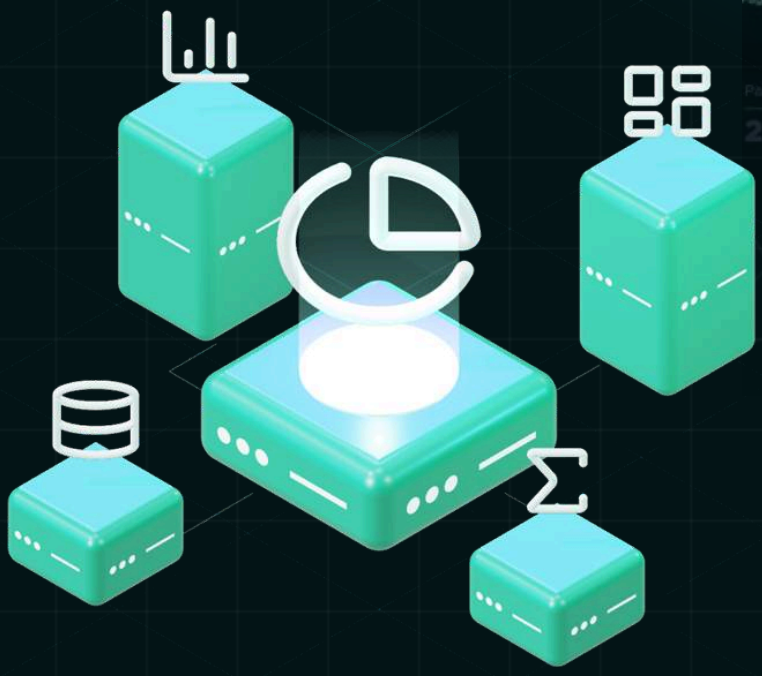
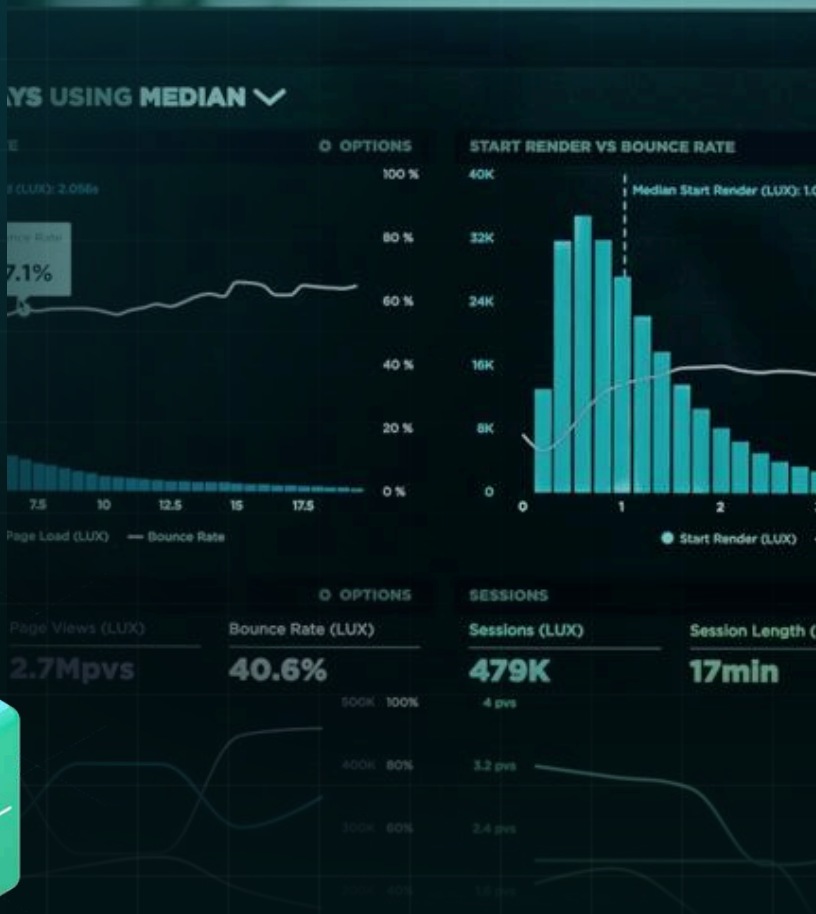
samcommunity.in

✦ DATA SCIENCE & ANALYTICS · INTERMEDIATE

Tableau Desktop & Server

Visual analytics, end to end.





