attend the ERUM2020 conference in Milan, Italy. The European R Users Meeting is a biennial scientific conference focusing on the use and development of the R language, an open-source and widely used statistical language and environment both in academia and industries. The ERUM conference hosts more than 500 attendees from Europe and other parts of the world as well.

AI+ Newsletter

We released the first edition of our AI+ community newsletter, AI+ Newsletter.

The AI+ Newsletter mainly focuses on the following key areas:

- DSN community updates
- DSN upcoming events
- AI/Data/Digital news update
- Global best practices on AI/data/digital in action
- Ecosystem trends: apps, API, fintech
- AI/Digital trends for the month
- Interesting articles by AI Community members
- Opportunities - scholarships, grants, fellowships and funding

Career Development Workshop

As part of the effort to simplify the path towards building a career in data science, the convener of Data Science Nigeria, Bayo Adekanmbi facilitated a one-day workshop on Monday, May 4, 2020. The masterclass focused on how to build a world-class career in Analytics, Data Science, artificial intelligence, and everything data.

The class went beyond the hype and the buzzword and provided a veritable guideline laying a solid foundation in a career path that currently ranks No 1 in the US for the 4th year in a row according to Glassdoor.com He extensively shared practical skills from his 20 years of hands-on multi-domain experience and growth as a C-level analytics business leader, academic researcher, a practitioner with growing Kaggle portfolio, and AI patent ownership.

The image shows a promotional poster for a masterclass. At the top right is the DSN (Data Science Nigeria) logo. The main title is 'May 4th Masterclass on AI and Data Science career' in large green and red fonts. Below the title is a row of decorative symbols: an 'x', a '+', two '+', and another '+'. To the right, the time is listed as '5:30pm - 7:30pm (GMT+1)' and the date as 'Monday 4 May 2020'. Below the title is a portrait of Bayo Adekanmbi, a man in a suit and yellow tie. To his right, his name 'Bayo Adekanmbi' is written in green, followed by a row of symbols: an 'x', a '+', and three dots. Below his name is a list of his credentials in red text.

May 4th
Masterclass on AI and Data Science career

DSN
Data Science Nigeria

TIME: 5:30pm - 7:30pm (GMT+1) | DATE: Monday 4 May 2020

Bayo Adekanmbi

- Chief Transformation Officer, MTN
- Convener, Data Science Nigeria
- 20 year experience in Analytics, Strategy, Digital Transformation and Data Science
- Doctoral level researcher

Beyond AI Masterclasses for Non-core Data Scientists - Modeling with Excel for Finance Professionals

Data Science Nigeria held the Modeling with Excel for Financial Professionals during the year to reach out to non-core data scientists.

The Master class was facilitated by our Finance and Grant Manager and data science enthusiast, Tunmise Johnson.

Data Science Nigeria presentation at Eko Innovation Centre Data for HR masterclass



International News Mentions

UNESCO Report on Steering AI and advanced ICTs for knowledge societies:

<https://www.developmentaid.org/api/frontend/cms/uploadedImages/2019/11/372132eng.pdf>

World Economic Forum:

<https://www.weforum.org/agenda/2020/06/4-ways-african-governments-can-bridge-the-digital-skills-gap-for-a-post-covid-economic-recovery/>

International Telecommunications Union (ITU) AI for Good: Global Impact report

[https://www.itu.int/en/itu/news/Documents/2020/2020-02/2020 ITUNews02-en.pdf](https://www.itu.int/en/itu/news/Documents/2020/2020-02/2020%20ITUNews02-en.pdf)
<https://guardian.ng/technology/ai-has-potential-to-solve-humanitys-biggest-challenge/>

Deep Indaba Review by OneZero

<https://onezero.medium.com/africa-is-building-an-a-i-industry-that-doesnt-look-like-silicon-valley-72198eba706d>

GRID3:

<https://grid3.org/news/supporting-artificial-intelligence-with-geospatial-data-in-nigeria-grid3-joins-data-science-nigerias-ai-bootcamp>

AI Expo Africa Review of African AI ecosystem

<http://aiexpoafrica.com/2020/01/06/artificial-intelligence-africa-will-2020-tipping-point->

african-ai/

State of Data and Analytics in Nigeria by KPMG

<http://bit.ly/KMPGReport>

AI Alliance AI Start-ups in Africa

<https://medium.com/alliance4ai/ai-generation-learnings-from-alliance4ais-first-100-startups-in-africa-acfba0f753d1>

