

Predictive Analytics

Drilling sense out of data

COMPANY **PROFILE**

2020



ABOUT US

Incorporated in 2017 as Treplex Data Hub Ltd, we are a Pan African first and only comprehensive one stop platform and center of excellence for Data Science based in Nairobi, Kenya and Johannesburg, South Africa from where we serve clients across the East and South African region. Our mission is to empower the next generation of business leaders and innovators in Data Science.

We are Big Data Lab founded against the backdrop of rising need of Data driven Business Solutions.



There are three core areas where data matters to a business



Predictive Analytics Founder Timothy Oriedo Giving a keynote Presentation to a High Level EAC Ministerial Business Summit in Arusha in Nov 2019

Guided by this three needs, we have designed tools to be able to provide impact to businesses across various industries including, Retail, Media, Manufacturing, Hospitality, Telco, Technology, Insurance and Banking.

Our Partners



Our Clients

Kenya -



Tanzania -



South Africa -



Uganda -



Rwanda -





OUR SERVICES

OUR SERVICES

Data Science Training and Certifications

As the drive toward the 4th industrial revolution takes centre stage it is imperative that talents are realigned to meet the demand of the emerging landscape. We offer training courses for Retooling, Reskilling and Upskilling on the 3 verticals below

TECHNICAL VERTICAL

- Introduction to Data Science IDS
- Intermediate Data Science InDS
- Advanced Data Science ADC
- Statistics For Data Science
- Data Engineering DE
- Data Visualisation DV
- Data Governance DG
- Open Data OD
- Decision Science DC
- Anthropology AT
- Data Strategy DST
- SQL Databases SQL
- Model Deployment MD
- Robotic Process Automation RPA
- Blockchain and Encryptions BLK

INDUSTRY VERTICAL

- Banking Analytics(BAN)
- Manufacturing Analytics (MAN)
- Retail Analytics (RET)
- Telecommunication Analytics (TELC)
- Agriculture Analytics (AGRI)
- Government Analytics (GOV)
- Healthcare Analytics (HEA)
- Media & Ent Analytics (MED)
- Insurance Analytics (INS)
- Real Estate
- Sports
- Education (EDU)
- Security

PROFESSIONAL VERTICAL

- Human Resource √ (FR)
- Finance Analytics (FIN)
- Marketing Analytics (MAR)
- Sales Analytics (SA)
- Supply Chain Analytics (PROC)
- Information Technology Analytics (IT)
- Data Leaders (BM)
- Actuaries Analytics (ACT)
- Healthcare professions Analytics (DOC)
- Legal Analytics (LG)
- Public Relations Analytics (PR)
- Academia & Research Analytics (ACD)
- Business Intelligence Analytics
- Operations Analytics

OUR SERVICES

Data Strategy and Advisory Consulting



INFRASTRUCTURE

- a. Alignment to Data Protection Principles & Data Subject Rights as prescribed in the Kenya Data Protection Act (2019), GDPR and any other relevant laws as per clients jurisdiction.
- b. IT infrastructure Audit and Big Data Readiness
- c. Data Governance

BUSINESS

- a. Fourth Industrial Revolution Business Strategy
- b. Platform Business Model Re-Engineering
- c. Procurement Sandbox- How to procure Data Science Tools
- d. Consumer Data Protection Product Alignment



TALENT

- a. Data Science Talent Recruitment and Management
- b. Data Science as a Service – Talent outsourcing
- c. Hackathons
- d. Data Reculturization
- e. Benchmarks and Exchange Programs
- f. Engagement and Evangelism

OUR SERVICES

Predictive Analytics Softwares

Softwares for Various Industries and Professions that leverage Machine Learning, Deep Learning, Computer Vision Algorithms.

Industry Custom Enterprise scalable solutions including Banking Analytics Box, Insurance Analytics Box, Retail Analytics Box, Telcom Analytics Box and Manufacturing Analytics Box

Risk and Fraud Pattern Recognition

Customer Churn Prediction

Credit Scoring

Lead Generation

Telcom Network Optimisation

Price Engineering

Spend Analytics

Robotic Process Automation

Smart Grids- Energy Analytics

Autonomous Cars

Route Optimization

Demand Forecasting

Retail Distribution Recommendation Engines

Advertising coverage analytics

Chat bots

Insurance Claims Analytics

Customer Retention

Cross Sell and Upsell

Digital Engagement

Co-Robots: Softwares that work alongside your workforce to improve efficiency through enhanced decision making.