48
HOURS

8
MODULES

SAM-TAB
CERTIFICATION

SAMCOMMUNITY ACADEMY

academy@samcommunity.in

samcommunity.in

✦ INSIDE THIS BROCHURE

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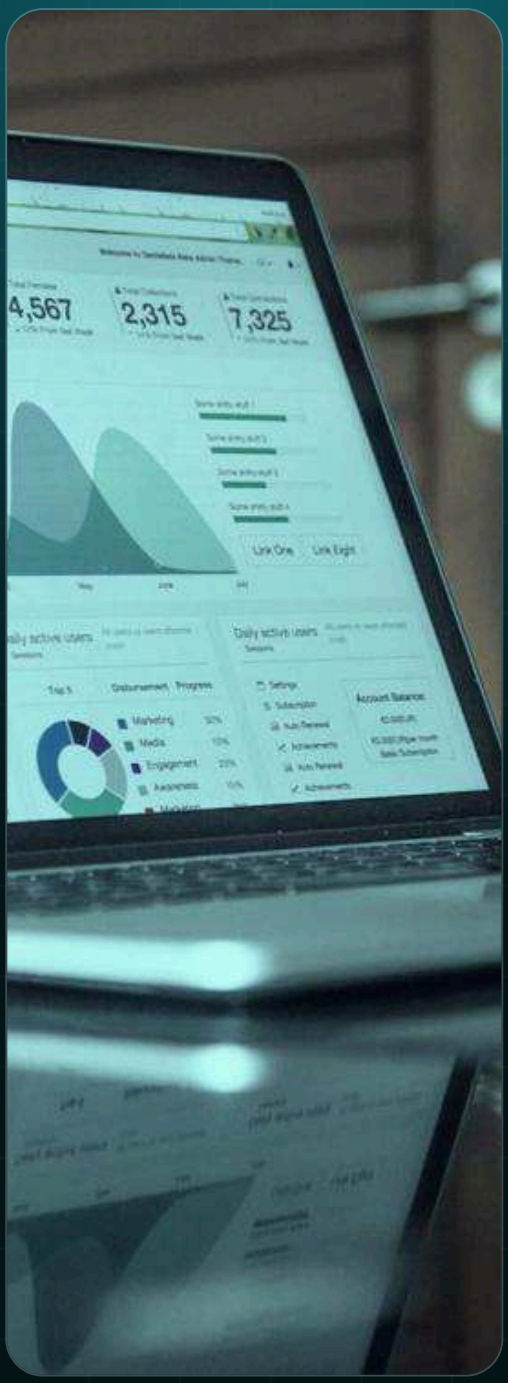
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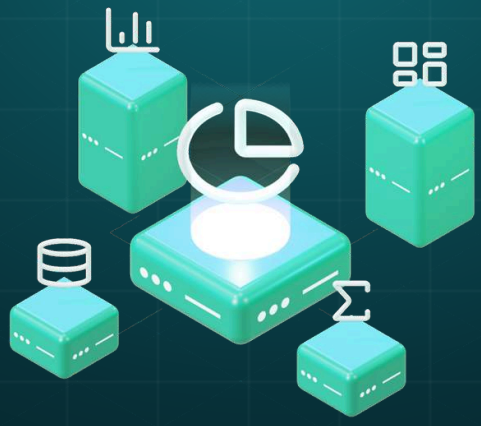


