Data Analytics with Tableau

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About us

Velosi is a renowned name for providing Asset Integrity Management, HSE, Engineering, Environmental and Software Solutions in Oil & Gas, Energy, Power and Petrochemical industries across the globe. Velosi has been a leading global consulting firm since 4 decades.

At Velosi, we provide both standard and customized industrial safety training courses that are specially designed to meet the varied workplace requirements of today's training standards. Tap into the new skills and gain a certificate on completion.

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Data Analytics with Tableau

Think advance with statistics. Enroll for a live online course on Data Analytics with Tableau.

Tableau is the No. 1 platform for analytics around the world and with a certification, professionals will be able to create employment opportunities for themselves globally. Tableau is used by an array of top companies for their analytics capabilities and professionals can secure their placements with the knowledge of Tableau.
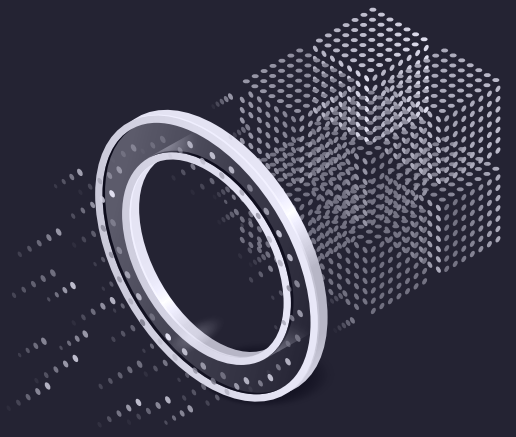
This course by Velosi is crafted in such a manner that it is beneficial for newbies or the ones who have basic to intermediate knowledge about data analytics.

Learning Objectives

- Learn key analytical and visualization skills
- Learn how to build interactive dashboards
- Learn effective data modelling techniques
- Connect with other data enthusiasts
- Grow your career as Tableau is in increasing demand applicable for various industries.

DATA ANALYTICS IS EVERYWHERE!

Training Benefits

This course will help you to step up in your professional careers and entrepreneurial ventures with a deep understanding of analytical and visualization skills.

INCREASED JOB OPPORTUNITIES

TECHNICAL EXPERTISE

CAREER ADVANCEMENT

WORLDWIDE RECOGNITION

Who Should Take This Course?

If you are looking to the skills to make confessions from the data, this course is for you. Anyone with basic to advanced knowledge can enroll for this course. If you want to enter in the business analytics and data science sphere then this course might help you to stay ahead in your career objectives.

Eligibility Criteria

There aren't any hardcore pre-requisites. Prior knowledge of analytics or data visualization helps you for having a hang of it quickly, but it is not mandatory.

All you need is to download and install the latest version of Tableau Public, which is the free version of the platform. You can also download the paid version, Tableau Desktop, and use the 14 day free trial for the duration of this course.

Program Overview & Course Outline

I. Introduction to Tableau

1. Connecting to data (Basic)
2. Foundation for building visualizations
   - Measures and dimensions
   - Discrete and continuous fields
3. Visualizing data (Basic)
   - Bar charts
   - Line charts
4. Geographic visualizations
   - Filled maps
   - Symbol maps
   - Density maps
5. Building a Dashboard
   - The dashboard interface

II. Connecting to Data in Tableau

1. Connecting to data in a file
2. Connecting to data on a server
3. Using extracts
   - Working with extracts instead of live connections
   - Creating extracts
4. Filtering data
   - Filtering discrete (blue) fields
   - Filtering continuous (green) fields
   - Filtering dates

III. Fundamentals of Charting

1. Bar charts
2. Bullet charts
3. Highlighting
4. Visualizing dates and times
5. Date parts, date values, and exact dates
6. Stacked bars
7. Treemaps
8. Area charts
9. Pie charts
10. Visualizing distributions
    - Circle charts
    - Box and whisker plots
    - Histograms
    - Scatterplot
    - Dual-axis and combination charts

IV. Calculations and Parameters

1. Introduction to calculations
   - The main types of calculations
   - Creating and editing calculations
   - Data types
   - Additional functions and operators
2. Row-level calculations
3. Aggregate calculations
4. Difference between row and aggregate calculations
5. Parameters
   - Creating parameters
6. Level of detail calculations - FIXED, INCLUDE, EXCLUDE

V. Formatting Visualizations

1. Leveraging formatting in Tableau
2. Workbook-level formatting
3. Worksheet-level formatting
4. Field-level formatting
5. Custom number formatting
6. Custom date formatting
7. Tooltips and 'Viz in Tooltip'

