BOARD INFINITY

BEGINNER · DATA ANALYTICS · NO PRIOR TABLEAU EXPERIENCE NEEDED

Data Visualization with Tableau

Full course syllabus - every module, video lesson, reading and assignment, from installing Tableau to designing dashboards.

Board Infinity
Instructor · Offered on Coursera

4	60	15	2 weeks
Modules	Video lessons	Assignments	At 10 hours a week

INSIDE THE COURSE

01	Basics of Tableau	5 hours to complete
02	Fundamentals of Tableau	5 hours to complete
03	Tableau Charts: From Basic to Advanced Visualizations	5 hours to complete
04	Advanced Tableau: Techniques and Dashboard Design	5 hours to complete

Enroll on Coursera

https://www.coursera.org/learn/data-visualization-with-tableau

01 ABOUT THE COURSE

One course that goes all the way to dashboards.

Data Visualization with Tableau is a beginner-friendly course for people who need to turn data into something other people can read. It starts with installing Tableau and the difference between exploratory and explanatory analysis, and ends with an interactive dashboard.

Every module pairs short screen-recorded lessons with a quiz on the same idea - 60 videos, 13 readings and 15 assignments in all, four of them graded quizzes. No specific prerequisites are required.

WHO IT'S FOR

Aspiring analysts
Learning to read data visually and pick the right chart.

Business professionals
Reporting to stakeholders through clear dashboards.

Developers
Adding Tableau to a technical skill set.

Educators & creators
Explaining data to an audience in IT and computer science.

WHAT YOU'LL LEARN

01 **Master Tableau fundamentals** Module 1
Install Tableau, navigate the interface, connect data and use the Data Pane, Analytics Pane and Sheet Tabs

02 **Transform and prepare data** Module 2
Joins, unions, filters, calculated fields, groups, sets, hierarchies and data blending

03 **Build compelling visualizations** Module 3
Charts from bar and line to heat maps, maps, dual-axis, control, Pareto and waterfall charts

04 **Design dashboards that communicate** Module 4
Advanced calculations, reference and trend lines, forecasting and dashboard design

02 SYLLABUS

Four modules, install to dashboard.

2 weeks to complete at 10 hours a week. Flexible schedule - learn at your own pace.

01 Basics of Tableau

5 hours

15 videos

Installation, the interface, data connections and Tableau's panes

BY THE END OF THIS MODULE YOU CAN

- Install Tableau and navigate its interface, menus and toolbar
- Explain exploratory vs explanatory analysis and why visualization matters
- Connect, join and union data, and choose a live connection or an extract

CONTENTS: 15 videos (76 min) · 4 readings (100 min) · 4 assignments (105 min) · 1 plugin (15 min)

TOPICS: Tableau UI · Data connections · Joins & unions · Live vs extract · Data Pane · Analytics Pane · Sheet Tabs

You'll leave with: Tableau installed, data connected, and a working grasp of the interface.

02 Fundamentals of Tableau

5 hours

16 videos

Marks Cards, pills, filters, calculated fields, blending and joins

BY THE END OF THIS MODULE YOU CAN

- Use Shelves, Cards, the Marks Card and Legends, and green vs blue pills
- Split, pivot and transform data, and clean it with bulk re-aliasing
- Build hierarchies, groups, sets, filters and calculated fields; blend and join sources

CONTENTS: 16 videos (108 min) · 3 readings (90 min) · 4 assignments (105 min)

TOPICS: Marks Card · Green & blue pills · Pivoting · Filters & dates · Groups & sets · Calculated fields · Data blending

You'll leave with: raw data shaped into something worth charting - cleaned, calculated and blended.

03 Tableau Charts: From Basic to Advanced Visualizations

5 hours
16 videos

Bar and line through to control, Pareto and waterfall charts

BY THE END OF THIS MODULE YOU CAN

- Build bar, line, scatterplot, histogram and pie charts, and know when to use each
- Build heat maps, maps, dual-axis, bump, control, Pareto and waterfall charts
- Visualize categorical, time-series and multi-variable data in one view

CONTENTS: 16 videos (110 min) · 3 readings (90 min) · 4 assignments (105 min)

TOPICS: Bar & line charts · Scatterplots · Heat maps · Maps · Dual-axis charts · Control charts · Pareto charts · Waterfall charts

You'll leave with: twelve chart types, and the judgement to pick the one that makes the point.

04 Advanced Tableau: Techniques and Dashboard Design

5 hours
13 videos

Calculations, statistics, forecasting and interactive dashboards

BY THE END OF THIS MODULE YOU CAN

- Write aggregate, date, logic, number and string calculations; integrate Mapbox
- Add summary statistics, reference lines, trend lines and forecasts
- Explain what a dashboard is for, then build one end to end

CONTENTS: 13 videos (158 min) · 3 readings (70 min) · 3 assignments (90 min)

TOPICS: Mapbox · Calculations · Summary statistics · Reference & trend lines · Forecasting · Dashboard design

You'll leave with: an interactive dashboard of your own, built on calculations and a forecast.

03 TOOLS & SKILLS

The tool you work in, and what you leave with.

Tableau — The tool

Interface, data connections, calculations, charts and dashboards.

In this course: The whole course runs inside Tableau, from module one's install.

Dashboards — What you build

What a dashboard is, what it's for, and how to design one.

In this course: Built end to end in module four.

Mapbox — Map integrations

Geographic views that go past Tableau's default maps.

In this course: Integrated in module four.

Your data sources — What you connect

Joins, unions, live connections, extracts and blending.

In this course: Covered across modules one and two.

SKILLS YOU LEAVE WITH

Working in Tableau

- Tableau Software
- Data Visualization Software
- Data Manipulation
- Data Transformation

Analysing the data

- Exploratory Data Analysis
- Data Analysis
- Data Visualization
- Interactive Data Visualization

Communicating it

- Data Storytelling
- Data Presentation
- Dashboard Creation

04 CERTIFICATE & CAREER

Finish with a shareable certificate.

Add it to LinkedIn
Add this credential to your LinkedIn profile, resume, or CV.

Share it anywhere
Share it on social media and in your performance review.

Earned, not attended
Awarded on the graded work across 15 assignments.

Two names on it
Board Infinity as the provider, Coursera as the platform.

WHERE THIS SKILL GETS USED

Data Analyst · Business Intelligence Analyst · Data Visualization Specialist · Reporting Analyst · Business Analyst · Career switchers

Board Infinity
Instructor · Offered on Coursera · 2,700 already enrolled
Beginner level · English + 7 languages · Flexible schedule

Ready to build your first dashboard?

Enrollment, lessons, grading and the certificate all happen on Coursera.

Enroll on Coursera

Course page:
coursera.org/learn/
data-visualization-with-tableau

Want a coach alongside the course?

Board Infinity 1:1 coaching is a separate, optional Board Infinity offering - it is not part of the Coursera course. Details: https://www.boardinfinity.com/career-coaching/

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