AT A GLANCE

Level	Intermediate
Duration	48 Hours
Modules	8
Certificate	SAM-TAB

✦ PROGRAM OVERVIEW

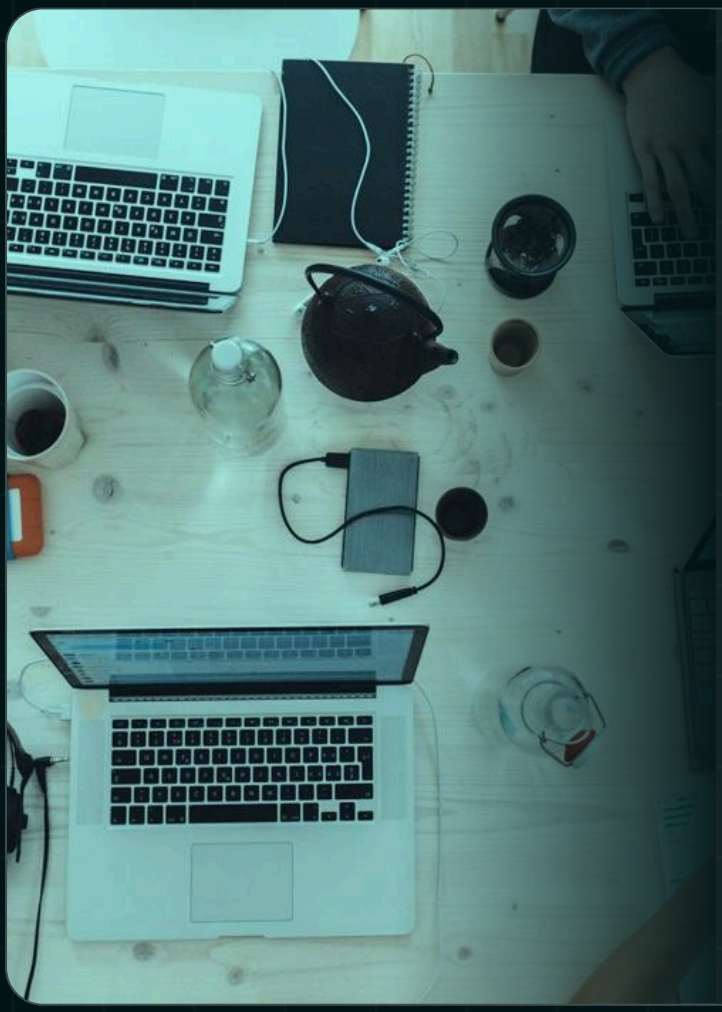
Visual analytics, end to end.



Create, publish and manage Tableau visualisations and dashboards for teams.

Visual analytics helps teams explore data quickly and share insights widely, but only when dashboards are well built and well governed. This intermediate program covers Tableau Desktop for connecting, shaping and visualising data, calculations and parameters for deeper analysis, and Tableau Server or Tableau Cloud for publishing, permissions, extracts and content governance.

LEVEL	DURATION	CERTIFICATION	DELIVERY
Intermediate	48 Hours	SAM-TAB	Instructor-led · Live virtual · Blended



✦ WHAT YOU'LL PRACTISE

Connect and prepare data	01
Build charts and dashboards	02
Use calculations and parameters	03
Publish and govern on Tableau Server	04

✦ WHO IT'S FOR

Built for people ready to grow.

01

Business professionals

Data literacy, Excel and SQL foundations

02

Analysts

Power BI, Tableau and Python for analysis

03

Data engineers

Pipelines with Spark, Kafka and Airflow

04

Data scientists & architects

ML, NLP, computer vision and platform design

PREREQUISITES

Comfort with Excel and basic data concepts	01
Basic SQL knowledge is helpful	02
Interest in visual analytics	03

ROLES YOU CAN TARGET

- Tableau Developer ↗
- BI Analyst ↗
- Data Analyst ↗
- Tableau Server Administrator ↗
- Reporting Specialist ↗

✦ LEARNING OUTCOMES

What you'll be able to do.

