UrbanScholar

PROGRAM BROCHURE

CAREER TRACK · DATA SCIENCE

DATA SCIENCE



A full-stack data science track — statistics, SQL, visualization, and ML — for learners who want to turn raw data into decisions, not just run one-off notebooks.

10–12	8	6	2
WEEKS	MODULES	CAPSTONES	PROGRAM TRACKS

TWO TRACKS · KICKSTART & CAREER

Program Overview

How this track builds end-to-end data science skills

From raw data to a decision. This track is sequenced around the full data science lifecycle — cleaning, analysis, modeling, and communication — so every project ends in an insight someone can act on, not just a chart.

Built-in mentorship. Each module closes with a mentor-reviewed checkpoint, so gaps get caught early instead of at the final capstone.

Career layer, not an afterthought. Resume positioning, interview readiness, and aptitude prep run alongside the technical modules — not bolted on in the last week.

Who This Is For

- Students & freshers wanting a full data science portfolio
- Analysts pivoting toward data science & ML
- Anyone comfortable with basic Python & statistics

What You'll Walk Away With

- 6 end-to-end data science projects for your portfolio
- Working fluency in SQL, Pandas & visualization tools
- A recruiter-ready resume built around real project outcomes

Program Snapshot

18+ Hrs Live Instructor-Led Sessions

6 Real-World Capstone Projects

8 Structured Learning Modules

Training + Internship Certificate

Mentor-Reviewed Project Checkpoints

Placement & Interview Support

Learning Path

8 modules, sequenced from foundations to deployment

1 · Data Science Foundations

- The data science lifecycle, end to end
- Analyst vs. scientist vs. engineer roles
- Tooling overview for the track ahead

2 · Python for Data Science

- NumPy & Pandas for data wrangling
- Handling missing & messy data
- Writing reusable analysis code

3 · Statistics for Data Science

- Descriptive statistics & distributions
- Hypothesis testing & A/B testing
- Correlation vs. causation, done right

4 · Data Visualization

- Matplotlib, Seaborn & Plotly
- Storytelling with data, not just charts
- Dashboard basics in Power BI/Tableau

5 · SQL for Data Science

- Queries, joins & aggregations
- Window functions for real analysis
- Working directly with production-style databases

6 · Machine Learning for Data Science

- Regression & classification basics
- Clustering for exploratory analysis
- Evaluating models the right way

7 · Big Data & Cloud Basics

- An introduction to Spark
- Working with datasets too big for a laptop
- Cloud data warehouses — BigQuery/Redshift

8 · Communicating Insights

- Building reports that get read
- Presenting findings to non-technical stakeholders
- Turning analysis into a recommendation

Tools and Softwares You Can Work With

Py Python | SQL SQL | Pa Pandas | PB Power BI / Tableau

Sc Scikit-learn | Sp Spark (intro)

Capstone Projects

Six builds that turn coursework into a portfolio — 1 of 2

1 · Exploratory Data Analysis on a Public Dataset

A full EDA project with visual storytelling and a written insights report.

SOFTWARE USED

Py Python | Pa Pandas | MS Matplotlib/Seaborn

- Clean & profile a real messy dataset
- Surface non-obvious patterns visually
- Write findings for a non-technical reader

2 · Sales & Revenue Analytics Dashboard

An interactive dashboard tracking revenue, region, and product-level KPIs.

SOFTWARE USED

SQL SQL | PB Power BI/Tableau

- Design KPIs that map to business goals
- Build drill-down interactive views
- Automate the underlying data refresh

3 · A/B Test Analysis for a Product Feature

Design and statistically evaluate an A/B test for a product change.

SOFTWARE USED

Py Python | ST statistical testing

- Define a proper experiment design
- Run significance testing correctly
- Translate results into a go/no-go call

Capstone Projects

Six builds that turn coursework into a portfolio — 2 of 2

4 · Customer Lifetime Value Prediction

A predictive model estimating how much a customer is worth over time.

SOFTWARE USED

Py Python | Pa Pandas | Sc Scikit-learn

- Engineer features from transaction history
- Build & validate a CLV model
- Segment customers by predicted value

5 · Public Health Trend Analysis

Analyze and visualize trends from an open public-health dataset.

SOFTWARE USED

Py Python | Pa Pandas | VT visualization tools

- Work with real-world open data quirks
- Visualize trends across regions/time
- Present findings responsibly & accurately

6 · End-to-End Data Pipeline Project

Ingest, clean, model, and visualize data from raw source to a finished dashboard.

