

Data Analytics Business Case Solution Course

A practical, project-based course to solve real-world business problems using Excel 365, Power Query M, Python, SQL, DAX and Power BI.

Course Introduction

Data Analytics Business Case Solution Course is a practical, project-based course designed to help you solve real-world business problems using multiple data analytics tools. In this course, you will work on approximately 30 real business cases and learn how the same business problem can be solved using different tools and approaches. You will work with Excel 365 Dynamic Arrays, Power Query M, Python in Excel, Python with Jupyter Notebook, SQL, and DAX.

The goal is not simply to learn tools — it is to develop the ability to think analytically, understand business problems, choose the right approach, and solve problems using data.

Course Description

Instead of learning each tool separately, you will solve approximately 30 real business cases throughout the course. For selected problems, we will explore how the same business question can be approached using different tools. For example, a business problem may be solved using:

- Excel 365 Dynamic Array formulas
- Power Query M
- Python in Excel
- Python in Jupyter Notebook
- SQL
- DAX

This approach will help you understand not only “how to write the formula or code,” but also why a particular approach is useful and when to use it.

THE CORE OBJECTIVE

Learn less about isolated tools and more about how to use those tools to solve real business problems.

Requirements

- Basic knowledge of MS Excel
- Basic understanding of data analysis concepts
- Familiarity with Excel formulas is recommended
- Willingness to practice real-world business problems
- A laptop or desktop computer
- Excel 365
- Power BI Desktop
- PostgreSQL
- Python with Jupyter Notebook (via Anaconda)

Tools You Will Use

Excel 365
Dynamic Arrays

Power Query M

Python
in ExcelPython
(Jupyter)SQL
(PostgreSQL)DAX /
Power BI

Course Highlights

Format	8 live classes — Friday & Saturday, 9:00 PM start
Coverage	~4 business cases per class — around 30 real business cases in total
Course Fee	BDT 1,500
Expected Start	25 September 2026
Batch Requirement	Minimum 30 students required to start the course

You Will Receive

✓ Hand Notes	✓ Class Notes
✓ Class Recordings	✓ Practice Materials
✓ Lifetime Support	✓ Certificate after successfully passing the assessment

What You Will Learn

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

- Understand and break down real-world business problems
- Convert business requirements into analytical solutions
- Solve the same business problem using different tools
- Compare different approaches and understand their advantages
- Select the appropriate tool for different business scenarios
- Improve your analytical thinking and problem-solving skills
- Build practical experience through approximately 30 real business cases
- Develop a more business-oriented approach to Data Analytics

Md. Shah Alam, Microsoft Certified Trainer

Corporate Data Analytics Consultant & Trainer | Data Analyst | Advance MS Excel and Dynamic Arrays | Power BI | Power Query (M) | DAX | PostgreSQL | Python | Microsoft Certified (MO-201, PL-300)