01 Connect to and prepare data using relationships and Tableau Prep

02 Build effective charts, maps and interactive dashboards

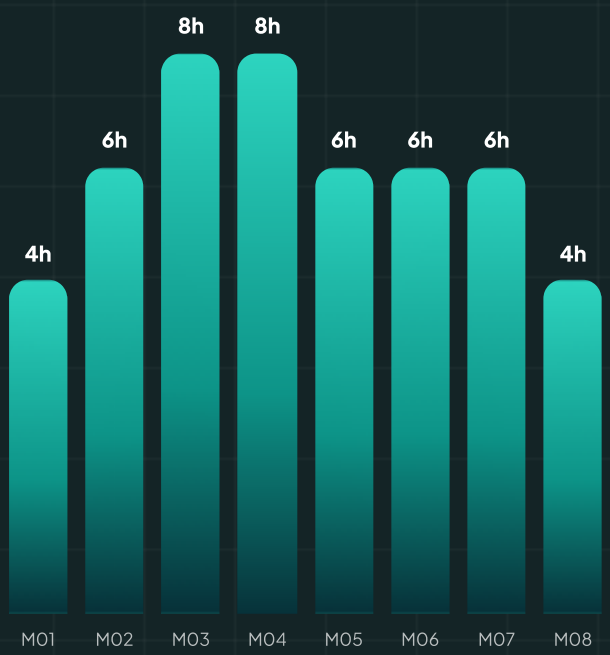
03 Write calculated fields, table calculations and LOD expressions

04 Use parameters, sets and actions for interactivity

05 Publish and schedule content on Tableau Server or Cloud

06 Manage sites, projects, permissions and data governance

HOURS PER MODULE



✦ PROGRAM RUNWAY

Your journey, module by module.

8
MODULES · 48 HRS

01	**Tableau Fundamentals** Tableau product family, Interface, shelves and marks, Dimensions vs measures	4 hrs
02	**Data Connections and Preparation** Live vs extract connections, Relationships, joins and unions, Data interpreter and pivots	6 hrs
03	**Building Visualisations** Bar, line and area charts, Scatter plots and histograms, Maps and geographic analysis	8 hrs
04	**Calculations and Analytics** Calculated fields and logic, Table calculations, Level of Detail expressions	8 hrs
05	**Parameters, Sets and Actions** Parameters and dynamic measures, Sets and set actions, Filter and highlight actions	6 hrs
06	**Dashboards and Storytelling** Dashboard layout and containers, Device-specific layouts, Stories for presentations	6 hrs
07	**Tableau Server and Cloud** Server vs Tableau Cloud, Publishing workbooks and data sources, Extract refresh schedules	6 hrs
08	**Administration and Governance** Sites, projects and groups, Permissions and roles, Row-level security	4 hrs
★	**Capstone · Enterprise Visual Analytics Solution** Assessment, capstone review and certification	

✦ DETAILED CURRICULUM

The syllabus.

Modules 01–03

MODULE 01

Tableau Fundamentals

4 hours

Hands-on lab
Connect to a superstore dataset and build first exploratory views.

TOPICS COVERED

- Tableau product family
- Interface, shelves and marks
- Dimensions vs measures
- Discrete vs continuous fields
- Connecting to data

Tableau

MODULE 02

Data Connections and Preparation

6 hours

Hands-on lab
Combine and clean multiple sources using relationships and a Tableau Prep flow.

TOPICS COVERED

- Live vs extract connections
- Relationships, joins and unions
- Data interpreter and pivots
- Tableau Prep Builder flows
- Data source filters

Tableau

MODULE 03

Building Visualisations

8 hours

Hands-on lab
Build a set of sales and profit views including a geographic map.

TOPICS COVERED

- Bar, line and area charts
- Scatter plots and histograms
- Maps and geographic analysis
- Dual-axis and combination charts
- Filters, groups and hierarchies
- Formatting and colour best practices

LEARN BY DOING

8 guided labs, one in every module.

