

# BONAVENTURE MUIA

+254 703 555 259 Nairobi

[LinkedIn](#)

[venturemuia@gmail.com](mailto:venturemuia@gmail.com)

[YouTube](#)



## EDUCATION

**BSc. In Applied Statistics with Computing,**  
University of Eldoret, 2011- 2015.

## EMPLOYMENT RECORD

**Data Science Trainer** *October 2020 – Present*

NIIT Kenya

- Improving and strengthening working professionals on in-demand skills like Data analysis, Machine Learning, artificial intelligence etc.
- Increased student engagement and learning by employing cooperative instructional strategies.

**Data Scientist** *Nov 2018 – October 2020*

China Gezhouba Group Company Limited.

- Developed a machine Learning model which could tell the best make and model of Plant to buy/hire.
- Modernized and streamlined reporting, presentations through the use of R Markdown.

**Data Scientist** *May 2017- October 2018*

Laterite Kenya Limited

- Created a Time Series model to forecast the coffee harvest using algorithms like ARIMA, Exponential Smoothing and Prophet.
- Communicated the results of analyses, modeling, and tests through data visualization, interactive apps, and writing.

**Research Assistant** *Dec 2015- April 2017*

Aims Research Ltd

- Delivered a dashboard for recommending which customers would be targeted to skyrocket profits.
- Provided individualized customer support and positive client relationships.

**Data science Intern** *5 May 2014 – 31 July 2014*

Rift Valley Bottler's Limited.

- Simplified and Automated Exploratory Data Analysis, Seasonality Analysis and Peak Analysis using R.

## PROJECTS

### ▪ Basket Analysis

Market Basket Analysis is one of the key techniques used by large retailers to uncover associations between items. The objective of the project was to look for combinations of items that occur together frequently in transactions. Access the project through the link below:  
[https://venture.shinyapps.io/Basket\\_Analysis/](https://venture.shinyapps.io/Basket_Analysis/)

### ▪ Insurance App

The goal of this project was to build a dashboard that one can view insurance claims at different points in time. Filter claims by state and claim status. Analyze frequency, severity, and changes in claim values over time. Download the claims for further analysis on your computer.

<https://venturemuia.shinyapps.io/basic-insurer-dashboard/>

### ▪ Yahoo Stocks App

Developed an app that fetches stock data from yahoo. Uses Facebook Prophet algorithm to predict the closing value of those stocks in the future.

[https://venturemuia.shinyapps.io/Stock\\_App/](https://venturemuia.shinyapps.io/Stock_App/)

### ▪ Sales Dashboard

Designed a sales dashboard that can effectively control sales KPIs and monitor them in one central place.

[https://venture.shinyapps.io/Sales\\_Dash/](https://venture.shinyapps.io/Sales_Dash/)

### ▪ Medicare App

Interactive app for exploring average Medicare claim costs across the United States

<https://venturemuia.shinyapps.io/medicare-map/>

## TECHNICAL SKILLS

- ❖ Python and R Coding
- ❖ Power BI and Tableau
- ❖ Shiny apps
- ❖ MS Excel and google sheets
- ❖ SQL and No SQL

## REFERENCES

Available upon request.