Tableau Desktop Training

About Intellipaat

Intellipaat is a fast growing professional training provider that is offering training in over 150 most sought-after tools and technologies. We have a learner base of 700,000 in over 32 countries and growing. For job assistance and placement we have direct tie-ups with 80+ MNCs.

Key Features of IntellipaatTraining :

24X7 Life Time Support and Assistance	Real Time Projects	Life Time Access and Free Upgrade	Job Assistance	Industry Recognised Certification

About the Course

This Intellipaat Tableau Certification Training program will get you up to speed on concepts of data visualization with a firm understanding of Tableau Architecture. You will be well-versed in the concepts of Filters, Parameters, Graphs, Maps, Table Calculation and Dashboards. You will gain further expertise in data blending, data aggregation and R Connectivity with Tableau.

Instructor Led
Duration – 30 Hrs
Weekend Batch – 3 Hrs/Session
Weekday Batch – 2 Hrs/Session

Self paced
Duration – 16Hrs

Why Take This Course ?

Tableau is by far one of the best business intelligence tools available in the market today. After completing the Intellipaat Tableau reporting training course, you will able to better analyze your business and develop highly insightful information.

- Global Business Intelligence and Analytics Market to Reach $16.9 Billion in 2016 - Gartner
- Tableau is a leader in the Gartner Magic Quadrant for BI for fourth year - Gartner
- Average Tableau salaries are 77% higher than average for all other salaries. – indeed.com

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Course Contents

Introduction to Data Visualization and Power of Tableau ❖ What is data visualization ❖ Comparision and benefits against reading raw numbers ❖ Real usage examples from various business domains ❖ Some quick powerful examples using Tableau without going into the technical details of Tableau	**Hands on Exercises** ❖ NA
Architecture of Tableau ❖ Installation of Tableau Desktop ❖ Architecture of Tableau ❖ Interface of Tableau (Layout, Toolbars, Data Pane, Analytics Pane etc) ❖ How to start with Tableau ❖ Ways to share and exporting the work done in Tableau	**Hands on Exercises** ❖ Play with the tableau desktop ❖ Interface to learn its user interface ❖ Share an existing work ❖ Export an existing work
Working with Metadata & Data Blending ❖ Connection to Excels, PDFs and Cubes ❖ Managing Metadata and Extracts ❖ Data Preparation and dealing with NULL values ❖ Different types of Data Joins (Inner, Left, Right, Outer) and Union ❖ Cross Database joining ❖ Data Blending	**Hands on Exercises** ❖ Connect to an excel sheet and import data ❖ Use metadata and extracts ❖ Handle NULL values ❖ Clean up the data before the actual use ❖ Perform various join techniques ❖ Perform data blending from more than one sources
Creation of sets ❖ Marks ❖ Highlighting ❖ Sort and Group ❖ Working with Sets (Creation of sets, Editing sets, IN/OUT, Sets in Hierarchies)	**Hands on Exercises** ❖ Create and edit sets using Marks ❖ Highlight desired items ❖ Make groups, Applying sorting on result ❖ Make hierachies in the created set
Working with Filters ❖ Filters (Addition and Removal) ❖ Filtering continuous dates, dimensions, measures ❖ Interactive Filters	**Hands on Exercises** ❖ Add Filter on data set by date/dimensions/measure ❖ Use interactive filter to views ❖ Remove some filters to see the result

