

TABLEAU TRAINING AND CERTIFICATION COURSE

About IntelliPaat

Intellipaate is a global online professional training provider. We are offering some of the most updated, industry-designed certification training programs in the domains of Big Data, Data Science & AI, Business Intelligence, Cloud, Blockchain, Database, Programming, Testing, SAP and 150 more technologies.

We help professionals make the right career decisions, choose the trainers with over a decade of industry experience, provide extensive hands-on projects, rigorously evaluate learner progress and offer industry-recognized certifications. We also assist corporate clients to upskill their workforce and keep them in sync with the changing technology and digital landscape.

About The Course

Intellipaat's Tableau certification training program helps you learn Tableau and gets you up to work on the concepts of data visualization with a firm understanding of the Tableau architecture. You will become proficient in the concepts of filters, parameters, maps, graphs, dashboards, and table calculation. Furthermore, you will learn about data blending, data aggregation, and R connectivity with Tableau in this online Tableau course.

 <p>Instructor Led Training 30 Hrs of highly interactive instructor led training</p>	 <p>Self-Paced Training 16 Hrs of Self-Paced sessions with Lifetime access</p>	 <p>Exercise and project work 32 Hrs of real-time projects after every module</p>	 <p>Lifetime Access Lifetime access and free upgrade to latest version</p>
 <p>24x7 Support Lifetime 24*7 technical support and query resolution</p>	 <p>Get Certified Get global industry recognized certifications</p>	 <p>Job Assistance Job assistance through 80+ corporate tie-ups</p>	 <p>Flexi Scheduling Attend multiple batches for lifetime & stay updated.</p>

Why take this Course?

- **Global Business Intelligence and Analytics market will expand to US\$22.8 billion in the next two years – Gartner**

- ***Tableau's average salary is 77% higher than all other job profiles – Indeed***
- ***Tableau ranks first in the leader quadrant of the Gartner Magic Quadrant of BI for the fourth consecutive year – Gartner***

Not only is the demand for Tableau experts great, but it also offers huge returns. Tableau Developers have an average annual salary of US\$112,000 in the US and ₹900,000 in India. Tableau is a full Business Intelligence (BI) platform, where anyone can quickly view, search, and analyze data. With Tableau, you can connect to the data you need, whether it's a small database, big data, or cloud data. Also, with its exclusive drag-and-drop functionality, you can easily spot the trends and outliers.

After completing IntelliPaat's Tableau online training course, you will be able to analyze the business of your company and help in developing highly insightful information.

Course Content

1. Introduction to Data Visualization and Power of Tableau
2. Architecture of Tableau
3. Working with Metadata & Data Blending
4. Creation of sets
5. Working with Filters
6. Organizing Data and Visual Analytics

7. Working with Mapping
8. Working with Calculations & Expressions
9. Working with Parameters
10. Charts and Graphs
11. Dashboards and Stories
12. Tableau Prep
13. Integration of Tableau with R and Hadoop

Introduction to Data Visualization and Power of Tableau

What is data visualization?, comparison and benefits against reading raw numbers, real use cases from various business domains, some quick and powerful examples using Tableau without going into the technical details of Tableau, installing Tableau, Tableau interface, connecting to Data Source, Tableau data types, and data preparation.

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, and the ways to share and export the work done in Tableau.

Hands-on Exercise: Play with Tableau desktop, learn about the interface, and share and export existing works.

Working with Metadata and Data Blending

Connection to Excel, cubes and PDFs, management of metadata and extracts, data preparation, Joins (Left, Right, Inner, and Outer) and Union, dealing with NULL values, cross-database joining, data extraction, data blending, refresh extraction, incremental extraction, how to build extract , etc.

Hands-on Exercise: Connect to Excel sheet to import data, use metadata and extracts, manage NULL values, clean up data before using, perform the join techniques, execute data blending from multiple sources , etc.

Creation of sets

Mark, highlight, sort, group, and use sets (creating and editing sets, IN/OUT, sets in hierarchies), constant sets, computed sets, bins, etc.

Hands-on Exercise: Use marks to create and edit sets, highlight the desired items, make groups, apply sorting on results, and make hierarchies among the created sets.

