



London TDM

# Information Technology and Digital Transformation Training Courses

**Course Venue:** Malaysia - Kuala Lumpur

**Course Date:** From 19 July 2026 To 23 July 2026

**Course Place:** Royale Chulan Hotel

**Course Fees:** 6,000 USD

## Introduction

Data analytics is an essential skill for IT managers seeking to enhance decision-making, optimize operations, and drive strategic initiatives. This 5-day professional course, "Data Analytics for IT Managers," is designed to empower you with the practical knowledge and tools necessary for implementing data-driven strategies in your IT department.

## Objectives

- Understand the role of data analytics in IT management.
- Learn how to interpret and derive insights from data.
- Explore tools and techniques for data analysis.
- Develop skills to lead data-driven projects.
- Apply analytics to solve real-world IT management challenges.

## Course Outlines

### Day 1: Introduction to Data Analytics

- Overview of data analytics and its significance for IT managers.
- Understanding data types and sources.
- Fundamentals of data collection and management.
- Introduction to data visualization techniques.
- Case studies on data analytics in IT.

### Day 2: Data Analysis Tools and Technologies

- Introduction to key data analytics tools and software.
- Hands-on session with Excel for data analysis.
- Exploring advanced tools: Python, R, and SQL.
- Utilizing cloud-based analytics platforms.
- Selecting the right tool for your organization's needs.

### Day 3: Data Interpretation and Visualization

- Understanding data interpretation techniques.
- Creating impactful visualizations with data storytelling.
- Advanced charting and graphing techniques.
- Interactive data dashboards using software like Tableau.
- Evaluating the effectiveness of data presentations.

### Day 4: Data-Driven Decision Making

- Leveraging data for strategic IT decision-making.
- Setting KPIs and metrics for performance evaluation.
- Predictive analytics and its applications in IT.
- Case studies on successful data-driven IT strategies.
- Building a data-driven culture within the IT team.

## **Day 5: Implementing Data Analytics in IT Management**

- Project management and planning for analytics initiatives.
- Developing a data governance framework.
- Overcoming common challenges in data analytics adoption.
- Evaluating and scaling analytics solutions.
- Future trends and innovations in data analytics for IT.