✦ DETAILED CURRICULUM

Syllabus, continued.

Modules 04–06

MODULE 04

Calculations and Analytics

8 hours

Hands-on lab
Use LOD expressions to compare customer-level and regional profitability.

TOPICS COVERED

- Calculated fields and logic
- Table calculations
- Level of Detail expressions
- Date calculations
- Trend lines and forecasting
- Reference lines and bands

MODULE 05

Parameters, Sets and Actions

6 hours

Hands-on lab
Create a dashboard where users switch measures and drill using actions.

TOPICS COVERED

- Parameters and dynamic measures
- Sets and set actions
- Filter and highlight actions
- Parameter actions
- Dynamic zone visibility

MODULE 06

Dashboards and Storytelling

6 hours

Hands-on lab
Design an executive dashboard and a three-point data story.

TOPICS COVERED

- Dashboard layout and containers
- Device-specific layouts
- Stories for presentations
- Performance best practices
- Accessibility in dashboards

LEARN BY DOING

8 guided labs, one in every module.



✦ DETAILED CURRICULUM

Syllabus, continued.

Modules 07–08

MODULE 07

Tableau Server and Cloud

6 hours

Hands-on lab
Publish a workbook with an extract and configure a refresh schedule.

TOPICS COVERED

- Server vs Tableau Cloud
- Publishing workbooks and data sources
- Extract refresh schedules
- Subscriptions and data-driven alerts
- Bridge for on-premises data

Tableau

MODULE 08

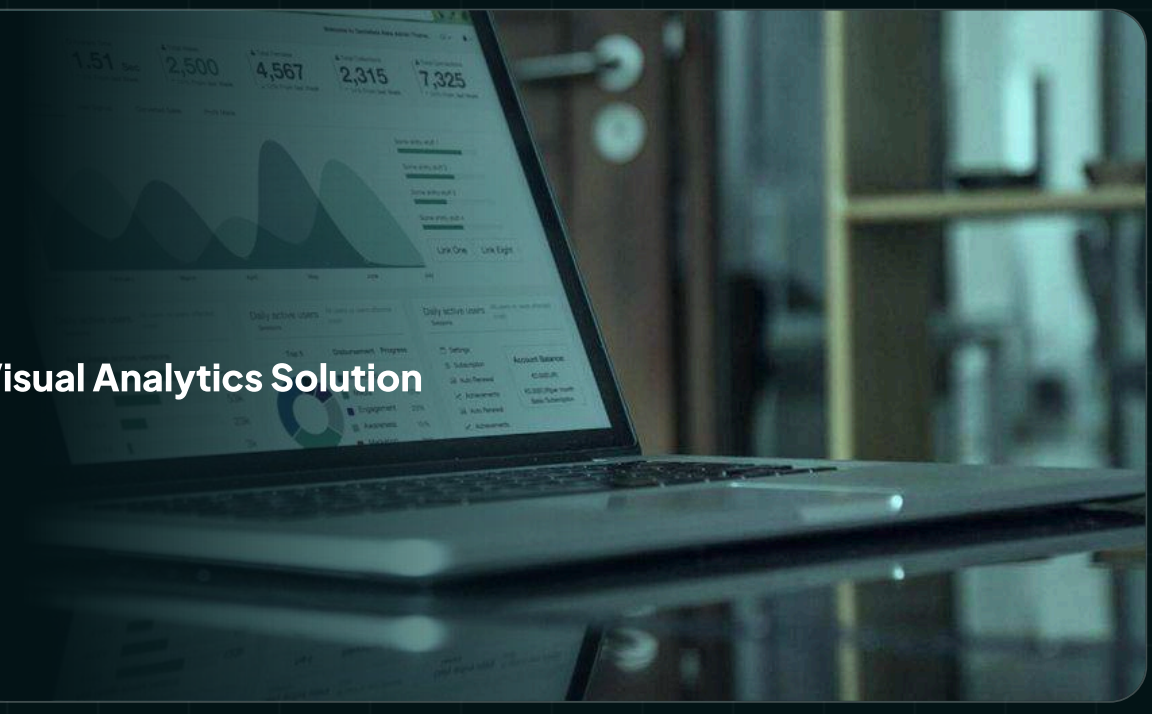
Administration and Governance

4 hours

Hands-on lab
Set up a project hierarchy with group permissions and row-level security.