Working with Filters

Filters (addition and removal), filtering continuous dates, dimensions, and measures, interactive filters, marks card, hierarchies, how to create folders in Tableau, sorting in Tableau, types of sorting, filtering in Tableau, types of filters, filtering the order of operations, etc.

Hands-on Exercise: Use the data set by date/dimensions/measures to add filter, use interactive filter to view the data, customize/remove filters to view the result, etc.

Organizing Data and Visual Analytics

Using Formatting Pane to work with menu, fonts, alignments, settings, and copy-paste; formatting data using labels and tooltips, edit axes and annotations, k-means cluster analysis, trend and reference lines, visual analytics in Tableau, forecasting, confidence interval, reference lines, and bands.

Hands-on Exercise: Apply labels and tooltips to graphs, annotations, edit axes' attributes, set the reference line, and perform k-means cluster analysis on the given dataset.

Working with Mapping

Working on coordinate points, plotting longitude and latitude, editing unrecognized locations, customizing geocoding, polygon maps, WMS: web mapping services, working on the background image, including add image, plotting points on images and generating coordinates from them; map visualization, custom territories, map box, WMS map; how to create map projects in Tableau, creating dual axes maps, and editing locations.

Hands-on Exercise: Plot longitude and latitude on a geo map, edit locations on the geo map, custom geocoding, use images of the map and plot points, find coordinates, create a polygon map, and use WMS.

Working with Calculations & Expressions

Calculation syntax and functions in Tableau, various types of calculations, including Table, String, Date, Aggregate, Logic, and Number; LOD expressions, including concept and syntax; aggregation and replication

with LOD expressions, nested LOD expressions; levels of details: fixed level, lower level, and higher level; quick table calculations, the creation of calculated fields, predefined calculations, and how to validate.

Working with Parameters

Creating parameters, parameters in calculations, using parameters with filters, column selection parameters, chart selection parameters, how to use parameters in the filter session, how to use parameters in calculated fields, how to use parameters in reference line, etc.

Hands-on Exercise: Creating new parameters to apply on a filter, passing parameters to filters to select columns, passing parameters to filters to select charts, etc.

Charts and Graphs

Dual axes graphs, histograms: single and dual axes; box plot; charts: motion, Pareto, funnel, pie, bar, line, bubble, bullet, scatter, and waterfall charts; maps: tree and heat maps; market basket analysis (MBA), using Show me; and text table and highlighted table.

Hands-on Exercise: Plot a histogram, tree map, heat map, funnel chart, and more using the given dataset and also perform market basket analysis (MBA) on the same dataset.

Dashboards and Stories

Building and formatting a dashboard using size, objects, views, filters, and legends; best practices for making creative as well as interactive dashboards using the actions; creating stories, including the intro of story points; creating as well as updating the story points, adding catchy visuals in stories, adding annotations with descriptions; dashboards and stories: what is dashboard?, highlight actions, URL actions, and filter actions, selecting and clearing values, best practices to create dashboards, dashboard examples; using Tableau workspace and Tableau interface; learning about Tableau joins, types of joins; Tableau field types, saving as well as publishing data source, live vs extract connection, and various file types.

Hands-on Exercise: Create a Tableau dashboard view, include legends, objects, and filters, make the dashboard interactive, and use visual effects, annotations, and descriptions to create and edit a story.

Tableau Prep

Introduction to Tableau Prep, how Tableau Prep helps quickly combine join, shape, and clean data for analysis, creation of smart examples with Tableau Prep, getting deeper insights into the data with great visual experience, making data preparation simpler and accessible, integrating Tableau Prep with Tableau analytical workflow, and understanding the seamless process from data preparation to analysis with Tableau Prep.

Integration of Tableau with R and Hadoop

Introduction to R language, applications and use cases of R, deploying R on the Tableau platform, learning R functions in Tableau, and the integration of Tableau with Hadoop.

Hands-on Exercise: Deploy R on Tableau, create a line graph using R interface, and also connect Tableau with Hadoop to extract data.