AI Champions of 2019

<https://www.alliance4ai.org/the-surprise-adopters-of-ai-in-2019/>

Deep Indaba Grand Challenge

<https://deeplearningindaba.com/grand-challenges/leishmaniasis/>

Equitable Health City

<http://equitablehealthycities.org/blog/the-deep-learning-indaba/>

Leading AI Organisations in Africa my MC.AI

<https://mc.ai/four-organisations-promoting-artificial-intelligence-in-africa/>

DigiLaw AI leadership in Africa

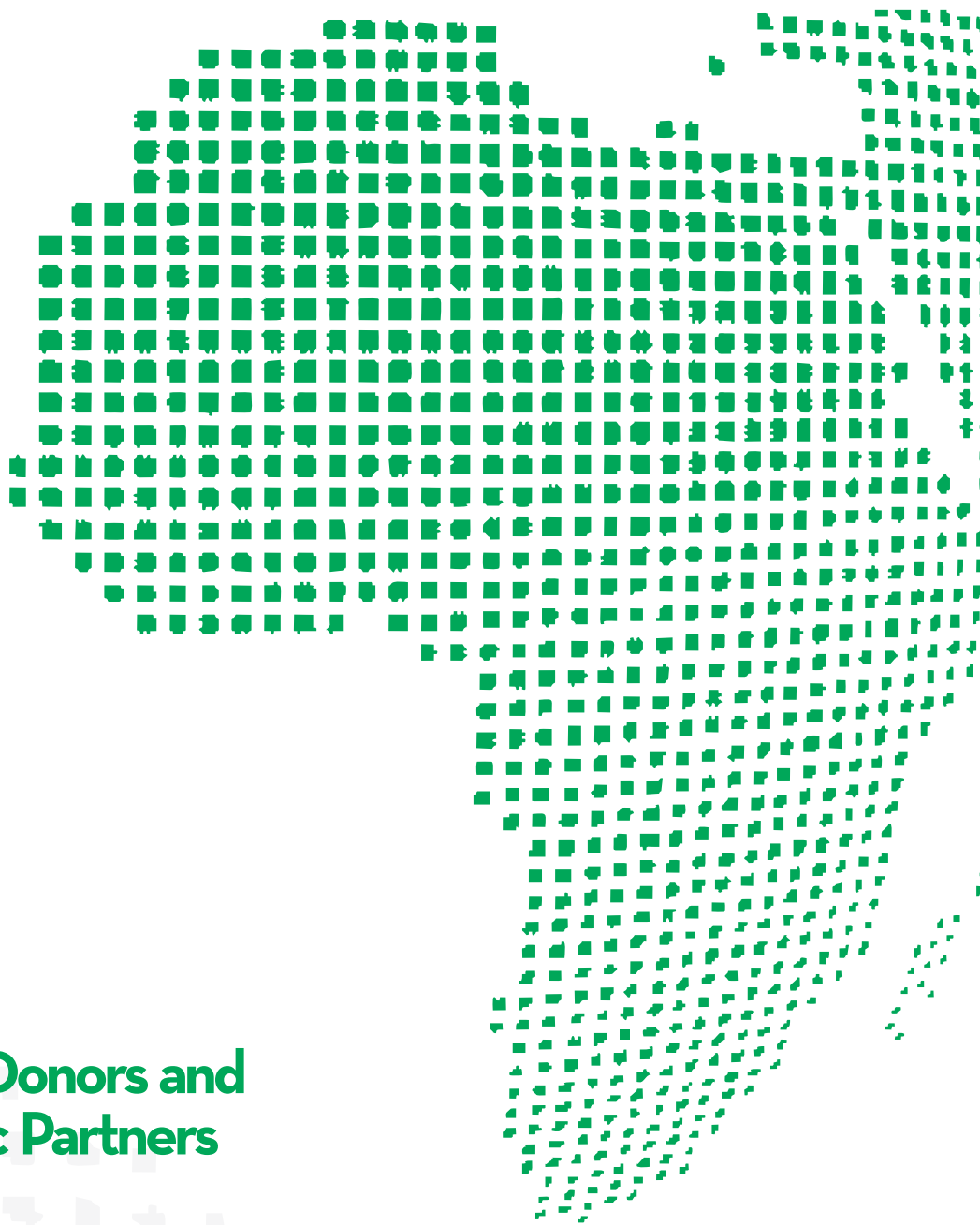
<https://www.digilaw.com.ng/2020/03/04/the-ai-industry-in-africa-the-booming-startups-and-indigenous-ai-promotion-organizations/>



18. Project Clients, Donors and Partners



- Bill and Melinda Gates Foundation
- Microsoft
- Mr. Bayo and Mrs. Toyin Adekanmbi
- Bluechip
- Terragon
- Xlytics Innovation
- AXA Mansard Nigeria
- AI Retina
- AI Common
- AI4D
- Mr Bayo Aderibigbe
- Mr Dele Arikawe



19. In-Kind Donors and Strategic Partners

In-kind Donors And Enablement Partners

- Mainone
- Abelinis
- Keskes
- Proshare Nigeria
- Karyxma Creative
- Adeyemi Shobowale
- Carbon
- Seqhub Analytics (usa)
- Max.ng
- Octave Analytics
- Lagos Business School
- Instadeep Uk
- Kpmg Nigeria
- Zindi Africa
- Techcabal
- Guardian News
- Technext
- First City Monument Bank
- African Fintech Foundry
- Insight-2-impact Cape Town
- Kazeem Tewogbade
- Olumide Soyombo
- Emeka Okoye
- Leke Adekoya
- Dele Arikawe
- Yomi Akinyemi
- Segun Adeniyi
- Wale Olokodana
- Olu Akanmu
- Dr. Raphael Yemitan,
- Dr. Taiwo Togun
- Aniedi Udo-obong
- Kayode Iledipo
- Bayo Aderibigbe
- Eric Sodomka
- Ade Sonubi
- Dr. Victor Odumuyiwa
- Dr. Olumuyiwa Asaolu
- Mr Iyinoluwa Aboyeji
- M.r Joseph Agunbiade
- Mr Kelvin Oyanna
- Bukunmi Omidiran
- Prof Ndubuisi Ekekwe
- Tekedia
- Dr Yinka David-west
- Temitope Akin-fadeyi
- Olu Akanmu
- Lawrence Muthoga
- Celina Lee
- Ekow Duker
- Karim Beguir
- Dr. Jacques Ludik
- Dr. Nick Bradshaw
- Olamide Oyediran
- Ayodele Olabiyi Samuel
- Rediet Abebe
- Ponmile Oloyede Phd
- Microsoft, 4afrika
- Mr. Gideon Adedokun
- Deep Learning Indaba
- Prof Kunle Olukotun
- Prof Ekechi Nwoka
- Dr. Uyi Stewart
- Prof Yoshua Bengio

