

SkillShot Data Analysis Bootcamp

Join the Course & Master Data
Analysis



04 Weeks



8.00 P.M

Limited Seats – Enroll Today!

[Schoolofskilldevelopment.in](https://schoolofskilldevelopment.in)

Schedule

Class	Topic	Hands-On Activity & Tools	Outcome & Skills Gained
1	Introduction to Data Analytics	Explore data types, roles; Excel fundamentals	Understand data analysis scope; Excel for data manipulation
2	SQL for Data Retrieval	Write SQL queries on sample databases	Extract and filter data efficiently from relational databases
3	Python for Data Analysis	Use Pandas and NumPy to clean and explore datasets	Data wrangling and manipulation with Python
4	Data Visualization Basics	Visualize data using Matplotlib and Power BI	Create effective charts and dashboards for insights
5	Statistics & Exploratory Analysis	Apply descriptive stats and identify patterns	Draw meaningful conclusions from data distributions
6	Real-world Data Projects	Work on domain-specific projects (FMCG, Hospitality)	Apply end-to-end analysis on large datasets with business
7	AI Automation & Data Engineering Basics	Automate workflows and prep data pipelines	Build AI-enabled analysis and learn pipeline essentials
8	Capstone Project & Presentation	Deliver full analysis: cleaning, querying, viz, story	Showcase job-ready portfolio with business insights

SkillShot Full Stack Development Live & Hands-On Learning Syllabus

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Class 1: Introduction to Data Analytics & Excel

- Overview of data analytics and career paths
- Types of data: structured, unstructured, semi-structured
- Excel basics: formulas, pivot tables, filters
- Hands-on: Clean and organize a sample dataset in Excel

Outcome: Understand data analytics fundamentals and Excel for data prep

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Class 2: SQL for Data Retrieval & Manipulation

- Introduction to relational databases
- SQL queries: SELECT, WHERE, JOIN, GROUP BY
- Filtering and aggregating data for analysis
- Hands-on: Query a mock database to extract reports

Outcome: Use SQL to extract and manipulate data efficiently

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Class 3: Python for Data Analysis

- Setting up Python environment and Jupyter notebooks
- Using Pandas and NumPy for cleaning, filtering, and numerical operations
- Hands-on: Load, clean, and transform CSV datasets programmatically

Outcome: Gain ability to perform data wrangling with Python

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Class 4: Data Visualization with Matplotlib & Power BI

- Visualization principles: chart types, dashboards
- Creating visualizations using Matplotlib and Seaborn
- Intro to Power BI interface and dashboard creation
- Hands-on: Build interactive charts and dashboards

Outcome: Communicate insights through effective visuals

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Class 5: Statistics & Exploratory Data Analysis (EDA)

- Descriptive statistics: mean, median, mode, variance
- Data distribution analysis and outlier detection
- Correlation, basic hypothesis testing
- Hands-on: Perform EDA on real-world datasets in Python

Outcome: Summarize and interpret dataset characteristics

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Class 6: Domain-Specific Real-World Projects

- Applying analysis to FMCG, healthcare, or hospitality data
- Defining problems and KPIs
- Hands-on: End-to-end mini-project with cleaning, analysis, visualization

Outcome: Experience practical domain-focused data projects

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Class 7: AI Automation & Data Engineering Basics

- Automating repetitive data tasks with Python scripts
- Introduction to ETL concepts and simple pipelines
- AI-powered analytics overview
- Hands-on: Automate data preparation and build mini pipelines

Outcome: Understand automation and basic data pipeline creation

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Class 8: Capstone Project & Presentation

- Full analysis workflow: data prep, querying, visualization, storytelling
- Prepare and deliver final presentation
- Peer and instructor feedback
- Outcome: Demonstrate job-ready skills with polished data analysis project

WHY ENROLL IN THIS COURSE

Why This Course

Hands on learning

- Hands-on projects and live coding sessions



Expert Instructor

- Learn from experienced instructors



Portfolio Enhance

- Build a portfolio-ready final project



Live QnA

- Interactive Q&A sessions for doubt resolution



Beginner Friendly

- Ideal for beginners and working professionals



Contact Us!



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