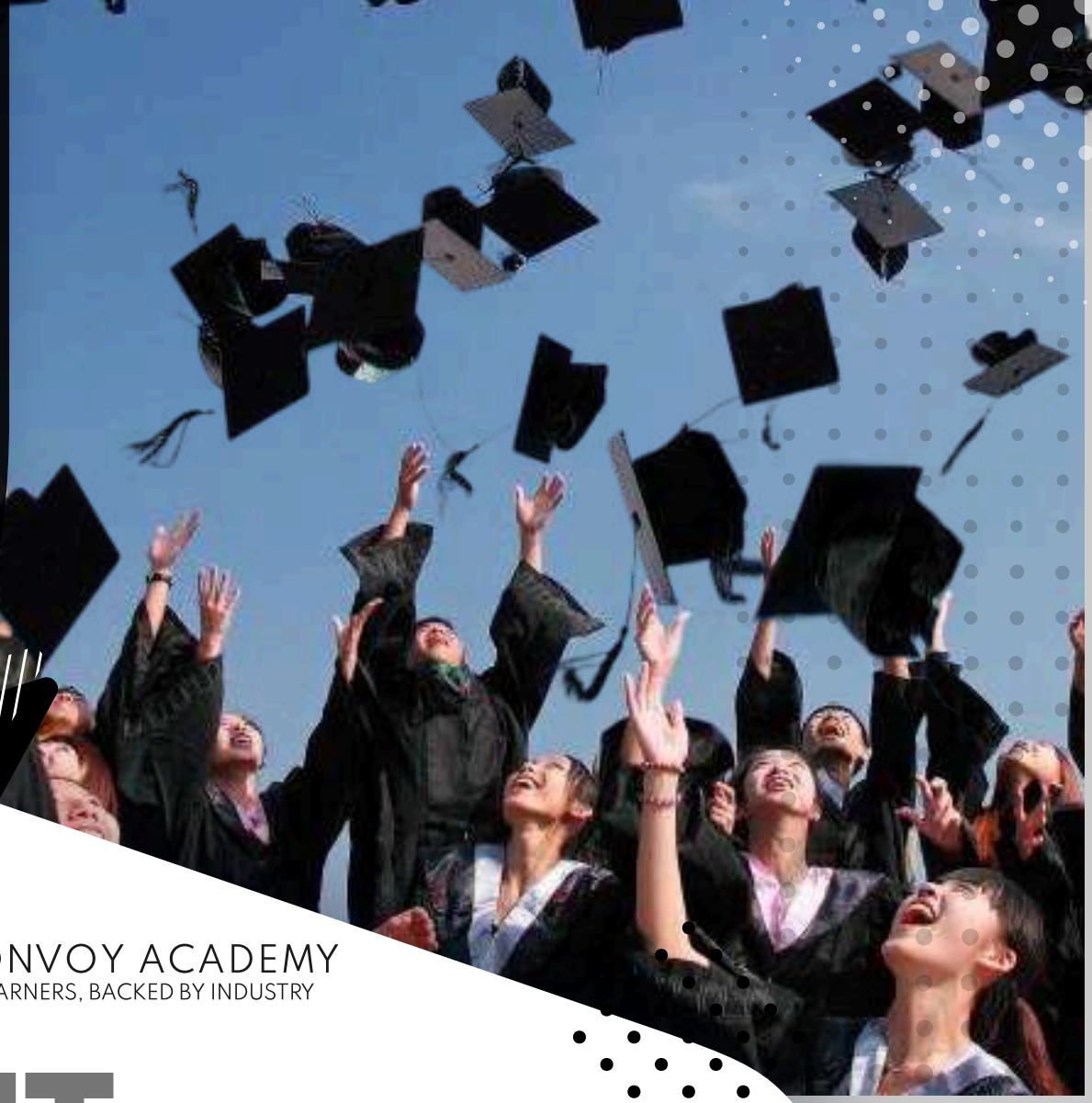
WEBCONVOY ACADEMY



WEBCONVOY ACADEMY
BUILT FOR LEARNERS, BACKED BY INDUSTRY

#1 IT INSTITUTE

DATA SCIENCE
DATA ANALYSIS
FRONT END
UI/UX
BACK END
ANDROID / IOS
WEBSITE DESIGNING
SOFTWARE TESTING
C/C+/JAVA/PYTHON
AI/ML
DIGITAL MARKETING

DATA ANALYSIS

Course Curriculum

6 month | Online & Offline

The Data Analysis course at WebConvoy Academy is designed to equip students with the core skills needed to analyze, interpret, and visualize data for actionable insights. Through expert-led sessions (offered both online and offline), learners gain practical experience with industry-standard tools like Excel, SQL, Python, and Tableau.

The course combines foundational theory with hands-on projects using real-world datasets to sharpen analytical thinking and decision-making.

Students also undertake a 2-month internship to apply their knowledge in live, data-focused environments.

WebConvoy Academy supports students in building a job-ready portfolio and connects them with leading organizations seeking data-savvy talent. With dedicated mentorship, resume building, interview training, and career support, we help learners confidently pursue roles such as Data Analyst, Reporting Analyst, Business Intelligence Analyst, and Data Consultant.