SOFTWARE USED

Py Python | SQL SQL | AB a BI tool

- Automate ingestion from a raw source
- Chain cleaning & transformation steps
- Surface the result in a live dashboard

A Day in the Role

What a Data Scientist's Day Actually Looks Like

- Pull & clean data from multiple sources
- Explore data to find the real question
- Build & validate models against that question
- Visualize findings for a business audience
- Present recommendations, not just numbers
- Track how decisions based on your work play out

> **The throughline:** every capstone in this brochure is a smaller version of one of these responsibilities — so the portfolio you leave with maps directly to the job you're training for.

Career Outlook

Where a data science skill-set actually leads

Data science hiring today spans analysts, scientists, and analytics engineers — companies need people who can move from raw data to a decision, not just build a model in isolation.

Role	What They Do	Salary Range (Fresher / Experienced)
Data Scientist	Builds models & analyses that guide business decisions	₹5–9 LPA / ₹10–20 LPA
Data Analyst	Turns data into reports, dashboards & insights	₹4–7 LPA / ₹8–16 LPA
Business Intelligence Analyst	Builds & maintains BI dashboards for leadership	₹4–7 LPA / ₹9–17 LPA
Analytics Engineer	Builds the data pipelines analysts & scientists rely on	₹6–10 LPA / ₹12–22 LPA
Data Science Consultant	Delivers data science projects across client engagements	₹6–10 LPA / ₹14–24 LPA
Quantitative/Research Analyst	Applies statistical analysis to specialized domains	₹6–10 LPA / ₹14–26 LPA

Indicative ranges from general India market trends — validate against current job-board data before publishing.

Companies Actively Hiring in This Space

Am Amazon · Fl Flipkart · My Myntra · TCS TCS · Ac Accenture · Sw Swiggy

Representative employers in this space — not confirmed UrbanScholar hiring partners.

Program Tracks

Two tracks, same curriculum depth — the difference is placement intensity

KICKSTART

- 14+ hrs live cohort + recorded lectures
- 2 guided projects
- 6 months LMS access
- QR-verified completion certificate
- Mentor support — SLA ≤ 48 hrs
- Resume building workshop
- Mock aptitude test
- Pre-placement orientation session

CAREER

- 20+ hrs live cohort + recorded lectures
- 2 projects + capstone (Minor + Major)
- 6 months LMS access, extendable till placed
- QR-verified + Industry-Readiness certification
- Priority mentor support — SLA ≤ 24 hrs
- Resume + LinkedIn profile building
- 1-on-1 mock interviews with feedback
- Active placement & referral assistance

Common to Both Tracks

All 8 Curriculum Modules

All 6 Capstone Projects

Mentor-Reviewed Checkpoints

Training + Internship Certificate

Where UrbanScholar Data Science Learners Can Head

Product & Tech Companies

Fintech & E-commerce

IT Services & Consulting

Research & Analytics Firms

Freelance / Independent Consulting

Placement Journey

How career support is woven through the program, not tacked on at the end

1

Build Foundation

Resume & LinkedIn built around real project outcomes, not generic templates.

2

Sharpen Aptitude

Structured aptitude & reasoning practice aligned to actual hiring-test formats.

3

Practice Interviews

Mock interviews with direct, specific feedback — not just a pass/fail score.

4

Get Placement Ready

Soft-skill coaching and, on the Career track, active referral support.

Why this order matters: most programs bolt placement prep onto the last week. Here it runs in parallel with the technical modules, so by the time your capstones are done, your resume and interview readiness are already in place — not started from scratch.

Quick Questions

Do I need prior background to start?

Some familiarity helps, but the early modules — starting with Data Science Foundations — rebuild the fundamentals from the ground up.

What happens if I fall behind a session?

Every live session is recorded, and mentor SLA windows exist specifically to help you catch up between checkpoints.

Can I switch tracks mid-program?

Yes — Kickstart learners can upgrade to Career at any point by paying the difference, carrying forward completed modules.

Is the certificate recognized by employers?

It's a QR-verified training + internship certificate — employers can verify authenticity directly, not just take it on faith.

UrbanScholar

Industry-Trained. Project-Proven. Career-Ready.

Get In Touch

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PROGRAM

Data Science — Kickstart & Career Tracks