

Data Analytics

we are dedicated to providing cutting-edge data analytics education that empowers our students to unlock the full potential of data. Through a commitment to excellence in teaching, hands-on learning, and innovative methodologies, we equip our students with the skills and knowledge to excel in the dynamic field of data analytics. Our goal is to inspire and support our learners in achieving their professional aspirations and becoming leaders in data-driven decision-making.

Why Enroll in Our Data Analytics Course?

Comprehensive curriculum covering key concepts and tools

Hands-on projects and real-world case studies

Experienced instructors with industry expertise

Flexible learning options: online and in-person classes

Certification upon course completion

Course overview

Course Name: Data Analytics

Duration: 4 month

Mode: Offline

Introduction to Data Analytics

Data analytics is the science of analyzing raw data to make conclusions about that information. It involves inspecting, cleaning, transforming, and modeling data with the goal of discovering useful information, suggesting conclusions, and supporting decision-making.

Understanding data analytics involves grasping the types and quality of data you are working with. High-quality data is essential for accurate analysis, which in turn supports effective decision-making. As you delve deeper into data analytics, these foundational concepts will help guide your approach to collecting, analyzing, and interpreting data.

Data Collection and Preparation

Effective data analytics starts with robust data collection and preparation processes. These steps ensure that the data used for analysis is accurate, complete, and relevant.

Data collection and preparation are crucial steps in the data analytics process. By using effective data gathering techniques and performing thorough data cleaning and preprocessing, you can ensure that your data is reliable and ready for analysis. These foundational practices help produce more accurate and meaningful insights from your data analytics efforts.

Exploratory Data Analysis

Exploratory Data Analysis (EDA) is a critical step in the data analytics process. It involves summarizing the main characteristics of a dataset, often using visual methods, to gain insights and understand the data before applying more complex analysis techniques.

Data Visualization Tools

Data visualization tools help in transforming raw data into meaningful visual representations that facilitate better understanding, analysis, and decision-making. Two of the most popular data visualization tools are Tableau and Power BI.

Statistical Analysis

Statistical analysis is a critical component of data analytics. It involves systematically collecting and examining data samples to uncover meaningful insights and patterns. By applying statistical methods, data analysts can make informed inferences, predictions, and decisions based on the evidence in the data.

Predictive Analytics

Predictive analytics involves using statistical techniques and machine learning algorithms to forecast future outcomes based on historical data. This process helps in identifying patterns and trends that can inform decision-making and strategic planning.

Syllabus

1. Introduction to Data Analytics

- Understanding Data Analytics
- Data types and data quality

2. Data Collection and Preparation

- Data gathering techniques
- Data cleaning and preprocessing

3. Exploratory Data Analysis (EDA)

- Descriptive statistics
- Data visualization techniques

4. Data Visualization Tools

- Introduction to Tableau and Power BI
- Creating interactive dashboards

5. Statistical Analysis

- Hypothesis testing
- Regression analysis

6. Predictive Analytics

- Machine learning basics
- Building predictive models

7. Big Data Analytics

- Introduction to Hadoop and Spark
- Working with big data tools

8. Final Project

- Real-world data analysis project
- Presentation and evaluation

Who Should Attend?

Aspiring data analysts

Business professionals seeking data skills

IT professionals transitioning to data analytics

Students and recent graduates in related field

Course Benefits

Gain practical data analytics skills

Learn from industry experts

Work on real-world data projects

Enhance your resume with a recognized certification

Join a community of data professionals

Contact Information

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