







Program Curriculum



Lesson 1

Introduction to Power BI & its components

- What is Power BI?
- · Overview of Power BI Architecture
- Components of Power BI: Desktop, Service
- Installing and Setting Up Power BI Desktop
- Understanding the Power BI Interface



Lesson 2

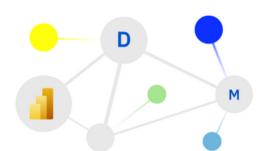
Data Preparation and Connectivity

- Connecting to Data Sources Excel, SQL Server, CSV, Web, APIs, etc.
- · Understanding Data Types and Formats
- Introduction to Power Query: Data Cleaning and Shaping
- Merging and Appending Queries
- · Removing Duplicates and Handling Missing Data

Lesson 3

Data Modeling

- Introduction to Data Models
- · Creating Relationships between Tables
- · Understanding Star and Snowflake Schemas
- Creating Measures and Calculated Columns
- Using DAX (Data Analysis Expressions):
- Aggregations, Time Intelligence, and Conditional Logic



Lesson 4

Data Visualization

- Designing Dashboards and Reports
- Bar Charts, Line Charts, Tables, Cards, Maps, and Gauges
- · Using Slicers and Filters for Interactivity
- Formatting Visuals: Colors, Labels, and Themes
- Drill-Down and Drill-Through Features
- Best Practices for Data Visualization



Program Curriculum



Lesson 5

Advanced DAX

- Advanced Calculations using DAX
- · Context in DAX: Row and Filter Context
- Advanced Time Intelligence Functions
- · Creating KPIs and Dynamic Visuals

Lesson 6

Power BI Service

- Publishing Reports to Power BI Service
- Understanding Workspaces and Apps
- Sharing Dashboards and Reports
- Setting Up Row-Level Security (RLS)
- Scheduling Data Refreshes

Lesson 7

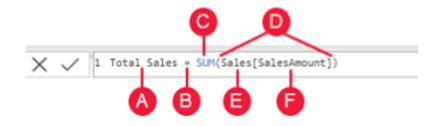
Advanced Features

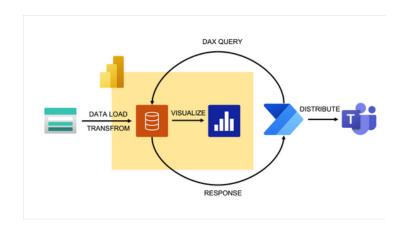
- Real-Time Data Streaming in Dashboards
- · Using AI Visuals (Key Influencers, Tree)
- Integration with Python and R Scripts
- Paginated Reports
- Exporting Data and Reports

Lesson 8

Use Cases and Projects

- Case Studies in Finance, Marketing, Operations, and Healthcare
- End-to-End Project:
- Data Extraction, Transformation, and Visualization
- Creating an Interactive Dashboard
- Hands-on Practice with Real-World Datasets









CERTIFICATE OF ACHIEVEMENT



CERTIFICATE

OF ACHIEVEMENT

PROUDLY PRESENTED TO

Mame Surname

HAS SUCCESSFULLY COMPLETED THE ONLINE COURSE

Power BI MASTERY

He/She has excelled at **Power BI Skills** by successfully completing all the assignments & modules associated with the program.

DATE:















OUR TESTIMONIALS



Pooja Patel 1 review

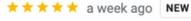


★ ★ ★ ★ ★ 5 days ago NEW

Under Tarun's guidance, I had learn SQL, and his explanations are exceptionally clear. If you're keen on mastering SQL concepts, I highly recommend considering DataMantra.



Shubham Parashar 59 reviews · 22 photos



I have taken online training on SQL from Data Mantra. Course content is very relevant and practicals focused. Trainer is well versed in industry requirements thus training imparted is good to start working on industry projects.



arpit sharma 3 reviews

★ ★ ★ ★ ★ a week ago NEW

Participating in Data Mantra Course was truly enriching. The curriculum was meticulously designed. encompassing crucial concepts and techniques essential for excelling in SQL and Tableau, Alteryx, python, power bi. Mr. Tarun, the instructor, demonstrated exceptional expertise and offered outstanding support throughout the course.