TOPICS COVERED

- Sites, projects and groups
- Permissions and roles
- Row-level security
- Certified data sources
- Monitoring usage



CAPSTONE

Enterprise Visual Analytics Solution

✦ YOUR STACK

Tools you'll build with.

Real platforms and frameworks — the same stack modern teams ship with, practised in cloud-hosted labs.

Tableau
Visual analytics



LAB ACCESS

24×7 cloud labs for the length of the program

✦ HANDS-ON WORK

Projects that prove you can do it.

01

Sales and Profit Explorer

Build an interactive dashboard analysing sales, profit and discounts by region, category and customer segment.

02

Customer Analytics Workbook

Use LOD expressions, sets and parameters to analyse customer value, cohorts and retention patterns across regions.

03

Governed Server Deployment

Publish certified data sources and dashboards with refresh schedules, permissions and row-level security configured for each user group.

CAPSTONE PROJECT

Enterprise Visual Analytics Solution

Prepare multi-source data, build an interactive multi-dashboard workbook with calculations, parameters and actions, and deploy it on Tableau Server or Cloud with governed data sources, permissions, refresh schedules and a stakeholder presentation.

Real-world scenario | Mentor review | Portfolio ready



CERTIFICATION

SAM-TAB

Awarded on successful completion of the program assessments.

- MCQ assessments
- Practical lab evaluation
- Project & capstone review
- Final presentation



✦ HOW YOU LEARN

The SAM Learning Framework™

PHASE 01

S

Scenario

Real-world attack and use-case scenarios open every module.

PHASE 02

A

Apply

Hands-on lab work, CTF challenges and live projects.

PHASE 03

M

Master

Assessment, peer review and certification prep.

PHASE 04

M

Mentor

Post-program career guidance and support.

DELIVERY MODELS

- Instructor-Led (ILT)
- Virtual Instructor-Led
- Self-Paced Online
- E-Learning Licensing
- Blended Learning
- Corporate Onsite
- Bootcamp Intensive
- Hackathon / CTF
- Mentorship

✦ LEARNING PATH · DATA SCIENCE & ANALYTICS

Where this program fits.