VI. Building Dashboards

1. Dashboard definition
2. Dashboard objectives
3. Designing dashboards in Tableau
4. Objects
5. Custom number formatting
6. Manipulating objects on the dashboard
7. Interactivity with actions
   - Filter actions
   - Highlight actions
   - Parameter actions

VII. Visual Analytics – Trend Models

1. Trends
2. Customizing trend lines
3. Trend models
   - Linear
   - Logarithmic
   - Exponential
   - Power
   - Polynomial
4. Analyzing trend models
   - Clustering
   - Distributions
   - Forecasting

VIII. Exploring Mapping and Geospatial Data

1. Overview of Tableau maps
2. Customizing map layers
3. Customizing map options
4. Using geospatial data
5. Importing into Tableau's geographic database
6. Plotting data on background images

IX. Data Modeling

1. Creating a data model
2. Using Joins and Blends
   - Types of joins
   - Joining tables
   - Join calculations
   - Using blends

X. Sharing Your Data Story

1. Presenting and exporting
   - Presenting
   - Printing
   - Exporting
2. Sharing on Desktop and Reader
   - Sharing with Tableau Desktop users
   - Sharing with Tableau Reader users

Training Details

We will ensure to provide an in depth understanding about each topic to help you to step up in your professional careers and entrepreneurial ventures using data analytics and visualization skills.

Trainer Qualification	Mr. Roshaan holds a Bachelor's of Business Administration in Business Analytics (Summa Cum Laude). He is a Data Analytics Consultant with vast experience in data wrangling, analysis and visualization. He got ranked as the #1 Tableau Author in Pakistan. His expertise is in designing and constructing analytical, insights-driven dashboards. He is a certified and highly proficient in an array of analytical tools including Excel, SQL, Python and Tableau.
Mode of Training	• Via Microsoft Teams • Audio/Video
Course Material	• Training Materials • Study notes • Tableau Activities & Exercises
Number of Participants per Class	• Minimum of 15 students per batch • Course duration of 30 hours including examination. • The training schedule is flexible and will be either in the mornings on the weekends and evenings on weekdays as per Velosi's approved training schedule.
Admission Policy	• The interested participants would register his/her name and other necessary details by submitting an online registration form post reading the Admission Policy thoroughly. • An advance payment of 25% should be paid at the time of registration and the balance amount must be settled before the first day of training via online bank transfer.

Certification Issuance Policy	The training completion certificate (Digital Copy) will be awarded to participants who satisfactorily completed the training.
After Training Support	Trainer immediate support and Tableau question assistance within 3 months after completion of training.
Examination Process	The examination will be given on the last day of the training after the discussion has been concluded. The training certificate (Digital Copy) will be awarded to participants who completed the training and passed the exam with 80% or higher score.

Course Discount Scheme	Participants can avail the following discounts*:
	
	• Early Bird Discount:
	  ◦ 10% Discount if you register 2 weeks in advance.
	  ◦ 5% Discount if you register 1 week in advance.
	
	• Group Discount:
	  ◦ 15% Discount for groups of 5 or more.
	  ◦ 10% Discount for groups of 3-4.
	
	• Bundle Discount:
	  ◦ Sign up for 2 courses: Extra 10% off.
	  ◦ Sign up for 3 courses: Extra 15% off.

*Only 1 discount of the higher value can be applied at a time.

Other Courses We Offer:

- Safety Certification Exam Courses
  - CFPS
  - CIH
  - ASP/CSP
  - CFSP/CFSE

- Oil & Gas/Energy Industry Training
  - Asset Integrity Management
  - Pipeline Integrity Management
  - Wellhead Integrity Management
  - Structural Integrity Management
  - Certified PHA HAZOP Leader
  - SIL Selection and Verification
  - Process Design Training
  - API Trainings.

- Maintenance & Reliability Certification Exam Courses

  - CMRP
  - CMRT

- After this Standardized Test Training
  - Quantitative Risk Assessment
  - NEBOSH courses

- Firefighting Training
- H2S & BA Training
- First Aid Courses/Training
- HSE Courses/Training
- IOSH/OSHA Certified Courses
- IADC Certified Courses
- ISO Training
- Security and Safety Training
- Environment Protection Training
- Standardized Test Training
- Administrative and Management Skills Training
- Highfield (HABC) Accredited Trainings

Why Choose Us?

- In-Depth Comprehensive Explanation of all Sections.
- Continuous Assessment with Section-wise Practice Tests
- Technical clarifications at all levels during/after training.
- Learn at your own pace with an access to live recordings.
- Receive one-to-one sessions and guidance as and when required during the course.
- Get your questions answered live and participate in online discussions.
- Access anywhere, anytime, with a device of your choice.
- Learn without any additional or travel expenses.

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