Mericca Heaton
 Mr Sam Egube
 Mrs. Liadi Adetutu Abiola
 Mr. Tayo Oseni-Ope
 Kasim Sodangi
 Tolu Adedeji
 Steve Babaeko
 Tope Ajao
 Uzoma Dozie
 O.O. Nwoye
 Honey Ogundeji
 Professor Sandip Rakshit
 Adewale Yusuf
 Adia Sowho
 Alfred Ongere
 Austin Okere
 Ben Ewah
 Bukunmi Omidiran
 Comfort Agboola
 Dr Ekechi Nwokah
 Farooq Oyebiyi
 Hennie Bester
 Lawrence Amadi
 Femi Akinlabi
 Dapo Ladeji
 Ponmile Oloyede
 Remi Abere
 Dr. Raphael Yemitan
 Tyler Lu
 Steph Sher
 Sara Hooker
 Azeez Busari
 Chae young Lee
 Kaggle.com

Damian Walker
 Dotun Opasina
 Hermit Smit
 Dave Gershgorn
 William H Hsu
 Kola Aina - Ventures Platform
 Cisca Oladipo
 Jade Abbott
 Vukosi Marivate
 Sadeeq Akintola
 Julius Adebayo
 Adji Bousso Dieng/ Africa I Know
 Innocent Udeogu
 Prof Kevin Leyton-Brown
 Dr Tayo Oyedeji
 Jide Awe
 Dina Machuve
 Chuba Ezekwesili
 Wale Akanbi
 Techpoint Nigeria
 TechCabal Nigeria
 Bunmi Banjo
 • Prof (emeritus) Thomas Dietterich
 • Adia Sowho
 • Alexander Tsado
 • Elo Umeh
 • Basil Udotai
 • Chika Obi
 • Dr Yemi Kale
 • Olufemi Awoyemi
 • Yomi Adedeji
 • Remi Atere
 • Dele Tejuoso

- Toyosi Akerele-ogunsiji
- Yemi Osindero
- Christine Nze
- Ade Bajomo
- Adedeji Olowe
- Orah Egwu
- Dr Chika Victor-banjo
- Maria Rotiku
- D.r Taiwo Togun
- Tayo Bamiduro (maxng)
- Tayo Olosunde
- Dare And Moji Sowunmi
- Itanna Farmcrowdy
- University Of Lagos Cits
- Prof Oyibo Wellington
- Prof Sunday Adebisi
- Softcom
- Sope Olaosebikan
- Civic Hub Abuja
- Siriuslab
- Oxygen Academy
- Sanusi Ibrahim
- Comfort Agboola
- Dr. Stephen Odaibo
- Sara Hooker
- Samuel Edet
- Williams Nsu
- Dr. Kirk Borne
- Elaine Nsoesie Phd
- Damilola Ojo
- Dotun Opasina
- Bolu Adekanmbi
- Kingsley Okoye Ph.d
- Isi Idemudia Ph.d
- Arinze Akutekwe, Ph.d
- Azeez Idris
- John Robert
- Victor Irekpnor
- Stabley Dukor
- Sakinat Folorunso
- Kathleen Siminyu
- Adeyemi Odeneye
- Koye Sodipo
- Chike Ikeorah
- Emmanuel Doro Ph.d
- Gediminas Peksys
- Sabrina Smai
- Margarta Ostapchuk
- Kris Sankaran
- Prof. Kunle Olutokun
- Prof. Anima Anandkumar
- Nicholas Litombe
- Dr. Vukosi Marivate
- Uzo Mkparu
- Elo Umeh
- Amina Sambo Magaji
- Women's Technology Empowerment Centre - W.tec
- Indomie
- Dr. Jania Okwechime
- Aigiomawu Ehiaghe
- Mojisola Olawepo
- Bolaji Kujembola
- Olanrewaju Oyinbooke
- Bayo Adesanya

Knowledge Volunteers

- Blessing Oladeji
- Tyler Lu Ph.d
- Samuel Edet
- Jerry Fadugba
- Dr. Stephen Odaibo
- Emmanuel Eze
- Adeyemi Odeneye
- Ismail Wale Salami
- Balogun Oloruntobi Emmanuel
- Ebeh Elisha
- James Ononiwu
- Njemuwa Victor
- Fole Jabulani
- Chima James
- Gabriel Precious
- Oluwabukunmi Ige
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- Michael Inaolaji
- Isaac Anako
- Farouk Abubakar Audu
- Miss Cyntia Orife
- Somtochukwu Okobi
- Josiah Erhovwo Itse
- Opeyemi Seriki
- Cynthia Abu
- Alo Joel
- Fadahunsi Ibukun Grace
- Arnold Ighiwiyisi
- Emoe-kabu Benedict Oshomah
- Temitope Beloved
- Edet Blessing
- Ogunbajo Adeyinka
- Odunuga Julius
- Oludupin Boluwatife
- Ismail Ahmed
- Sotunbo David
- Tamunopriye Dagogo-george
- Amamgbu Jesse Tochukwu
- Ani Chinonso O.
- Osisiogu, Ukachi
- Maduakor, Francis
- Nkiruka Odu
- Ganiyu, Olalekan
- Ibrahim Dattijo Makama
- Ifenyi Egwu
- Awwal Dahiru
- Odunuga Julius
- Oludupin Boluwatife
- Ismail Ahmed
- Oshingbesan Adebayo
- Omailey James
- Longe Promise
- Munniru Abdulhamid
- Zunnurayni Idris
- Abubakar Sadiq Aminu
- Olusegun Leigh
- Kalada Kienka