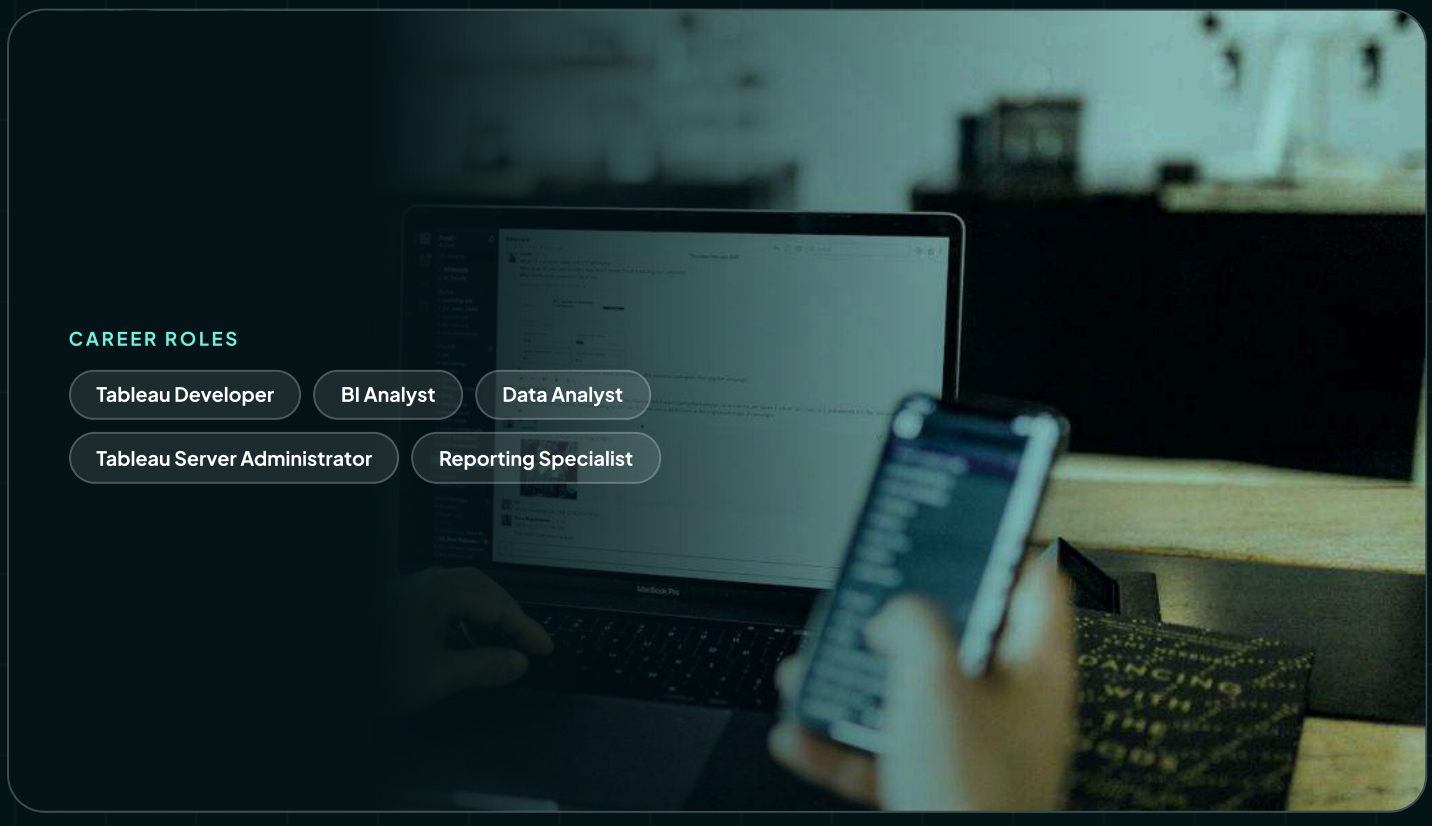
Beginner	Intermediate	Advanced	Expert
3 programs	You are here	4 programs	2 programs

BEFORE THIS

Data Literacy for Business Professionals	16 Hours
Excel for Data Analysis	24 Hours
SQL for Data Analysts	40 Hours

UP NEXT

Advanced Data Engineering (Spark/Kafka/Airflow)	96 Hours
Machine Learning for Data Scientists	80 Hours
NLP for Data Scientists	64 Hours
Computer Vision	64 Hours



CAREER ROLES

- Tableau Developer
- BI Analyst
- Data Analyst
- Tableau Server Administrator
- Reporting Specialist

✦ FAQS

Questions, answered.

Q01

Do I need prior experience?

You should be comfortable with Excel and basic data concepts. No previous Tableau experience is required, as the program starts with fundamentals. Basic SQL knowledge is useful when working with database connections.

Q02

How are classes scheduled and delivered?

Sessions are instructor-led and run as live virtual or blended batches, with weekday and weekend options where available. Sessions mix live demonstrations with guided dashboard building and exercises.

Q03

Will I receive a certificate?

Yes. Learners who complete the required labs, projects and final assessment receive the Samcommunity Academy SAM-TAB certificate. It recognises the practical skills you demonstrated during the program rather than attendance alone.