Project Works

Project 1 – Understanding the global covid-19 mortality rates

Topic : Analyze and develop a dashboard to understand the covid-19 global cases. Compare the global confirmed vs. death cases in a world map. Compare the country wise cases using logarithmic axes. Dashboard should display both a log axis chart and a default axis chart in an alternate interactive way. Create a parameter to dynamically view Top N WHO regions based on cumulative new cases and death cases ratio. Dashboard should have a drop down menu to view the WHO region wise data using a bar chart, line chart or a map as per user's requirement.

Project 2 – Understand the UK bank customer data

Topic : Analyze and develop a dashboard to understand the customer data of a UK bank. Create an asymmetric drop down of Region with their respective customer names and their Balances with a gender wise color code. Region wise bar chart which displays the count of customers based on High and low balance. Create a parameter to let the users' dynamically decide the limit value of balance which categorizes it into high and low. Include interactive filters for Job classifications and Highlighters for Region in the final dashboard.

Project 3 – Understand Financial Data

Topic : Create an interactive map to analyze the worldwide sales and profit. Include map layers and map styles to enhance the visualization. Interactive analysis to display the average gross sales of a product under each segment, allowing only one segment data to be displayed at once. Create a motion chart to compare the sales and profit through the years. Annotate the day wise profit line chart to indicate the peaks and also enable drop lines. Add go to URL actions in the final dashboard which directs the user to the respective countries Wikipedia page.

Project 4 – Understand Agriculture Data

Topic : Create interactive tree map to display district wise data. Tree maps should have state labels. On hovering on a particular state, the corresponding districts data are to be displayed. Add URL actions, which direct users' to a Google search page of the selected crop. Web page is to be displayed on the final dashboard. Create a hierarchy of seasons, crop categories and the list of crops under each. Add highlighters for season. One major sheet in the final dashboard should be unaffected by any action applied. Use the view in this major sheet to filter data in the other. Using parameters color code the seasons with high yield and low yield based on its crop categories. Rank the crops based on their yield

Job Assistance Program

Intellipaat is offering job assistance to all the learners who have completed the training. You should get a minimum of 60% marks in the qualifying exam to avail job assistance.

Intellipaat has exclusive tie-ups with over 80 MNCs for placements.



Successfully finish the training

Get your resume updated

Start receiving interview calls

Intellipaat Alumni Working in Top Companies



Supriya Ayalur Balasubramanian



IT Analyst at TCS

It was a wonderful experience and learning from Intellipaat trainers. The trainers were hands on and provided real time scenario's. For me learning cutting edge and latest technologies intellipaat is the right place.



Nisha Mittal



Senior Business Analyst at Accenture

The entire training from Intellipaat is rightly designed and a very well consolidated course. The delivery of content is worthy of praise.



Ashwani Kumar



System Engineer at Cisco Systems

Everything is so well explained. I liked the format and the material. By far, the best online training I have ever attended. Never seen such amazing trainers with excellent knowledge and answering capabilities.

[More Customer Reviews](#)

Our Clients

ERICSSON



SONY



+80 Corporates

Frequently Asked Questions

Q 1. What is the criterion for availing the IntelliPaat job assistance program?

Ans. All IntelliPaat learners who have successfully completed the training post April 2017 are directly eligible for the IntelliPaat job assistance program.

Q 2. Which are the companies that I can get placed in?

Ans. We have exclusive tie-ups with MNCs like Ericsson, Cisco, Cognizant, Sony, Mu Sigma, Saint-Gobain, Standard Chartered, TCS, Genpact, Hexaware, and more. So you have the opportunity to get placed in these top global companies.

Q 3. Do I need to have prior industry experience for getting an interview call?

Ans. There is no need to have any prior industry experience for getting an interview call. In fact, the successful completion of the IntelliPaat certification training is equivalent to six months of industry experience. This is definitely an added advantage when you are attending an interview.

Q 4. If I don't get a job in the first attempt, can I get another chance?

Ans. Definitely, yes. Your resume will be in our database and we will circulate it to our MNC partners until you get a job. So there is no upper limit to the number of job interviews you can attend.

Q 5. Does IntelliPaat guarantee a job through its job assistance program?

Ans. IntelliPaat does not guarantee any job through the job assistance program. However, we will definitely offer you full assistance by circulating your resume among our affiliate partners.