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WHY LEARN DATA ANALYSIS

Data Analysis is a crucial and rapidly expanding field dedicated to interpreting data to drive informed decisions. It goes beyond just handling data it's about uncovering meaningful insights that solve real-world challenges. Data analysts use tools like Excel, SQL, Python, and visualization software to identify trends, generate reports, and support strategic planning. As data becomes central to business success, this career suits analytical thinkers who enjoy working with numbers, uncovering patterns, and delivering actionable outcomes.

Data Analyst salaries in India

Very High Confidence · 8,007 Salaries submitted · Updated 20 May 2025

Experience

All years of experience

Base pay

₹4L - ₹8L/yr

₹6L/yr Average base pay

Additional salary

₹50K/yr Average

₹25K - ₹1L/yr Range

CAREER IN DATA ANALYSIS

A career in Data Analysis offers diverse opportunities across industries focused on data-driven decision-making and growth. As businesses increasingly depend on data to guide strategies, skilled analysts are highly sought after to interpret trends, generate reports, and support operational improvements. Job roles include Data Analyst, Business Intelligence Analyst, Reporting Analyst, and Data Coordinator in sectors like technology, finance, healthcare, and retail. Utilizing tools such as Excel, SQL, Python, and visualization software, data analysts play a vital role in transforming raw data into actionable insights that enhance efficiency and drive business success.

DATA ANALYSIS

At **WebConvoy Academy**, we believe that great outcomes start with great planning. Our team regularly comes together to brainstorm, evaluate, and improve how we train our **students** both **technically** and **professionally**.

Data Analysis Course Overview

- ✓ **Executive Program 6 Months**

  Master data analysis techniques to get actionable business insights.

- ✓ **Project Internship - 2 Months (Unpaid)**

  Gain hands-on experience with a 2-month unpaid project internship.

- ✓ **Online Class & Offline Class**

  Flexible learning both online and offline classes available.

- ✓ **Portfolio Development**

  Build a strong Data Analyst portfolio with real-world projects and expert mentorship.

- ✓ **1:1 Mentorship & Doubt Support**

  Personalized 1:1 mentorship and instant doubt support throughout your development journey.

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KEY FEATURES

TOPIC-WISE CURRICULUM

WEEKLY DOUBT SESSION

PERSONAL MENTORSHIP

100%
PLACEMENT ASSISTANT

1 MONTH MOCK INTERVIEW & RESUME PREPARATION

Data Analysis Cheat Sheet

Introduction To Numpy
Array Creation
Array Manipulation
Indexing / Slicing
Indexing with Boolean Arrays
Indexing with Integer Arrays
Broadcasting
Mathematical Functions
Pyfftw and Anfft
Numpy Performance Tips
Numpy Resources

Writing and Executing Code Python Program
Python Data Types
Python Operators
Python Lists
Slicing with Lists
Tuple
Dictionary
Sets
Python Conditional Statements
Functions
Lambda Function
If all operator
If any operator
Map function
Filter function
Looping Statements
While loop
For loop
Break
Continue
Pass
Exception Data Types
Try Except, Finally Block
Raise Statement
Assert Statement
String Handling
Slicing
Concatenate
Strip, lstrip, rstrip
Find, rfind, index, rindex
Count, startswith, endswith
Split, rsplit, splitlines
Join
Python Cat
Creating and accessing files
Reading and writing files
Seek function
Tell function
Python Bat
Python Dictionary
Python Set
Python Module
Python Modules
Python Packages
Python Iterables
Python Iterators
Python Generators
Python Decorators
Python Regular Expressions
Regular Expressions(Regex)
Regex Character Classes
Regex Quantifiers
Regex Character Locations
Regex Groups
Regex Special Characters
Regex Resources
Regular Expressions(Regex)
Matching a Character with Regex
Matching Any Character with Regex
Matching Whitespace Characters with Regex
Matching Digits with Regex
Matching Alphanumeric with Regex
Matching Start and End of a Line with Regex
Matching Word Boundaries with Regex
Matching Zero or More Times with Regex
Matching Optional Characters with Regex
Matching Zero or More Times with Greedy Regex
Matching Zero or More Times with Lazy Regex
Matching Specific Number of Times with Regex
Matching Specific Number of Times with Lazy Regex
Matching Character in Range with Regex
Matching Character in Range with Lazy Regex
Matching Any Character in Range with Regex
Matching Any Character in Range with Lazy Regex
Matching Any Character Not in Range with Regex
Matching Any Character Not in Range with Lazy Regex
Capturing Groups with Regex
Capturing Groups with Lazy Regex
Capturing Groups with Regex Example
Capturing Groups with Lazy Regex Example
Capturing Groups with Regex Example 2
Capturing Groups with Lazy Regex Example 2
Capturing Groups with Regex Example 3
Capturing Groups with Lazy Regex Example 3
Capturing Groups with Regex Example 4
Capturing Groups with Lazy Regex Example 4
Capturing Groups with Regex Example