MAWA EVENTS

Address: No. 857, Block A2. Leisure Commerce Square - No 9., 46150 Petaling Jaya, Selangor, Malaysia

Phone: +601116373203 | **Email:** info@mawaevents.net

CERTIFICATE IN DATA SCIENCE

"Transform Data into Actionable Insights for Smarter Decision-Making."

Schedule

Venue (InHouse)	Fees
At Your Organization Premises	Ask For The Quotation

Introduction

In today's competitive world, data is the foundation of innovation and intelligent decision-making. Data Science combines statistical analysis, machine learning, and data visualization to uncover hidden insights that drive growth and efficiency.

The Certificate in Data Science course equips participants with the knowledge and practical skills needed to analyze data, build predictive models, and derive meaningful conclusions. Through hands-on exercises and real-world case studies, participants learn how to handle data confidently using modern tools and techniques.

Objectives

By the end of this course, participants will be able to:

- Understand the fundamental concepts of data science and its applications.
- Use Python, R, and SQL for data manipulation and analysis.
- Apply statistical and machine learning techniques to solve real problems.
- Perform data visualization using tools such as Power BI, Tableau, or Python libraries.
- Interpret data models and communicate insights effectively.
- Implement end-to-end data science workflows from data collection to reporting.
- Understand ethical and governance aspects of data usage.

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Why Attend

This course is ideal for professionals who want to advance their careers in the fast-growing field of data science. It provides a blend of theory and practice, empowering participants to analyze large datasets, develop data models, and use analytics to support strategic decision-making in any industry.

Target Audience

This course is suitable for:

- Data Analysts and Data Engineers
- Business Analysts and Decision Support Professionals
- IT and Software Developers
- Project Managers and Operations Professionals
- Graduates seeking a career in data science
- Anyone interested in understanding data analytics and its business applications

Individual Benefits

- Gain hands-on experience in modern data science tools and techniques.
- Build strong analytical, statistical, and problem-solving skills.
- Learn to interpret complex data and present it effectively.
- Enhance employability in data-driven industries.
- Stay up to date with the latest trends in AI and data analytics.

Organizational Benefits

- Build in-house expertise in data-driven decision-making.
- Improve operational efficiency using analytical insights.
- Identify patterns and trends that support business growth.
- Strengthen predictive capabilities through data modeling.
- Enhance competitiveness with evidence-based strategies.

Instructional Methodology

The training includes a mix of theoretical sessions and practical applications through:

- Interactive lectures and guided demonstrations
- Real-world data analysis and modeling exercises
- Case studies and problem-solving projects
- Group discussions and collaborative learning
- Instructor-led coding and visualization sessions
- Continuous feedback and practical assessments

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Course Outline

Module 1: Introduction to Data Science and Analytics

Module 2: Data Collection, Cleaning, and Preprocessing

Module 3: Exploratory Data Analysis and Visualization

Module 4: Statistical Methods and Hypothesis Testing

Module 5: Machine Learning Fundamentals and Algorithms

Module 6: Predictive Modeling and Evaluation

Module 7: Working with Python, R, and SQL

Module 8: Big Data and Cloud-Based Analytics Tools

Module 9: Data Governance, Privacy, and Ethics

Module 10: Capstone Project – Real-World Data Science Application

Certification

Upon successful completion, participants will receive a Certificate in Data Science, recognizing their ability to analyze, interpret, and apply data-driven insights to real-world business challenges.

Why Choose MAWA Events

- **Global Expertise:** More than 17 years of experience in professional training and consulting.
- **Industry-Leading Faculty:** Courses delivered by seasoned professionals with hands-on experience.
- **Practical Insights:** Learn to turn theory into actionable strategies for real-world business impact.
- **Client-Focused Solutions:** Customized programs designed to achieve your organisation’s unique goals.

In-House / Customized Training Interested in running this course for your team? Please contact us:	TEL: **+601116373203**	EMAIL: **info@mawaevents.net**

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