Organizing Data and Visual Analytics ❖ Formatting Data (Labels, Annotations, Tooltips, Edit axes) ❖ Formatting Pane (Menu, Settings, Font, Alignment, Copy-Paste) ❖ Trend and Reference Lines ❖ Forecasting ❖ k-means Cluster ❖ Analysis in Tableau	**Hands on Exercises** ❖ Apply labels, annotations, tooltips to graphs ❖ Edit the attributes of axes ❖ Set a reference line ❖ Do k-means cluster analysis on a dataset
Working wth Mapping ❖ Coordinate points ❖ Plotting Longitude and Latitude ❖ Editing Unrecognized Locations ❖ Custom Geocoding ❖ Polygon Maps ❖ WMS: Web Mapping Services ❖ Background Image (Add Image, Plot Points on Image, Generate coordinates from Image)	**Hands on Exercise** ❖ Plot latitude and longitude on geo map ❖ Edit locations on the map ❖ Create custom geocoding ❖ Use images of a map and plot points on it ❖ Find coordinates in the image ❖ Create a polygon map ❖ Use WMS
Working with Calculations & Expressions ❖ Calculation Syntax and Functions in Tableau ❖ Types of Calculations (Table, String, Logic, Date, Number, Aggregate) ❖ LOD Expressions (concept and syntax) ❖ Aggregation and Replication with LOD Expressions ❖ Nested LOD Expressions	**Hands on Exercises** ❖ NA
Working with Parameters ❖ Create Parameters ❖ Parameters in Calculations ❖ Using Parameters with Filters ❖ Column Selection Parameters ❖ Chart Selection Parameters	**Hands on Exercises** ❖ Create new parameters to apply on a filter ❖ Pass parameters to filters to selet columns ❖ Pass parameters to filters to select charts
Charts and Graphs ❖ Dual Axes Graphs ❖ Histogram (Single and Dual Axes) ❖ Box Plot ❖ Pareto Chart ❖ Motion Chart ❖ Funnel Chart ❖ Waterfall Chart ❖ Tree Map ❖ Heat Map ❖ Market Basket analysis	**Hands on Exercises** ❖ Plot a histogram ❖ Heat map, tree map, funnel chart and others using the same data set, ❖ Do market basket analysis on a given dataset

Dashboards and Stories ❖ Build and Format a Dashboard (Size, Views, Objects, Legends and Filters) ❖ Best Practices for Creative and Interactive Dashboards using Actions ❖ Create Stories (Intro of Story Points, Creating and Updating Story Points, Adding Visuals in Stories, Annotations with Description).	**Hands on Exercises** ❖ Create a dashboard view ❖ Include objects, legends and filters ❖ Make the dashboard interactive ❖ Create and edit a story with visual effects, annotation, description
Integration of Tableau with R and Hadoop ❖ Introduction to R Language ❖ Applications and Use Cases of R ❖ Deploying R on Tableau Platform ❖ Learning R functions in Tableau; Integration with Hadoop	**Hands on Exercises** ❖ Deploy R on tableau ❖ Create a line graph using R interface ❖ Connect tableau with Hadoop and extract data

Tableau Projects

Project 1

Tableau Interactive Dashboard

Data Set – Sales

Objective – This project is involved with working on a Tableau dashboard for sales data. You will gain in-depth experience in working with dashboard objects, learn about visualizing data, highlight action, and dashboard shortcuts. With a few clicks you will be able to combine multiple data sources, add filters and drill down specific information. You will be proficient in creating real time visualizations that are interactive within minutes.

Upon completion of this project you will understand how to create a single point of access for all your sales data, ways of dissecting and analyzing sales from multiple angles, coming up with a sales strategy for improved business revenues.

Project 2

Domain – Crime Statistics (Public Domain)

Objective –The Project aims to show the types of crimes and their frequency that happen in the District of Columbia. Also to provide the details of the crimes like, the area/location and day of the week the crime has happened

Problem statement

Police departments are often called upon to put more "feet on the street" to prevent crime and keep order. But with limited resources, it's impossible to be everywhere at once. This visualization shows where crimes take place by type and which day of the week. This kind of information gives local police more guidance on where they should deploy their crime prevention efforts.

- Map should be plotted at Block site address level
- Show the Offense, Location and Date of Crime occurrence.
- Show the Number of incidents and frequency in percentage for each type of crime happened(Offense)
- Show each incident happened every month by week and weekday and by offense type
- The dashboard should have Crime type and District filters which will be applicable to all three sheets in the dashboard
- An action from Map should filter out the other two sheets accordingly
- An action from tree map and bar chart should highlight the remaining two sheets according to the selection

Project 3

Domain – Healthcare

Objective –Visual Mapping between Vaccination rate and Measles outbreak

Problem statement

Plot measles outbreaks depending on the coverage of population

Plot measles infection cases before 1st dose, between 1st and 2nd dose and after the 2nd dose of measles vaccination

Plot the correlation between immunity when vaccination coverage is high within schools

Plot correlation between poor urban areas which were not vaccinated at high rate and other areas which were vaccinated properly

What makes us who we are

Supriya

*"I wanted to have a grip on reporting and visualization tools, I decided to enroll for Tableau Certification. The faculty was focused on providing hands-on experience rather than just providing theoretical knowledge. Now I consider myself as a full-fledged BI professional"…**Read More!***

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