Hosts And Hubs For Ai In Cities

Location	Hub	Host
Aba	Innovation Growth hub, Aba	Ufere Samuel
Abuja	Digital Peers International	Mrs. Omojola Funmilola Victoria
Abuja	Social Impact Hub	Harrison Imonikhe
Yola	RITC YOLA	Munniru Abdulhamid
Bauchi	STEMTeers	Faith Ezedi
Asaba	Coriftech Computer Hub	Cynthia Orife
Delta	WittyHub	Onose Oghenevwogaga

Kaduna	Lexington Hub	Suraj Bamalli
Lokoja	Lokoja Hub/ Al-Azhar International College	Mr. Saheed Adedamola Adewuyi
Lokoja	Mentor-Box	Eunice Emmanuel-Bagi
Abeokuta	720DegreeHub	Adebayo John
Abeokuta	Ogun Tech Hub/ Lead Resources	Williams Adesina
Jos	nHub Foundation	Tochi Ebere
Port Harcourt	FutureSphere Innovation Hub	Delight Uche-Aniche
Benin-City	South-South Innovation	Mr. Osayi
Lagos	Data Science Nigeria, AI Hub	Olubayo Adekanmbi

AI in Cities Facilitators

- Ebeh Elisha
- James Ononiwu
- Njemuwa Victor
- Fole Jabulani
- Chima James
- Gabriel Precious
- Oluwabukunmi Ige
- Mubaraq Sanusi
- Peter Okwukogu
- Kolawole Stephen
- Jaye Gbenga
- Adekanbi Yosola
- Tochi Ebere
- Michael Inaolaji
- Isaac Anako
- Farouk Abubakar Audu
- Miss Cyntia Orife
- Somtochukwu Okobi
- Josiah Erhovwo Itse
- Opeyemi Seriki
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- Oshingbesan Adebayo
- Omailey James
- Longe Promise
- Munniru Abdulhamid
- Zunnurayni Idris
- Abubakar Sadiq Aminu
- Ezekiel Adebayo Ogundepo
- Odemakinde Elisha
- Aboze Brain

Community Partners

Zindi Africa
Data Science North Africa and Arabia
Deep Learning Indaba
Alliance for AI
AI Expo Africa
DataCon Africa
AAIMLON Nigeria
Artificial Intelligence for Development Network
for Africa
Data Science Africa
Data Science Zimbabwe
AI Kenya
AI Ghana
Google Developers Group (GDG)
Tensorflow Communities in Nigeria
School of AI Port Harcourt
PyCon Africa
PyCon Nigeria
Python Nigeria
R Nigeria
Start-Up South
Black in AI community
GalsenAI

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Lagos, Nigeria
Dr. Eric Sodomka, Facebook London - Library
Book donation

Artificial Intelligence 2019 Speakers

Dr Dumebi Okwechime

Chief Decision Scientist, RenMoney

Elaine Nsoesie PhD

Assistant Professor at Boston University

Nicholas Litombe PhD

Data Scientist, USA

Edith Darin

GRID3 Nigeria Researcher

Emilie Schnarr

GRID3 Nigeria Manager

Maxwell Madzikanga

GRID3 Nigeria Manager

Jolynn Schmidt

GRID3 Nigeria Programme and Data Analyst

Prof. Thomas G. Dietterich

Emeritus Professor of Com. Sc. USA

Kris Sankaran PhD

MILA Canada

Sabrina Smai

Microsoft Canada

Prof Delmiro Fernandez-Reyes

Professor of Biomedical, Uni. College London

Eric Sodomka PhD

Facebook Research USA

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Guillem Vidal

BigML, Spain

Pascal Bernard

Head of Data Science, OneFi, UK

Michael Harper,

GRID3 Nigeria Data Analyst

Kathleen Siminyu

AI4Development, Kenya

Dr. Stephen G. Odaibo

CEO, Retina AI USA

Sophie Delaporte

GeoSpatial AI, UK

Samuel Edet

Joint PhD. Student IMT, Italy and Ku Leuven, Belgium

Emmanuel Doro PhD

Director, Data Science, Walmart, USA

Jacobo Varela

OneFi, London, UK

Uzo Mkparu Group Head,

CRM, Customer Analytics & Insights FCMB

Inuwa Ya'u Barau

GRID3 Nigeria National Coordinator

Alina Game

GRID3 Nigeria Data Analyst

Wole Ademola Adewole

GRID3 Nigeria GIS Consultant

Blessing Oladeji

CEO & Co-Founder, Octave Analytics

Dr. Nnana Orieko

Cloud Solution Architect Data and AI at Microsoft

Wuraola Oyewusi

Data Scientist, Data Science Nigeria

Opeoluwa Iwashokun

Data Scientist, Octave Analytics

Artificial Intelligence book for kids global reviewers

Dr. Kirk Borne,

Principal Data Scientist and Data Science
Fellow at Booz Allen Hamilton, USA

Dr. Uyi Stewart,

Executive Director, AI Commons; previously,
Director, Strategy, Data & Analytics, Bill and
Melinda Gates Foundation, USA

Prof Bitange Ndemo

Professor of Entrepreneurship, University of
Nairobi and Chairman Blockchain and Artificial
Intelligence Taskforce, Kenya.

Dr. Richard Socher

- Chief Data Scientist, Salesforce, USA

Professor Alan Blackwell

Director of Research, University of Cambridge's
Global Challenges Initiative, United Kingdom

Dr. Jacques Ludik

Founder & Executive Chairman, Cortex Group;
Founder & MD, Cortex Logic; Founder &
President, MIIA, South Africa

Brigette Hyacinth

- Thought Leader in Leadership, HR, Artificial
Intelligence (AI) and Digital Transformation.
Trinidad and Tobago

Ulrich Paquet

Co-founder, Deep Learning Indaba and
Research Scientist, DeepMind, UK.