Vishal Kumar

2 reviews · 13 photos

★ ★ ★ ★ ★ a week ago NEW

Learning SQL from datamantra is such a great experience.



Neelesh Gupta 9 reviews

★ ★ ★ ★ ★ 4 days ago NEW

Tarun hands on experience in machine learning is biggest advantage for students learning from him, he explain the concepts in depth and make sure to resolve each and every doubt of his students, I will refer him to increase your ML understanding



Naman Singh

4 reviews

★ ★ ★ ★ ★ a week ago NEW

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It was an incredibly enriching experience with Data mantra. The curriculum was well-structured and comprehensive, covering all the essential concepts and techniques needed to excel in both SQL and Tableau. The instructor Mr. Tarun were highly knowledgeable and provided excellent support throughout the course.



Vineet Raina · 1st

Business Analyst at CandorWorks | Certified Business Analys... 1yr · ⑤

It gives me immense pleasure to share that I have graduated from the Master's Program in Business Analysis from Simplilearn by completing all the mandatory courses which were part of the curriculum.

I thank Simplilearn and my course instructors Vaibhav Pandey, Tarun Sachdeva & Vaibhav Rajvanshi for conducting the training.



:

Aditi Nath

1 review

★★★★★ a week ago NEW

I had a great experience studying SQL at Data Mantra, especially with the teaching style of Tarun sir. The curriculum is exceptionally easy to grasp, and unique teaching method makes it even simpler to comprehend concepts ranging from basic to advanced levels. He use of real-life examples enhances understanding and real life application. Highly recommended for anyone looking to master SQL effectively 2.



Kumar Saurav · 1st

Data Analyst 8mo · 🕓

I'm bursting with excitement to share that I've just completed the Complete SQL Mastery offered by Jobaaj Learnings.

This course was packed with valuable information. Thankyou Jobaaj Learnings and Tarun Sachdeva for providing this wonderful course.



Vaibhav Srivastava • 1st

Aspiring Data Analyst | Advanced Excel, Python, SQL, Googl...

Dear Friends very happy on sharing this Gold Badges in Hacker Rank SQL

Very very thanks to Rakshit Vig Sir and Tarun Sachdeva Sir for making such kind of value for me



MEET YOUR TUTOR



Tarun Sachdeva
AI & Data Science Consultant

I am based out of **Belgium**, working as Freelancer across the world as I completed my post graduation **MSc in Data Science and AI from Top College of Europe** - **EDHEC Business School, France**, and I love to make new relationships across the world. In the meantime, I love to write about my travel experiences and blogs on Medium.

With nearly **10** years of diverse professional experience spanning the Finance, Manufacturing, Retail and Telecom sectors, I have honed my skills and expertise in various aspects of data analysis.

Being Tableau/ Power BI my first love, I am an expert in extracting and transforming data efficiently through SQL and utilising ETL tools like Alteryx. Furthermore, I have great knowledge of Machine learning & Deep Learning algorithms too.

My recent role was **Senior Financial Data Analyst in Credit & Risk Controllership at American Express.** I am a Freelancer now and love to teach the students.



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OUR STUDENTS ARE PLACED IN























OUR GLOBAL PARTNERS





























OUR VISION

Help & Guide students globally with innovative, personalized education for empowered learning and especially in changing the Domain.

OUR MISSION

Empowering individuals worldwide, our mission is to provide accessible and topquality education, fostering skills that drive career success and personal growth.

OUR STORY

Our story is one of dedication to shaping futures, breaking barriers, and creating a dynamic and easy learning environment for every student and Corporate professionals



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<u>Medium</u>