OUR SERVICES

Predictive Analytics Softwares

HR ANALYTICS

Our software's ingest following types of data Employee surveys, Telemetric Data, Digital footprint metadata, Employee Attendance records, Multi-rater reviews, Salary and promotion history, Employee work history, Demographic data, Personality/temperament data, Recruitment process, Employee database, Employee Social Media Data and Office Floor Plans

Using this we calibrate our algorithms to deliver enable decision making in following areas Workload Analysis

Performance Management Modelling

Interaction Analytics

Pay structure and Compensation Analysis

Employee Churn

Recruitment Analysis

HR Dashboard

SUPPLY CHAIN ANALYTICS

Supply planners need to understand what's happening in the supply chain in real time, so they can create accurate supply forecasts. In order to avoid shortages and stock-outs leading to lost revenue, it's necessary to be able to run what-if scenarios and ensure they are making the most informed decisions.

Sales and operations planning (S&OP) managers need a single version of the truth to make better business decisions and meet revenue goals. Easy-to-use data visualization, flexible plans that adapt to market demands and fast, what-if scenario assessments are crucial.

Our Supply chain software's enable quick responsiveness while maintaining accuracy and integrity. Our systems can analyze huge amounts of data quickly from diverse sources both structured and unstructured using Natural Language Processing Algorithms. This enables prediction amidst increasing number of variables such as weather, regulations, disasters etc.

OUR SERVICES

Predictive Analytics Softwares

FINANCE ANALYTICS

Enables a shift from Detection and Repair to Predicting and Preventing

Our Software enables

Drive Strategic Decision Making:

Be able to help organizations bring together financial and operational data from various siloed sources, providing a unified view of information that enables you as a finance professional and your entire business partners to make better strategic decisions.

Timely Reporting.

A custom dashboards that enable your finance department to quickly arm business managers with accurate, timely financial reporting so they can make more data-driven decisions and run a more profitable business.

Manage Risks.

You will be equipped with tools that will enable your organizations to proactively uncover suspicious trends and helps them navigate the risks associated with operations, finances, fraud, and regulations with a greater degree of confidence and efficiency.

Enable Financial Planning and Analysis.

You will be provided with Analytics tools that enables FP&A teams to leverage real-time internal and orthogonal data to improve financial performance, increase profitability, and capitalize on growth opportunities.

OUR SERVICES

Big Data Analytics

We help organisation establish a data/analytics sharing platform/architecture that's flexible enough to accommodate diverse technology needs across the enterprise is critical; you may be stuck with legacy systems that don't meet your needs, or face disagreement on where to invest the resources.

We set up Data Lakes to Break down data silos so data becomes a readily shared and trusted enterprise resource, and determining how to best harness the data you have and continue to grow the volume of data.

Data Ops: Establish processes and technologies to collect data from diverse sources and distribute to the right users to generate data products

Data Management: Establish processes and practices to ensure data is accurate, timely, and properly shared and managed throughout its lifecycle

Data Sourcing: Set data terms, definitions, methodologies, MOUs, and service level agreements to support performance monitoring

Data Governance: Establish roles and responsibilities, policies, and procedures to ensure accountability and effective management of data

Data/Analytics Platform: Coordinate across stakeholders to build a platform that's based on a reference architecture and is flexible with the evolving discipline (e.g., open source, catalogue of options, cloud or self-service capabilities); use analytics demand to build a business case for technology investment

Technologies We Use



RESOURCES

Quick Links

Join our next training intake

masterclass.predictiveanalytics.co.ke

Student Resources Centre

lab.predictiveanalytics.co.ke

Check out upcoming events

events.predictiveanalytics.co.ke (events registration)

Try out our Machine Learning Softwares and Prediction Engines

app.predictiveanalytics.co.ke

Establish your level of Data Science Adoption

surveys.predictiveanalytics.co.ke (assessments)

Check out visualizations library

charts.predictiveanalytics.co.ke (visualizations)

Book a Coaching and Speaking Engagement

coaching.predictiveanalytics.co.ke

Refresh your Vocabulary

glossary.predictiveanalytics.co.ke

Challenge your Data Science Knowledge

exams.predictiveanalytics.co.ke

List of recommended documentaries on AI

documentaries.predictiveanalytics.co.ke

PAST EVENTS

Gallery



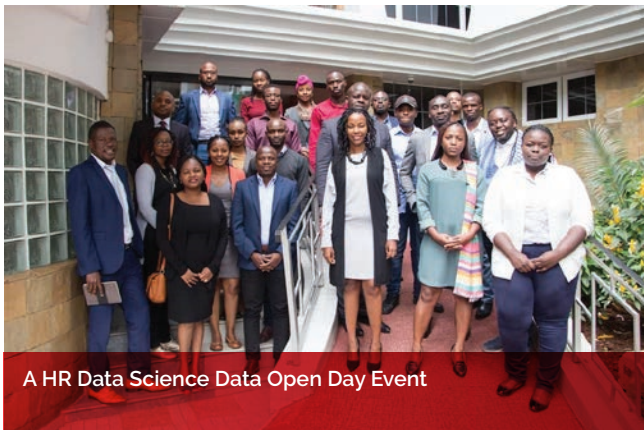
Our Senior Faculty Member Chris Orwa Lecturing A Data Science Class at the Intercontinental Hotel