Karim Beguir,

Co-Founder and CEO, Instadeep UK

Dr Evans Woherem,

Chairman, Digital Africa

Data Science Nigeria AI+ Clubs - Campus Leads

Name	University	Role
Paul Okewunmi Temiloluwa	Obafemi Awolowo University, Ile-Ife	Campus Lead
Grace Omojola	Obafemi Awolowo University, Ile-Ife	Campus Deputy
Asanloko Tejumola Adeseun	University of Ilorin, Ilorin	Campus Lead
Muhammad Suleiman Folorunsho	University of Ilorin, Ilorin	Campus Deputy
Aminu Isreal Boluwatife	Lagos State University, Lagos	Campus Lead
Akintunde Caulcrick	Lagos State University, Lagos	Campus Deputy
Emmanuel Oludare Praise	Ladoke Akintola University, Ogbomosho	Campus Lead
Adegoke toluwani bolu	Ladoke Akintola University, Ogbomosho	Campus Deputy
Faruq Ahmed	Bayero University, Kano	Campus Lead
Mustapha Ibrahim	Bayero University, Kano	Campus Deputy
Nwoke Tochukwu	Bells University of Technology, Ota	Campus Lead
Ugochukwu Victor	Bells University of Technology, Ota	Campus Deputy
Ebeh Elisha Chidera	Michael Okpara University of Agriculture, Umudike	Campus Lead
Njemuwa Victor	Michael Okpara University of Agriculture, Umudike	Campus Deputy
Chima James Nwakigwe	Federal University of Petroleum, Delta State	Campus Lead
Churchill Anigbobi	Federal University of Petroleum, Delta State	Campus Deputy
Okegbemi Lawrence	Federal University of Technology, Akure	Campus Lead
Shuaibu Alexander	Federal University of Technology, Akure	Campus Deputy
Jewel Uguru	Enugu State University of Science and Technology, Enugu	Campus Lead
Nwobodo Leonard	Enugu State University of Science and Technology, Enugu	Campus Deputy
Opeyemi Bamigbade	University of Lagos	Campus Lead

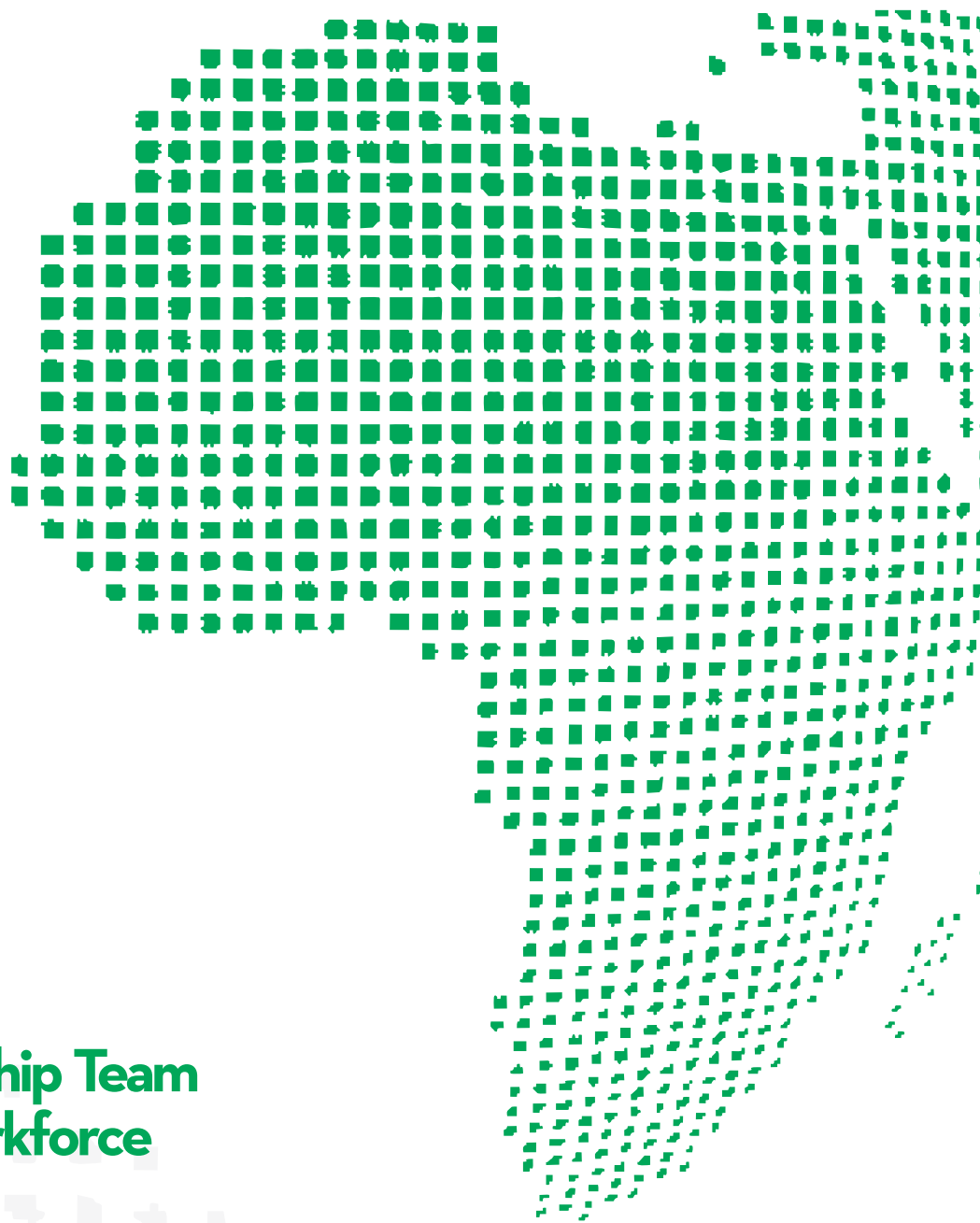
Alake Edah	University of Lagos	Campus Deputy
Olaniyi Taofeeq Olatunde	Federal University of Oye-Ekiti, Ekiti state	Campus Lead
Oluwaloni Emmanuel	Federal University of Oye-Ekiti, Ekiti state	Campus Deputy
Temitope Beloved Olamilekan	Federal University of Agriculture, Abeokuta	Campus Lead
Kolawole Stephen	Federal University of Agriculture, Abeokuta	Campus Deputy
Atom Emmanuel	Federal University of Technology, Minna	Campus Lead
Kenneth Lstifanus	Federal University of Technology, Minna	Campus Deputy
Alo Joel	University of Benin, Benin city	Campus Lead
Nnachor Ugochukwu Peter	University of Benin, Benin city	Campus Deputy
Ernest Owajori	University of Ibadan, Ibadan	Campus Lead
Odeajo Isreal	University of Ibadan, Ibadan	Campus Deputy
Aigbokhaevbo Iwinosa Osamudiamen	Ambrose Ali University, Ekpoma	Campus Lead
Silas Godwin	Ambrose Ali University, Ekpoma	Campus Deputy
John Oloyede	Bowen University, Iwo	Campus Lead

