

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 600,000 in over 32 countries and growing. For job assistance and placement we have direct tie-ups with 80+ MNCs.

Key Features of IntelliPaat Training:

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

About the Course

This IntelliPaat Tableau Certification Training program will help you learn Tableau and 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 in this Tableau course.

 <p>Instructor Led Duration – 30 Hrs Weekend Batch – 3 Hrs/Session Weekday Batch – 2 Hrs/Session</p>	 <p>Self Paced Duration – 16 Hrs</p>
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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 be 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 the fourth year - Gartner
- ❖ Average Tableau salaries are 77% higher than average for all other salaries. – indeed.com



Course Curriculum

Module /Topic	Hands-on exercises
<p style="color: #f4a460;">Introduction to Data Visualization and Power of Tableau</p> <ul style="list-style-type: none"> ❖ What is data visualization? ❖ Comparison and benefits of reading raw numbers ❖ Real usage examples from various business domains ❖ Some quick powerful examples using Tableau without going into the technical details of Tableau ❖ Installing Tableau ❖ Tableau interface connecting to Data Source ❖ Tableau Data Types ❖ Data preparation 	
<p style="color: #f4a460;">Architecture of Tableau</p> <ul style="list-style-type: none"> ❖ Installation of Tableau Desktop ❖ Architecture of Tableau ❖ The interface of Tableau (Layout, Toolbars, Data Pane, 	<ul style="list-style-type: none"> ❖ Play with the tableau desktop ❖ Interface to learn its user interface

<p>Analytics Pane etc)</p> <ul style="list-style-type: none"> ❖ How to start with Tableau? ❖ Ways to share and exporting the work done in Tableau 	<ul style="list-style-type: none"> ❖ Share an existing work Export an existing work
<p>Working with Metadata & Data Blending</p> <ul style="list-style-type: none"> ❖ 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 ❖ Data extraction ❖ Refresh extraction ❖ Incremental extraction ❖ How to build extract? 	<ul style="list-style-type: none"> ❖ 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
<p>Creation of sets</p> <ul style="list-style-type: none"> ❖ Marks ❖ Highlighting ❖ Sort and Group ❖ Working with Sets (Creation of sets, Editing sets, IN/OUT, Sets in Hierarchies) ❖ constant sets, computed Sets, and bins 	<ul style="list-style-type: none"> ❖ Create and edit sets using Marks ❖ Highlight desired items ❖ Make groups, Applying sorting on the result ❖ Make hierarchies in the created set
<p>Working with Filters</p> <ul style="list-style-type: none"> ❖ Filters (Addition and Removal) ❖ Filtering continuous dates, dimensions, measures ❖ Interactive Filters, marks card, and hierarchies ❖ How to create folders in Tableau? ❖ Sorting in Tableau ❖ Types of sorting ❖ Filtering in Tableau ❖ Types of filters ❖ Filtering order of operations 	<ul style="list-style-type: none"> ❖ Add Filter on dataset by date/dimensions/measure ❖ Use the interactive filter to views ❖ Remove some filters to see the result

<p>Organizing Data and Visual Analytics</p> <ul style="list-style-type: none"> ❖ 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 ❖ Visual analytics in Tableau ❖ Reference lines and bands ❖ Confidence interval 	<ul style="list-style-type: none"> ❖ Apply labels, annotations, tooltips to graphs ❖ Edit the attributes of axes ❖ Set a reference line ❖ Do k-means cluster analysis on a dataset
<p>Working with Mapping</p> <ul style="list-style-type: none"> ❖ Coordinate points ❖ Plotting Longitude and Latitude ❖ Editing Unrecognized Locations ❖ Custom Geo-coding ❖ Polygon Maps ❖ WMS: Web Mapping Services ❖ Background Image (Add Image, Plot Points on Image, Generate coordinates from Image) ❖ Map visualization ❖ Custom territories ❖ Map Box ❖ WMS Map ❖ How can we create map projects in Tableau? ❖ How to create Dual Access Map? ❖ How to edit location? 	<ul style="list-style-type: none"> ❖ 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
<p>Working with Calculations & Expressions</p> <ul style="list-style-type: none"> ❖ 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 ❖ Level of Details ❖ Fixed Level of Details 	

