

# Data Visualization & AI Analytics with Tableau

The Complete Tableau Journey: From Data Connection and Advanced Calculations to AI Analytics and High Impact Dashboards

## DATES

6<sup>th</sup> - 7<sup>th</sup>  
July 2026

## VENUE

Johannesburg,  
South Africa

*Mr. Bernard Kilonzo*

Tableau Desktop Specialist | Tableau Trainer |  
Analytics Consultant | Data Storyteller

COURSE TRAINER

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**INDULEAD**  
INDUSTRY LEADERS

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## Course Overview

This course on Data Visualization and AI Analytics with Tableau is designed to equip learners with the skills to develop impactful dashboards, uncover insights, and automate decision-making using Tableau's suite of tools. Participants of this course will master core data visualization techniques such as chart selection, color theory, and interactivity while exploring advanced features like data blending and integration, dynamic parameters and calculations, table calculations and dashboard extensions for creating interactive and custom solutions.

The course also dives into Tableau's AI capabilities such as natural language querying via Ask Data and Tableau AI Agent. Through hands on projects and real world scenarios, learners will gain the right skills to design audience aware dashboards, apply best practices in chart selection and interactivity, and harness Tableau's AI features to uncover actionable insights, automate decision-making, and deliver scalable analytics solutions across diverse business contexts.

## Key Learning Outcomes

- Combine multiple data sources using joins, unions and relationships to develop robust Tableau data sources.
- Master key Tableau concepts such as parameters, filters, action filters, calculations, and mapping.
- Create and customize charts, graphs and other visualizations.
- Analyze data and create compelling insights that drive data-driven decisions.
- Develop stunning dashboards and visualizations that communicate data effectively.
- Use Tableau to solve real-world business challenges - by building right data solutions.
- Leverage Tableau AI features to delivers smarter, faster, and actionable insights for everyone.

## Why You Should Attend?

- **Master Data Integration with Tableau:** Understand how to connect Tableau to different data sources and build robust Tableau data sources for analytical purposes
- **Master Core Tableau Skills:** Gain hands-on experience with filters, parameters, and calculated fields for dynamic and responsive visuals
- **Boost Dashboard Impact:** Discover advanced techniques for dynamic filtering, parameterization, and conditional formatting to create interactive, export-ready dashboards
- **Sharpen Storytelling with Data:** Leverage Tableau features to surface key drivers, trends, and outliers, and craft narrative-driven dashboards for executives and clients
- **Stay Ahead with New Features:** Keep up with Tableau's evolving capabilities, including integrated AI features and Viz Extensions
- **Enhance Data Literacy and Communication:** Translate complex datasets into clear, actionable insights for technical and non technical audiences
- **Build Visually Impactful Dashboards:** Design dashboards that are functional and visually compelling using best practices in layout, color, and storytelling

## Course Facilitator

### Bernard Kilonzo

**Tableau Desktop Specialist | Tableau Trainer | Analytics Consultant | Data Storyteller**



Bernard is a senior data analytics consultant based in Nairobi Kenya with expertise in data analytics and visualization using Tableau, Power BI, and Shiny.

He runs a remote first data analytics and visualization consultancy firm Rigor Data Solutions, where he spends much of his time helping clients design, develop, and deploy solutions that extract valuable insights. He has over eight years experience in data analytics consulting, where he has successfully developed solutions for clients such as UNFPA, Social Impact, Day for Girls International, USAID, Evidence Action among other international organizations. Bernard is a 3X Tableau certified expert (a 2X Tableau Desktop Certified Associate & a Tableau Desktop Specialist) and has an undergraduate degree in Mathematics from Egerton University.

Besides designing, developing, and deploying real-world data solutions, Bernard is also an experienced Tableau trainer. He has successfully designed and delivered custom training's on data analytics and visualization with Tableau for organizations such as Social Impact, USAID, Evidence Action among other organizations helping their teams gain the right skills to design new data solutions as well as manage existing ones.

Bernard also runs an online course "Tableau Desktop Certification Training" which has over 4,000 students enrolled among other Tableau courses designed to help students prepare for certifications as well as hone Tableau skills by implementing real-world solutions.

Bernard believes that students learn best through application of real life problems in class exercises. Allowing students to build/strengthen their problem solving skills as well as reinforce their Tableau knowledge.

#### Expertise & Certifications

- 2X Tableau Desktop Certified Associate
- Tableau Desktop Specialist

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## Day 1

### GRI Foundations, Materiality & Strategic Alignment

#### Session 1: Introduction to Tableau Desktop

- Understanding the Tableau's offering.
- Guide on installing Tableau Desktop.
- Tableau help and online resources.
- Introduction to Tableau Desktop Interface.

#### Session 2: Connecting and Preparing Data in Tableau

- Learn how to set your Tableau data source with relations, joins, and unions.
- Guide on pivoting data (crosstab to columnar)
- Understand filtering data from the data source.
- Explore how to extract your data (live vs. extracts)

#### Session 3: Organizing data

- Learn how to create aliases to rename members in the view.
- Learn how to group data and create sets.
- Learn how to create hierarchies.

#### Session 4: Creating Charts and Visualizations in Tableau

- Understand sorting data.
- Understand filtering data.
- Guide on creating different charts and graphs.

## Day 2

### Climate Literacy, Carbon Basics, Governance & Board Oversight

#### Session 1: Tableau Calculations

- Introduction to Tableau calculations or calculated fields.
- Guide to working with string functions.
- Guide to working with date functions.
- Guide to working with logical functions.
- Guide to working with table calculations.

#### Session 2: Geographical Data Analysis

- Understand how to edit location names and assign geographic roles.
- Understand how to create maps from spatial files.
- Understand how to create point distributions maps.
- Understand how to create dual axis (layered) maps.