Data Science Nigeria AI+ Community - City Leads

City	Position	Full Name
Abeokuta	Lead	Ogunbajo Adeyinka
Abeokuta	Deputy	Adeniye Kehinde Afusat
Abeokuta	Deputy	Edet Blessing
Abuja	Lead	Osisioqu Ukachi
Abuja	Deputy	Chinonso Ani
Abuja	Deputy	Michael Olanipekun
Ado-Ekiti	Lead	Bakare Kolade Emmanuel
Ado-Ekiti	Deputy	Opeyemi Osakuade
Akure	Lead	Damilola Olaseinde
Akure	Deputy	Emmanuella Nwifor
Akure	Deputy	Fagunloye Olamiposi

Asaba	Lead	Fole Jabulani Ogheneovo
Asaba	Deputy	Farouk Audu
Asaba	Deputy	Jude Ifenliochukwu
Bauchi	Lead	Ibrahim Dattijo Makama
Bauchi	Deputy	Ifeanyi Ugwu
Benin	Lead	Grace IbukunOluwa
Benin	Deputy	Arnold Ighiwiysi
Benin	Deputy	Charles Onyema Igah
Calabar	Lead	Innocent Thomas
Calabar	Deputy	Andoya Vitalis
Calabar	Deputy	Jessica Ofem
Enugu	Lead	Calistus Igwilo
Enugu	Deputy	Mbah Stanley
Enugu	Deputy	Omeh Chukwuemeka
Gombe	Lead	Aliyu Ibrahim Sulaiman
Ibadan	Lead	Abass OLaiya Ayotunde
Ibadan	Deputy	Raheem Nasirudeen
Ibadan	Deputy	Olaniyi Ajayi
Ijebu-Ode	Lead	Akinyiga Obadamilare Dunmininu
Ijebu-Ode	Deputy	Gbede Temitope
Ijebu-Ode	Deputy	Oluwatobi Banjo
Ilorin	Lead	Tejumola Asanloko
Ilorin	Deputy	Adeyemi Adedoyin
Ilorin	Deputy	Sangodoyin Olakunle
Jos	Lead	Ebere, Tochi Chioma
Jos	Deputy	Michael Inaolaji
Jos	Deputy	Gideon Yakubu
Kaduna	Lead	Oluwabukunmi Ige
Kaduna	Deputy	Sanusi Lawal
Kaduna	Deputy	Sanusi Mubaraq
Kano	Lead	Jato Fanan Joseph
Kano	Deputy	Habeeb Olokoto

Kano	Deputy	Abdulrahman Sulaiman
Lokoja	Lead	Julius Odunuga
Lokoja	Deputy	Oludupin Boluwatife
Lokoja	Deputy	Muhammed Dahiru
Osogbo	Lead	Esther Adefunmike Oyarinde
Osogbo	Deputy	Abubakar Alaro
Osogbo	Deputy	Felix Ayoola
Owerri	Lead	Ezeogune Chuka Dean
Owerri	Deputy	Amadikwa Joy
Owerri	Deputy	Augustine Chukwu
Port Harcourt	Lead	Oshingbesan Adebayo
Port Harcourt	Deputy	Uche Blessed
Port Harcourt	Deputy	James Omailey
Uyo	Lead	James Sandy
Uyo	Deputy	Edidiong Etuk
Uyo	Deputy	Blessing Christopher
Yola	Lead	Munniru Abdulhamid
Yola	Deputy	Aminu Muhammad
Yola	Deputy	Abubakar Sadiq
Zaria	Lead	Nafiu Garba
Zaria	Deputy	Isiaka Bashir