Jamal Mohamed Leading a Group Discussion



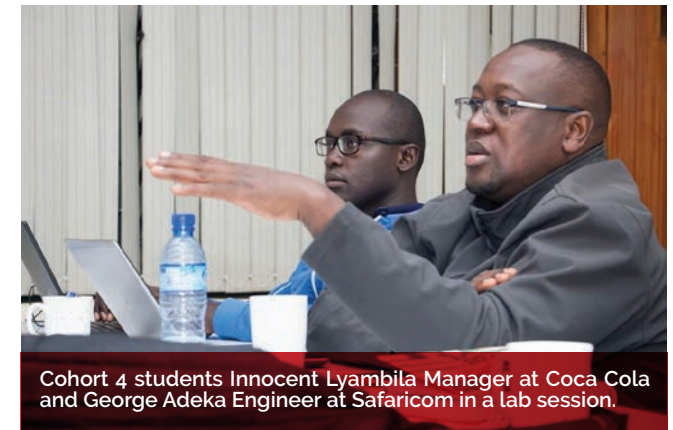
A Data Coaching Clinic Session for Saracen OMD



A HR Data Science Data Open Day Event



Judy Githaiga a HR Manager Safaricom following proceedings of Lab Session



Cohort 4 students Innocent Lyambila Manager at Coca Cola and George Adeka Engineer at Safaricom in a lab session.

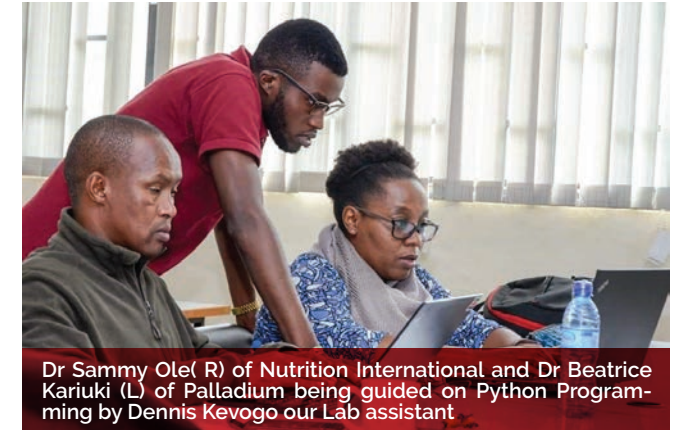
Gallery



Data Coaching Roundtable for Kenya Tourism Board Executives



Isaac Okello Sales Manager Safaricom and George Adeka Engineer Manager at Safaricom in a Lab session



Dr Sammy Ole(R) of Nutrition International and Dr Beatrice Kariuki (L) of Palladium being guided on Python Programming by Dennis Kevogo our Lab assistant



Dennis Kinuu of BAT and Sanjay Mehta of Craft Silicon in an active Python Programming lab session



Dennis Gatuku Safaricom, Dennis Kinuu BAT, Mueller Bosire Ipsos and Sanjay Mehta Craft Silicon in a lab brainstorm session



Teresia PWC, Elsie Asinati ABSA and Dennis Kinuu BAT in a lab discussion session

Gallery



Founder Timothy Oriedo hosting a Lab session

Algorithmic MARKETING MASTERCLASS

14 CIM cpd

Successful Marketing starts with Analysis

COURSE FACILITATORS

Lenny Nganga
Co-Founder and CEO
Saracen OMD

Timothy Oriedo
Founder of Predictive Analytics Lab

Chris Harisson
Africa Partner of The Brand Inside

Algorithmic Marketing Class offered in Conjunction with our Partners

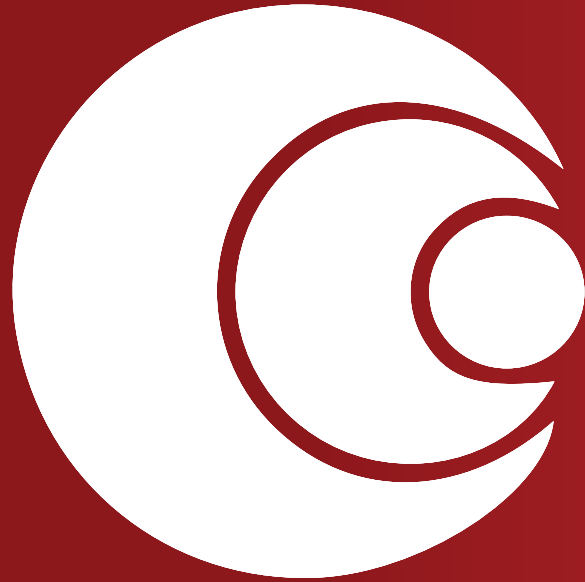
1st DATA SCIENCE HR OPEN DAY

9th October 2019

IN PARTNERSHIP WITH

www.events.predictiveanalytics.co.ke

Predictive Analytics Lab



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