

## ***Analytics & Data Science Education***

### ***About Our Programs***

At Datalysis, we are dedicated to providing high-quality education in Analytics and Data Science. Our courses are tailored to meet the growing demand for skilled professionals in the fields of data analysis, machine learning, artificial intelligence, and big data. We empower students, working professionals, and career changers with the tools and knowledge they need to succeed in today's data-driven world.

Our curriculum is carefully designed to balance theoretical understanding with hands-on application, preparing learners to solve real-world problems and build industry-relevant expertise.

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### ***Our Core Programs***

#### ***1. Data Analytics***

##### ***Overview:***

This program focuses on equipping learners with the skills to analyze, interpret, and visualize data. Participants will learn to work with Excel, SQL, and Power BI, and gain a strong foundation in descriptive and inferential statistics.

##### ***What You Will Learn:***

- Data cleaning and preprocessing techniques
- Creating dashboards using Power BI
- Writing efficient SQL queries
- Exploratory data analysis and reporting
- Business problem solving through analytics

##### ***Who Should Enroll:***

Students new to data, business professionals aiming to enhance decision-making, and individuals interested in data-driven roles.

**Next Batch:** Starts from 1st of June

Contact us for more information.

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#### ***2. Machine Learning***

##### ***Overview:***

This course dives into supervised and unsupervised learning algorithms, model evaluation techniques, and real-world applications of machine learning. Python and its libraries like Scikit-learn will be used throughout.

**What You Will Learn:**

- Linear and logistic regression
- Decision trees and ensemble methods
- Clustering algorithms and dimensionality reduction
- Model evaluation and optimization techniques
- Introduction to deep learning concepts

**Who Should Enroll:**

Learners with basic Python knowledge who are looking to expand into AI and predictive modeling.

**Next Batch:** Starts from 1st of June

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**3. Python for Data Science****Overview:**

This beginner-friendly course introduces Python from the ground up, focusing on its application in data science. Learners will gain proficiency in using Python for data manipulation, visualization, and simple analysis tasks.

**What You Will Learn:**

- Python fundamentals: data types, loops, and functions
- Data manipulation with Pandas
- Numerical computations using NumPy
- Data visualization with Matplotlib and Seaborn
- Writing clean, efficient, and readable code

**Who Should Enroll:**

Beginners in programming or professionals transitioning into data science roles.

**Next Batch:** Starts from 1st of June

Contact us for more information.

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**4. Business Intelligence Tools****Overview:**

Learn to extract insights from raw data using industry-standard tools like Tableau and Power BI. This course emphasizes building dashboards, data models, and visual stories that support business decision-making.

**What You Will Learn:**

- Connecting and transforming data sources
- Building interactive dashboards in Power BI and Tableau
- Using DAX and calculated fields
- Applying BI to real-world business use cases
- Visual best practices and storytelling with data

**Who Should Enroll:**

Professionals in business, marketing, sales, or operations who want to leverage data for smarter decision-making.

**Next Batch:** Starts from 1st of June  
Contact us for more information.

## **5. AI & Big Data Technologies**

**Overview:**

This advanced-level course explores the intersection of artificial intelligence and big data systems. Learn about AI concepts along with the tools and platforms that support large-scale data processing.

**What You Will Learn:**

- Fundamentals of AI and its real-world applications
- Introduction to Natural Language Processing and Computer Vision
- Working with Hadoop, Spark, and cloud data ecosystems
- Building scalable machine learning pipelines
- Ethics and governance in AI and big data projects

**Who Should Enroll:**

Experienced data professionals, software engineers, and tech enthusiasts seeking advanced knowledge in AI and big data infrastructure.

**Next Batch:** Starts from 1st of June  
Contact us for more information.

## **Who Can Enroll?**

Our courses are designed to accommodate a wide range of learners:

- University students looking to build a strong foundation in data science and AI.
- Working professionals seeking upskilling or transitioning into analytical roles.
- Career changers eager to enter the fast-growing tech and data sectors.

## **Learning Experience at Datalysis**

At Datalysis, we prioritize an engaging and practical learning journey:

- ***Real-World Projects:*** Solve challenges using industry datasets across domains like finance, healthcare, retail, and technology.
- ***Expert Mentorship:*** Learn from experienced instructors with deep domain expertise.
- ***Flexible Learning Modes:*** Choose from classroom-based, live online, or hybrid formats.
- ***Career Support:*** Benefit from resume building, mock interviews, and job placement assistance.