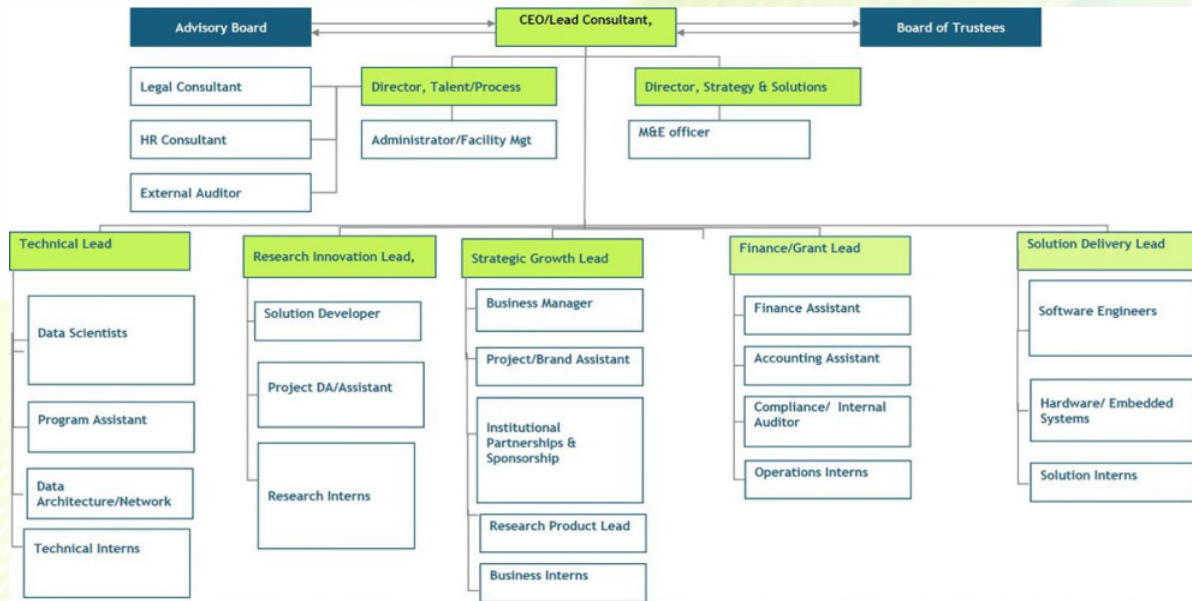


20. Leadership Team and Workforce





Organogram



Data Science Nigeria Advisory Board Members



1. Dr Uyi Stewart -

Senior Director, Data Science at Seattle Genetics, Member of Wellcome Trust Data Lab Advisory Group. USA

2. Prof. Olayinka David-

West Director and Fellow, Information System, Lagos Business School, Lagos, Nigeria

3. Dr Stephen Odaibo Founder, CEO, and Chief Software Architect of Retina-AI, Houston, USA

4. Dr. Victor Odumuyiwa

Acting Director, Centre for Information Technology University of Lagos, Lagos, Nigeria

5. Dr Amina Sambo-Magaji,

National Coordinator, Office for ICT Innovation and Entrepreneurship (OIIE), Nigeria

6. Ngozi Dozie Director,

Director OneFi Lagos, Nigeria

7. Dr Jacques Ludik Founder of MIIA (President) & CEO, Cortex Logic Cape Town, South Africa

8. Dr Elaine Nsoesie, Boston University, USA

9. Dr Eric Sodomka,

Facebook, London, United Kingdom

10. Prof Delmiro Fernandez-Reyes,

University College London, United Kingdom

11. Shingai Manjengwa,

Founder, Fireside Analytics, Canada

12. Frederick Lester

Chief Data Strategist / Analytics Executive Rutgers University Big Data Advisory Board Member & Chief Data Strategist / Analytics Exec., Ulwazi Analytics International, Inc. USA

13. Alexander Tsado-

Nvidia USA and Alliance for AI, USA

14. Uzo Mkparu Assistant Vice President/Group Head, CRM, Analytics & Insights First City Monument Bank Limited

15. Prof. Sahalu Junaid

Director Institute of Computing and ICT, Head of Department Computer Science Ahmadu Bello University Zaria, Nigeria.



21. Disclosure

We are fully committed to transparency in our operations, and we welcome requests for information and feedback on our work. However, there may be instances where we are constrained from disclosing information for security reasons, confidentiality, or because of the sensitive nature of our internal documents. Where it is impossible to disclose any information, we will reveal the reasons for the non-disclosure to the requesting party.





22. Consolidated Statement of Account Unaudited Statement of Account

Data Scientist Network Foundation

Statement of Income and Expenditure (July 2019 - June 2020)

Inflows	FY 2018/19 NGN	FY 2018/19 USD
Grants, Consulting and Project Finances	544,581,738.35	1,512,727.05
Other Income	6,595,000.00	18,319.44
Total Incoming Resources	551,176,738.35	1,531,046.50
Expenditure		
Local Travel-Staff	10,813,462.02	30,037.39
Payroll Expenses	49,738,574.88	138,162.71
Research Expenses	1,563,306.20	4,342.52
General and Administrative Expenses	5,651,576.53	15,698.82
Rent	5,687,566.00	15,798.79
Communication Expenses	1,904,278.00	5,289.66
Bank charges	840,310.45	2,334.20
Professional fees	25,106,143.92	69,739.29
Event Expenses	42,739,637.52	118,721.22
Training and Development	1,042,680.00	2,896.33
Hotel and Accommodation (Non Travel)	7,194,837.00	19,985.66
Logistics and Transportation (Non Travel)	2,144,820.00	5,957.83
Software & Application Development	42,839,602.07	118,998.89
Office Equipment	7,638,500.00	21,218.06
Contract/ Consultancy	11,851,697.93	32,921.38
Total Expenditure	216,756,992.52	602,102.76
Net Incoming Resource	334,419,745.83	928,943.74
Opening Balance (2018/2019)	1,934,697.10	5,344.47
2019/2020 Fund (Currently held)	334,419,745.83	928,943.74
Net Position	336,354,442.93	934,317.90

Data Scientist Network Foundation

List of Donors, Funders and Clients (July 2019 - June 2020)

	Naira	Dollar
Bill and Melinda Gates Foundation	460,564,200	1,279,345
Softcom Limited	20,000,000	55,556
Lagos Business School (BMGF)	16,123,320	44,787
Mr Bayo and Mrs Toyin Adekanmbi	11,290,957	31,364
Microsoft	10,000,000	27,778
Bluechip Technologies Limited	6,000,000	16,667
Terragon Group	5,000,000	13,889
AI Commons	4,313,259	11,981
Xlytics Innovation Limited	3,960,000	11,000
Axa Mansard Nigeria	3,000,000	8,333
Artificial Intelligence for Development	2,880,000	8,000
AI Retina USA	1,000,003	2,778
Mr. Adebayo Aderibigbe	350,000	972
Mr Dele Arikawe	100,000	278
	544,581,738	1,512,727



23. Support the Vision

PARTNER WITH US

Data Science Nigeria (DSN) is continuously looking for strategic partnerships and engagement opportunities to bring us closer to our goals.

