



techventive.io
US Engineering Studio

Cohort enrolling now

info@techventive.io · 202-709-6940
5010 Sunnyside Ave, Suite 108, Beltsville, MD 20705
www.techventive.io

DATA ANALYST BOOTCAMP

Data *Analyst*

6 weeks · Beginner+ · live + recorded

A hands-on data analytics curriculum covering Excel, SQL, Python (pandas), statistics, BI tools (Tableau, Power BI), dashboard design, and the storytelling skills that get analysts hired — delivered by senior US-based analysts who ship dashboards used by execs every day.

10

CORE MODULES

35+

PRACTICAL SKILLS

5+

PROJECT TRACKS

1:1

CAREER SUPPORT

The *production stack* you'll master

Each tool taught with the workflows and failure modes practitioners actually meet on the job.

01

Excel

Advanced formulas & PivotTables

02

SQL

PostgreSQL / Snowflake

	03 Python Pandas, NumPy
	04 Tableau Enterprise BI
	05 Power BI Microsoft BI stack
	06 Looker Modern BI / LookML
	07 dbt Analytics engineering
	08 Stats Hypothesis testing
	09 Git Notebook version control
	10 Airtable Lightweight data ops

Foundation *modules*

First half of the curriculum – core fundamentals and the most common day-to-day skills.

01 Analytics Foundations What analysts actually do, the lifecycle of a question, types of data, structured vs. unstructured, the 'so what' framework.
02 Excel Mastery Advanced formulas (XLOOKUP, INDEX/MATCH), PivotTables, Power Query, conditional formatting, Excel as a fast prototyping tool.

03

SQL for Analysts

SELECT, JOIN, aggregates, window functions, CTEs, subqueries, performance basics, PostgreSQL + Snowflake hands-on.

04

Python & Pandas

Jupyter, data structures, pandas DataFrames, cleaning, merging, group-by, time series, matplotlib basics.

05

Statistics & Probability

Descriptive stats, distributions, sampling, confidence intervals, hypothesis tests, p-values, A/B test analysis.

Freshers

Land your first analyst role with a portfolio of real dashboards and SQL projects.

Excel Power Users

Level up from spreadsheets to SQL, Python, and modern BI tools.

Career Switchers

Move from finance / ops / marketing into a dedicated data analyst role.

Aspiring DS

Build the analytics foundation that every data scientist needs.

techventive.io · Your engineering career, supercharged.

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Advanced *modules*

Second half – production patterns, real-world operations, and the senior-level depth.

06

Tableau Deep-Dive

Connections, calculated fields, LOD expressions, parameters, dashboard design, publishing to Tableau Server.

07

Power BI Deep-Dive

Power Query M, DAX measures, data modeling, report design, row-level security, deployment to Power BI Service.

08

Storytelling with Data

Dashboard layout, chart selection, narrative arcs, executive summaries, before/after data presentations.

09

Analytics Engineering

Intro to dbt, staging models, tests, documentation, the 'modern data stack' analyst flow.

Capstone Project

End-to-end: pull data, clean it, model it, build a dashboard, present findings to stakeholders.

🔑 Hands-on project outcomes

- Write complex SQL queries with joins, window functions, and CTEs.
- Clean and analyse messy datasets in pandas notebooks.
- Build interactive Tableau dashboards with parameters and LOD.
- Build DAX-powered Power BI reports with row-level security.
- Run A/B test analysis with proper statistical rigor.
- Design analytics-engineering models in dbt with tests.
- Present findings via clear executive-ready storytelling.
- Publish a portfolio of 3+ end-to-end analytics projects.

🎓 Course learnings

- SQL fluency — the single highest-leverage analyst skill.
- Statistical thinking for everyday business questions.
- BI tooling (Tableau + Power BI) at production depth.
- Modern analytics engineering with dbt and version control.
- How to translate vague business asks into precise queries.
- Storytelling — turning numbers into decisions.

Career readiness, *built in.*

techventive.io turns this curriculum into job-ready positioning — project explanation, résumé and LinkedIn rewrites, GitHub portfolio polish, technical interview preparation, and placement-focused guidance through to the offer letter.

Data Analyst

BI Analyst

Analytics Engineer

Marketing Analyst

Operations Analyst

Business Intelligence Developer

Freshers

Excel Power Users

Career Switchers

Aspiring DS

Start your Data Analyst journey with techventive.io.

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