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## Tableau Desktop II: Intermediate ( TTD201 )

Expand your Tableau proficiency and differentiate yourself as a power user. Learn more advanced methods for connecting to data, working with calculations, building visualizations, applying analytics such as parameters, and customizing dashboards.

[Overview](#) [Class Regist...](#)

### Job Role

Business Analyst, Consultant, Designer, End User, Business User

### Duration

In-Person: 2 Full Day(s)

Virtual: 2 Full Day(s) or 4 Half Day(s)

### Related Classes

In-person Class

[Visual Analytics](#)

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[Tableau Desktop III: Advanced](#)

In-person Class

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## Learn the Foundations of AI

Trailhead Academy classes include a lesson where you'll learn AI concepts, responsible AI practices, and how to use AI and Salesforce together to drive productivity.

## Overview

### Who should take this course?

This course is designed for proficient Tableau users who want to acquire more advanced skills. You should have either completed Tableau Desktop I: Fundamentals or have at least 3 months of product experience. Before taking this course, you should know how to connect to data, create visualizations using fields on shelves and the Marks card, filter data, sort data, and build a dashboard. Note: This course accommodates authoring in Tableau Desktop, Tableau Cloud, and Tableau Server.

Tableau Desktop II: Intermediate is included in the [Tableau Training Pass \(https://trailheadacademy.salesforce.com/tableau-training-pass-overview\)](https://trailheadacademy.salesforce.com/tableau-training-pass-overview).

### Prerequisites:

Tableau Desktop I: Fundamentals, or at least three months of product experience

### When you complete this course, you will be able to:

- Combine data from multiple tables using joins, unions, and relationships.
- Use extracts to improve performance.
- Build advanced chart types, including bar-in-bar and bullet graphs.
- Use advanced calculations and table calculations to modify data as needed for analysis.
- Use statistical techniques to analyze data.
- Use parameters and input controls to support audience analysis.
- Build better dashboards using techniques for guided analytics, interactive dashboard design, and visual best practices.

## Pework

Prepare for the course with this Trailmix.

## Tour the Tableau Environment

### Class Registration

Billing country

United States

Currency

USD

Classes can only be purchased in a currency that your billing country supports. Use the Billing Country filter to see available classes. If your billing country/currency isn't available, [contact us \(https://trailhead.salesforce.com/help?topic=Trailhead\\_Academy&topicName=Trailhead%20Academy&groupName=Trailhead\\_Support\)](https://trailhead.salesforce.com/help?topic=Trailhead_Academy&topicName=Trailhead%20Academy&groupName=Trailhead_Support).

Virtual Class

#### Tableau Desktop II: Intermediate (TTD201)

Register

Dec 18 through Dec 21, 2023, from 9:00 AM to 1:00 PM EST (from 6:00 AM to 10:00 AM PST) · Delivered by Salesforce · Virtual · Virtual

Language: English

\$1,800.00 (USD)

Virtual Class

#### Tableau Desktop II: Intermediate (TTD201)

Register

Dec 19 through Dec 20, 2023, from 9:00 AM to 5:00 PM EST (from 6:00 AM to 2:00 PM PST) · Delivered by Salesforce · Virtual · Virtual

Language: English

\$1,800.00 (USD)

Virtual Class

#### Tableau Desktop II: Intermediate (TTD201)

Register

Dec 27 through Dec 28, 2023, from 9:00 AM to 5:00 PM PST · Delivered by Salesforce · Virtual · Virtual

Language: English

\$1,800.00 (USD)

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## Lessons and Topics

### Introduction and Review

- Introduction to Tableau Desktop II: Intermediate
- Using Measure Values and Measure Names in a View
- Working with Dates in Tableau
- Discrete Date Parts and Continuous Date Values
- Permissions in Tableau
- Navigating a Tableau Site

### Creating and Connecting to Data Sources

- Data Connections Page
- Physical and Logical Layers
- Connecting to Single- and Multi-table Data Sources

- Migrated Data Sources
- The Data Pane User Interface
- View Data
- Joins (Inner, Left and Right, Full Outer)
- Unions
- Merging Fields
- Relationship Levels of Detail
- Setting up a Relationship Between Tables
- Joins vs. Relationships
- Creating Relationships Between Tables from Different Databases
- Relationships, Joins, Unions and Blends
- Combining Data Decision Tree

### **Data Extracts**

- Using Data Extracts
- Configuring and Running an Extract
- Logical Table vs. Physical Table Extracts

### **Using Calculations in Tableau**

- Understanding Where Calculations Occur
- Creating and Editing Calculated Fields
- Calculations and Aggregations
- Aggregating Dimensions in Calculations
- Join Calculations
- Level of Detail (LOD) Expressions

### **Comparing Measures**

- Comparing Two Measures (Bar in Bar Chart)
- Comparing Progress Toward a Goal (Bullet Graph)
- Using Reference Lines (2 slides)
- Reference Bands

### **Viewing Distributions**

- Bins and Histograms
- Box and Whisker Plots

### **Advanced Table Calculations**

- Table Calculation Overview
- Tips for Learning Table Calculations
- Levels of Control
- Table Calculation Scope and Direction
- Table Calculation Specific Dimension
- Other Scope and Direction Options
- Null Values in Table Calculations
- Table Calculations for Statistical Analysis

### **Creating and Using Parameters**

- Using Parameters
- Parameters and Filters
- Using Parameters with Reference Lines

### **Defining Subsets of Your Data**

- Using Sets
- Combined Sets
- In and Out Sets
- Analyze an Outlier Using Explain Data
- Nested Sorting and Context Filters

## Dashboards

- Planning Your Dashboard
- Building Your Dashboard
- Add Interactivity with Filters and Actions
- Adding Actions to Your Dashboard
- Additional Dashboard Actions
- Set Actions
- Parameter Actions
- Visual Best Practices
- Add Instructions & Annotations
- Tooltips
- Remove Chart Extras
- Publish Your Dashboard Online

### Learn

Trails  
Trailmixes  
Modules  
Projects  
Trailhead Academy  
Career Paths

### Credentials

Superbadges  
Certifications  
Maintain Certifications  
Verify Certifications  
Take Free Certification Prep

### Community

Trailblazer Community  
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Quests  
Be a Multiplier (BAM)  
Salesforce Developers  
Salesforce Admins  
Trailblazer Connect

### Extras

Sales Enablement  
Customer Stories  
Trail Tracker  
Sample Gallery  
Trailhead Store  
Trailhead Help



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