<ul style="list-style-type: none"> ❖ Lower Level of Details ❖ Higher Level of Details ❖ Quick Table Calculations ❖ How to create Calculated Fields? ❖ Predefined Calculations and how to validate? 	
<p>Working with Parameters</p> <ul style="list-style-type: none"> ❖ Create Parameters ❖ Parameters in Calculations ❖ Using Parameters with Filters ❖ Column Selection Parameters ❖ Chart Selection Parameters ❖ How to use Parameters in Filter Session? ❖ How to use parameters in Calculated Fields? ❖ How to use parameters in Reference Line? 	<ul style="list-style-type: none"> ❖ Create new parameters to apply on a filter ❖ Pass parameters to filters to select columns ❖ Pass parameters to filters to select charts
<p>Charts and Graphs</p> <ul style="list-style-type: none"> ❖ 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 ❖ Using Show me ❖ Types of Charts ❖ Text Table ❖ Heat map ❖ Highlighted Table ❖ Pie Chart ❖ Tree map ❖ Bar chart ❖ Line Chart ❖ Bubble Chart ❖ Bullet chart ❖ Scatter Chart 	<ul style="list-style-type: none"> ❖ Plot a histogram ❖ Heat map, tree map, funnel chart and others using the same data set, ❖ Do market basket analysis on a given dataset

<ul style="list-style-type: none"> ❖ Dual Axis Graphs ❖ Funnel Charts ❖ Pareto Chart ❖ Maps ❖ Hands-on Lab ❖ Assignment ❖ Funnel Chart ❖ Waterfall 	
<p>Dashboards and Stories</p> <ul style="list-style-type: none"> ❖ 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). ❖ Dashboards & Stories ❖ what is Dashboard ❖ Filter Actions ❖ Highlight Actions ❖ URL Actions ❖ Selecting & Clearing values ❖ Dashboard Examples, Best Practices in Creating Dashboards ❖ Tableau Workspace ❖ Tableau Interface ❖ Tableau Joins ❖ Types of Joins ❖ Live vs. Extract Connection ❖ Tableau Field Types ❖ Saving and Publishing Data Source ❖ File Types 	<ul style="list-style-type: none"> ❖ Create a dashboard view ❖ Include objects, legends, and filters ❖ Make the dashboard interactive ❖ Create and edit a story with visual effects, annotation, description
<p>Integration of Tableau with R and Hadoop</p> <ul style="list-style-type: none"> ❖ Introduction to R Language ❖ Applications and Use Cases of R ❖ Deploying R on Tableau Platform ❖ Learning R functions in Tableau; Integration with Hadoop 	<ul style="list-style-type: none"> ❖ Deploy R on the tableau ❖ Create a line graph using R interface ❖ Connect tableau with Hadoop and extract data

Project Work

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.

- ❖ The 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 the population
- ❖ Plot measles infection cases before the 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 a high rate and other areas which were vaccinated properly.

Project 4: Analyzing market performance

Industry: Retail

Problem Statement: Using the Consumer Packaged Goods data to analyze which are the markets which are performing well for a particular retail enterprise using Tableau Desktop.

Topic: This Tableau Desktop project involves working with the complex Consumer Packaged Goods data to come up with the brand performance analysis, regions that are contributing good to the revenues, where there is a need to offer more discounts to spur sales, and making in-depth budget vs. spend analysis for any particular year.

Highlight:

- ❖ Combining data sources, adding filters, drilling down data
- ❖ Building an interactive Dashboard and reports for detailed analysis.
- ❖ Deriving real-time visualization of data for business insights.

Intellipaate Job Assistance Program

Intellipaate is offering comprehensive job assistance to all the learners who have successfully completed the training. A learner will be considered to have successfully completed the training if he/she finishes all the exercises, case studies, projects and gets a minimum of 60% marks in the Intellipaate qualifying exam.

Tableau Desktop Training



Intellipaap has exclusive tie-ups with over 80 MNCs for placement. All the resumes of eligible candidates will be forwarded to the Intellipaap job assistance partners. Once there is a relevant opening in any of the companies, you will get a call directly for the job interview from that particular company.

Frequently Asked Questions:

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

Ans. All Intellipaap learners who have successfully completed the training post April 2017 are directly eligible for the Intellipaap 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. Does Intellipaap help learners to crack the job interviews?

Ans. Intellipaap has an exclusive section which includes the top interview questions asked in top MNCs for most of the technologies and tools for which we provide training. Other than that our support and technical team can also help you in this regard.

Q 4. 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 Intellipaap certification training is equivalent to six months of industry experience. This is definitely an added advantage when you are attending an interview.

Q 5. What is the job location that I will get?

Ans. Intellipaap will try to get you a job in your same location provided such a vacancy exists in that location.

Q 6. Which is the domain that I will get placed in?

Ans. Depending on the Intellipaap certification training you have successfully completed, you will be placed in the same domain.

Q 7. Is there any fee for the IntelliPaat placement assistance?

Ans. IntelliPaat does not charge any fees as part of the placement assistance program.

Q 8. 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 9. 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.

Q 10. What is the salary that I will be getting once I get the job?

Ans. Your salary will be directly commensurate with your abilities and the prevailing industry standards.

What makes us who we are?



"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"

-Supriya



"The IntelliPaat 24/7 support with the Tableau training was really exceptionally and really one of the best in the industry, is my honest opinion. Thanks IntelliPaat for such a great user experience. Thumbs up to this Tableau course."

-Pavan Kumar