#### Session 3: Data Analysis Using Tableau Desktop & Parameters

- Guide on creating trendlines and forecasting data with Tableau
- Explore parameters and their applications in Tableau.
- Understand the core AI powered features in Tableau.

#### Session 4: Creating Dashboards and Stories

- Explore Tableau Desktop dashboard interface.
- Guide on creating your first Tableau dashboard.
- Explore how to add interactivity to your dashboards with filters and actions.
- Guide on saving and sharing your work.

#### Tableau Project (Tableau in Practice)

Hands-on Project: Apply class work knowledge to create a real world Tableau dashboard.

### Programme Schedule

08:30 am – 09:00 am	Registration & Coffee Break
09:00 am – 11:00 am	Course
11:00 am – 11:30 am	Networking & Coffee Break
11:30 am – 01:00 pm	Course
01:00 pm – 02:00 pm	Networking & Luncheon
02:00 pm – 03:00 pm	Course
03:00 pm – 03:30 pm	Networking Break
03:30 pm – 05:00 pm	Course

### Who Should Attend?

- Aspiring data analysts and visualization experts.
- Professionals looking to enhance their Tableau skills.
- Students and researchers interested in data storytelling.
- Anyone looking for a hands-on, project-based introduction to Tableau Desktop.
- Data-Driven decision makers.
- Beginner data analytics students and professionals.

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## Registration Form

Please fill & sign below form & send us on  
[training@indulead.com](mailto:training@indulead.com)

Delegate 1  
Name : \_\_\_\_\_  
Job title: \_\_\_\_\_  
Email: \_\_\_\_\_  
Mobile: \_\_\_\_\_

Delegate 2  
Name : \_\_\_\_\_  
Job title: \_\_\_\_\_  
Email: \_\_\_\_\_  
Mobile: \_\_\_\_\_

Delegate 3  
Name : \_\_\_\_\_  
Job title: \_\_\_\_\_  
Email: \_\_\_\_\_  
Mobile: \_\_\_\_\_

Delegate 4  
Name : \_\_\_\_\_  
Job title: \_\_\_\_\_  
Email: \_\_\_\_\_  
Mobile: \_\_\_\_\_

Delegate 5  
Name : \_\_\_\_\_  
Job title: \_\_\_\_\_  
Email: \_\_\_\_\_  
Mobile: \_\_\_\_\_

**Note:** In case of 6 or more nominations make a duplicate of this form & fill in the details.

### ORGANIZATION DETAILS:

Company : \_\_\_\_\_  
Address: (to be used on invoice): \_\_\_\_\_  
\_\_\_\_\_  
Telephone: \_\_\_\_\_  
Country: \_\_\_\_\_

### AUTHORIZED BY:

Signature: \_\_\_\_\_  
Name: \_\_\_\_\_  
JobTitle: \_\_\_\_\_  
Email: \_\_\_\_\_  
Date: \_\_\_\_\_

### PAYMENT DETAILS:

**Credit Card Holder's Details - To send Payment Link**  
First Name: \_\_\_\_\_  
Last Name: \_\_\_\_\_  
Email: \_\_\_\_\_  
Country: \_\_\_\_\_

Event Code: IL-DVAT-010

## Course Fee

### Registration Fees:

- Book 1 delegate Pay USD 2,795/delegate
- Book 2 or 4 delegates Pay USD 2,595/delegate
- Book 5 or more Pay USD 2,395/delegate

(All pricing excludes all taxes)

### Payment Mode:

- Payments will be made by **Credit Card** or by **Bank transfer**, an Invoice will be sent soon after we receive the signed & filled registration form.
- Payment is required within **5 working days** after the receipt of the invoice.
- Payment must be received in full prior to the Course Origination.

### Terms & Conditions:

- 1) Fee Includes (For Face 2 Face Training): the course fee covers all course material, lunch & refreshments. Please note that hotel accommodation is not included in the course fee.
- 2) Fee Includes (For Virtual Training): the course fee covers the live course session & the course material soft copies along with Certificates of Attendance.
- 3) Payment terms: Payments are required within 5 working days from the date of receipt of an invoice; all payments should be transferred by Credit Card/bank transfer to the Indulead International account. A receipt will be issued as payment is received.
- 4) Cancellation /Substitution Policy: Cancellation is only acceptable if submitted to us by email & will be subject to charges, cancellation received 60 days prior to the event 25% of the training fee will be charged, 30 Days prior to the event 50% of the training fee will be charged, 15 days prior to the event 75% of the training fee will be charged, 7 days prior to the event 100 % of the training fee will be charged. Substitution is the best option to avoid cancellation, as the cancellation is required in writing via email likewise Substitution is also required by email with complete details of the substituted delegates (Name, Position, Email & Mobile).
- 5) In the case of No Show, clients cannot claim any refund, & are not entitled to claim the Credit Voucher.
- 6) Cancellation by a paid client; does not subject to any cancellation charges, Indulead International will either accept the substitution or will provide a Credit Voucher of the Invoice amount which can be utilized in any of our future training, with validity up to 6 months.
- 7) Every possible effort is made to incorporate the event as it campaigns, however, due to any unforeseen circumstances Indulead International reserves the right to change the venue, location, and trainer. Also due to unforeseen circumstances, the event may be canceled or postponed, in this case, the paid delegate(s) Indulead International will process & refund the full amount, less the bank/service charges up to 5 % or less.
- 8) While all topics shown in this brochure will be covered in the course, the facilitator/instructor reserves the right to restructure and delivers them in a different order or sequence.
- 6) The client is considered aware of all the above terms and conditions, as they sign on this registration form & Indulead International will not be responsible for any expectation or monetary loss as indicated above.