



Power BI Curriculum

Day 01 Introduction to Power BI.

- Overview of Power BI and its components
- Understanding the Power BI ecosystem
- Exploring the Power BI user interface

Day 02 Data Modeling Concepts.

- Creating relationships among tables (Star & snowflake schemas)
- Disabling relationships in Options & settings

Day 03 Data Visualization skill areas.

- Buttons, Bookmarks and Page Navigation, Hierarchies
- Conditional Formatting, Date Slicers and filled maps.

Day 04 Data Visualization concepts + DAX.

- SUM vs SUMX, Calendar Auto, CALCULATE, IF statements, Quick Measures
- Microsoft Co-pilot

Day 05 Query Editor Data Cleanup (Transformation).

- Data Quality, Profiling, Distribution, sorting, filtering, removing duplicates, merging...

Day 06 SQL Basics - Direct Query Report.

- Using **select statements** to query DB (SELECT * FROM TABLE, SELECT count(*) from TABLE...).
- Creating reports using SQL Queries in Direct Query mode.
- Interpreting SQL Statements.

Day 07 Power BI Service.

- Publishing and sharing reports and dashboards.
- Collaborating with others through workspaces.

Day 08 Data Refresh.

- Configuring data refresh schedules
- Using Standard gateways

Day 09 Performance Management & Documentation.

- Using performance analyzer to detect visuals performance.
- Importance of following best practices' importance in managing performance.
- Learning how to create various documents for your team and stakeholders.

Day 10 Security Management.

- Security Management in workspaces, datasets...
- Row Level Security.

Day 11 Options & Settings.

- Looking at configuration settings that affect Power BI
- Explanations of Global vs Current File
- Exploring Diagnostics of Power BI in case of issues.

Day 12 Real-world Projects and Case Studies.

- Applying Power BI concepts and techniques to real-world scenarios.
- Working on hands-on projects to gain practical experience.

- Analyzing and presenting insights from different datasets.

Day 13-16 Answer Questions, repeat some lectures.

- Using this time to help those who need more time on topics covered.
- Resume Preps, LinkedIn accounts...
- Discussing Certification preps & processes.
- Discussing how to talk to recruiters and interviewers.
- Networking within the Business Intelligence Ecosystem.