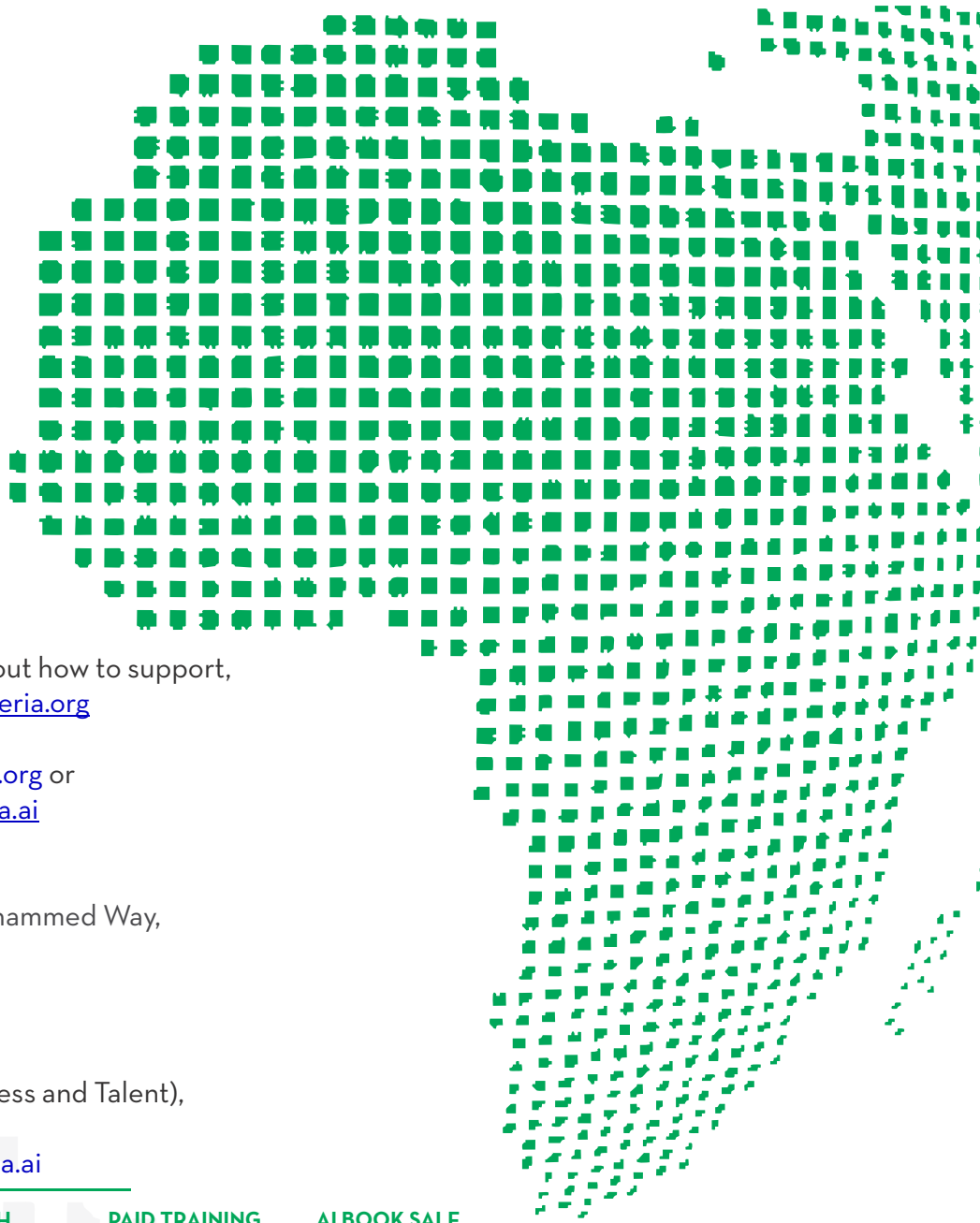
Here are key reasons to consider partnering with us:

- Our vision and core values are focused leveraging AI/data science for socio-economic development in Nigeria and the wider African context.
- DSN is a deeply rooted local partner in Nigeria and Africa, with an extensive relationship in academia, the private sector and government institutes.
- DSN is the driving force for promoting data science and its convergence with AI in Nigeria and Africa. DSN already has well-established and successful programmes that can be customized to undertake the proposed activities and accomplish the organisation's objectives.









To learn more, or to find out how to support,
visit www.datasciencenigeria.org
or send an email to
info@datasciencenigeria.org or
toyin@datasciencenigeria.ai

Or Visit our office

AIHub,174b Murtala Muhammed Way,
Yaba, Lagos, Nigeria.

Key Contact:

Toyin Adekanmbi
Executive Director (Process and Talent),
Data Science Nigeria
Toyin@datasciencenigeria.ai

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PAID TRAINING

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BUSINESS

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CONSULTING

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AI+ MEMBERSHIP

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