AiiTE Academy
Lead Everywhere by Learning

Data Analytics & Visualization with Tableau

+ableau

▸ Course Curriculum

About AiiTE

Welcome to AiiTE Academy, where we help you master the latest IT skills for a successful career in technology. Established in April 2019, we are Chennai's top IT training academy, offering high-quality courses in machine learning, artificial intelligence, full-stack development, and quality assurance testing. Our expert instructors provide hands-on training to ensure you gain the practical knowledge needed to excel. With flexible learning options, AiiTE Academy is committed to preparing you for success in the fast-paced IT industry.

Why Choose AiiTE

- Hands-on Learning
- Career Focused Training
- Flexible Learning Options
- Expert Trainers

Our Vision

To be recognized as the best IT training institute in Chennai, known for our innovative teaching methods and commitment to producing industry-ready professionals.

Our Mission

To equip students with cutting-edge IT skills and provide them with the knowledge needed to excel in their careers.

SINCE

2019

55+
Certified
Courses

250+
Placement
Tieups

9000+
Students

45+
Expert
Trainers

100%
Placements
Assistance

6500+
Successful
Placements

Creating Basic Visualisations

- Bar chart
- Geographic map
- Crosstab report
- Scatter plot
- Line chart

Tableau Desktop UI

- The Tableau product line
- Workbook windows
- Visual cues

Tableau Prep

- Live connection
- Extract data
- Combine data sources
- Join tables
- Blend data sources
- Cross database join

Filtering And Sorting Data

Creating Groups And Hierarchies

Date Functionality

- Discrete and continuous dates
- Fiscal dates

Mapping

- Geographic maps
- Filled maps
- Mapping options

Heat Map And Highlight Table

- Difference between heat map and highlight table

Dashboards And Actions

- Dashboard design
- Dashboards
- Dashboard actions

Sharing Your Work

- Tableau data source
- Tableau data extract
- Tableau workbook
- Tableau packaged workbook

Review Of Tableau Prep

- Input
- Step
- Union
- Join
- Pivot
- Aggregate
- Branch
- Output

Review Of Tableau Desktop

- Bar chart
- Line chart
- Scatter plot
- Geographic map
- Filled map
- Crosstab
- Heatmap

- Highlight table
- Histogram
- Groups
- Dates
- Calculations
- Dashboard

Creating Sets

- Statistic sets
- Dynamic sets
- Combined sets.

Multiple Visualisations

- Measure names and measure values
- Side by side bar
- Combined axis chart
- Stacked marks
- Dual axis chart
- Bar in bar chart

Reference Lines, Bands &Distributions

- Reference line
- Options available
- Reference band
- Reference distribution
- Boxplot
- Instant analytics

Trends And Forecasting

- Create trend lines
- Model types
- Create forecast

Formatting Visualizations

Tableau Best Practices

- How best to create data visualizations
- When not to use Tableau
- The different visualization types
- Common data visualization problems
- Data integrity (typical political tricks)

Data Connections & Data Sources

- Files
- Relational databases
- OLAP databases
- Big data sources
- Cloud data sources
- Tableau data server

Review Of Tableau Desktop

- Bar chart
- Pie chart
- Line chart
- Tree map
- Scatter plot
- Motion chart
- Geographic map
- Histogram
- Filled map
- Dashboard
- Crosstab report
- Groups
- Side by sidebar
- Sets
- Combines axis
- Dates

- Stacked bar
- Calculations
- Dual axis
- Quick table calcs
- Bar in bar
- Parameters
- Heat map
- Reference lines
- Highlight table

Custom SQL

- Convert to custom SQL

Context Filter

- How to create contextfilters

Advanced Calculations

- Split/custom split
- Profitability as a percent of total
- Level of detail (fixed, include, exclude)
- Size (number of row in partition)

Advanced Parameters

- Multiple views in a container
- Dynamic hierarchies, coloring, sorting and measuring values

Advanced Mapping

- Point to point maps
- Calculation distances between two points on a map

Introduction To Tableau Server UI

- Tableau server user interface
- Users
- Site roles
- Groups
- Schedules
- Tasks
- Tableau server menu
- Content display options

Permissions

- Who can stepper missions?
- Tableau user site role
- Projects
- Work book and data source permissions
- User and group permissions

Best Practices

- What is visual analytics
- Start with questions
- Choose the right chart type
- Create effective views
- Create effective dashboards
- General guidelines

Making Visualizations

- Beautiful
- Interactive
- iterative
- Pervasive
- Persuasive
- Simple
- Speedy
- Visual

Choosing The Right Chart Type

- Time comparison
- Comparison and ranking
- Correlation
- Distribution
- Composition
- Geographical data

Effective Visualizations

- Understand and use pre-attentive attributes wisely
- Provide clear instructions
- Make it great with color
- Make it great with size

Creating Effective Dashboards

- BAN's
- Don't stuff your dashboards
- Use visualizations that best fit the need
- Reduce chart junk
- Battle change blindness
- Avoid double encoding
- Scrollbars and scrunched views

General Guidelines

- Guide lines that will help you design great dashboards
- Interactivity

Do's & Don'ts

- Good practice
- Not-so-good-practice

Thank You!

We're excited at the opportunity to work together and make this training program a success. Let's put our heads together and create an engaging and rewarding learning experience that Will benefit everyone involved.

Connect With Us

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