Q04

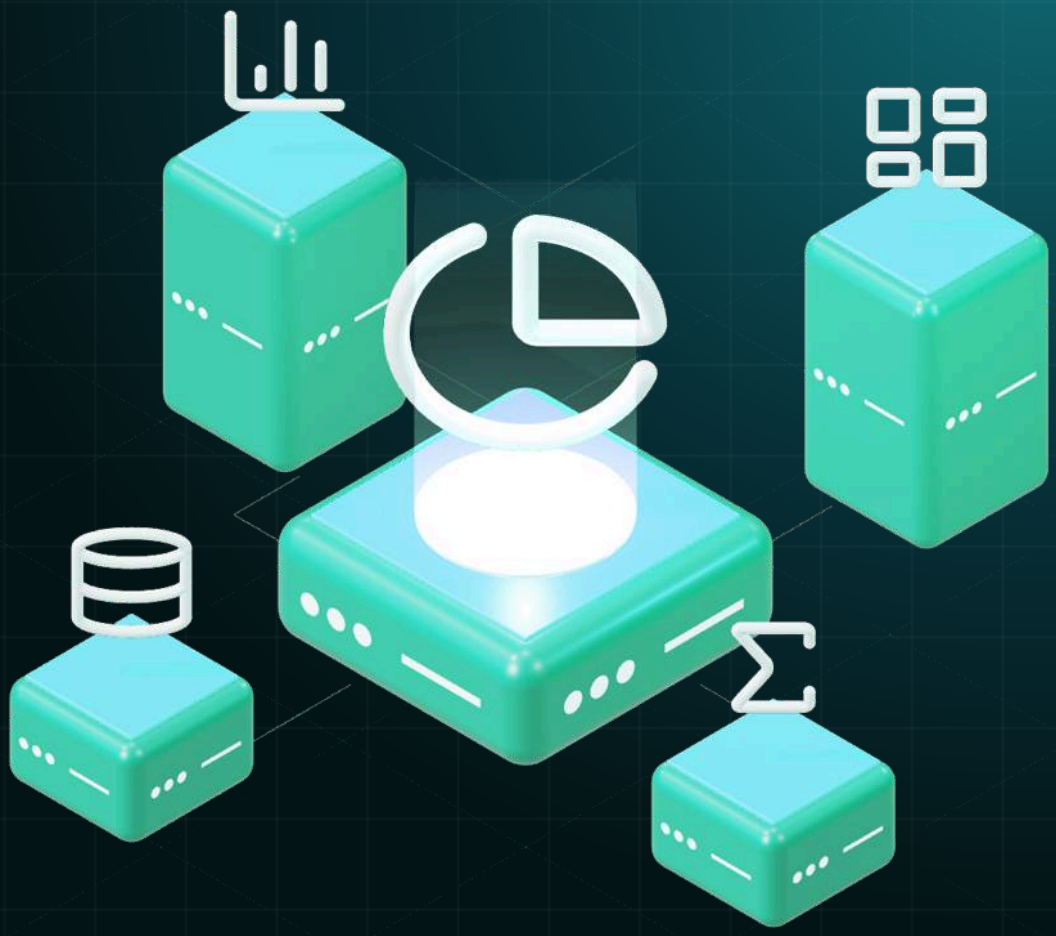
How do I access labs and tools?

Labs use Tableau Desktop with a trial or licensed version, or Tableau Public for practice, plus Tableau Prep. Server and Cloud exercises use a training environment where available. Setup guidance and datasets are provided.

Q05

Is career support included?

You get guidance on portfolio projects, resume positioning and interview preparation for relevant roles. Dashboards can be shared on Tableau Public as portfolio work. We do not guarantee jobs, placements or salaries.



✦ LET'S TALK

Start Tableau Desktop & Server with Samcommunity.

INDIVIDUALS

academy@samcommunity.in

Batches, enrolment & career guidance

CORPORATE & INSTITUTIONS

corporate@samcommunity.in

Team batches & custom programs

Xylyn Samcommunity Private Limited · DPIIT-recognized startup · Surat, Gujarat, India