

Sections

Intro

[Power BI Tutorial for Beginners](#)

Different Types Of Connections

-Import, Direct Query, & Live Connection

[Power BI Get Data: Import vs. DirectQuery vs. Live](#)

-More On Import Or Direct Query

<https://data-mozart.com/to-direct-query-or-not/>

<https://data-mozart.com/direct-query-in-power-bi-what-when-why/>

-Streaming (Not As Common)

<https://radacad.com/power-bi-real-time-streaming-dataset/>

Loading Common Data-sources

-Excel

[How to get data from SharePoint excel file in Power BI? | Power BI | BI Consulting Pro](#)

-SharePoint List

[Power BI Integrations - Use SharePoint Lists as a Data source](#)

(V2 load is more efficient)

-SQL

[How to connect SQL Server in Power BI](#)

-Dataverse

[Connect Dataverse to Power BI Tutorial](#)

-Files In A SharePoint Folder

[Connect Excel / CSV files from SharePoint to Excel or Power BI](#)

-Files In A OneDrive Folder

[Power BI Get Data from Multiple Files in a Folder on OneDrive for Business, No Gateway Needed](#)

-Dataflows

Power BI dataflows: Where does it fit in? (Matthew Roche schools Patrick)

-Manually Enter

<https://powerbi.tips/2016/04/13/manually-enter-data/>

Data Model, Relationships, Schemas

-Table Normalization

<https://www.freecodecamp.org/news/database-normalization-1nf-2nf-3nf-table-examples/>

-Primary & Foreign Keys

[Primary Key vs. Foreign Key: Essential Database Keys for Data Integrity](#)

-Types of Relationships

[Relationships in SQL - One-to-One, One-to-Many, Many-to-Many - GeeksforGeeks](#)

-Power BI Relationships

Relationships in Power BI | Episode 04 | One-to-Many, Many-to-Many, Cross Filtering

—Many To Many In Power BI

Looking at Power BI Many to Many

-Types of Schemas

<https://www.geeksforgeeks.org/data-engineering/what-are-the-design-schemas-of-data-modelling/>

(Star-schemas are preferred in Power BI)

-More Data Model Tips

[Don't Make These DATA MODELING MISTAKES | Data Modeling Best Practices in Power BI | Goodly](#)

+Do not make relationships bi-directional, use CROSSFILTER

[DO NOT Build Another Power BI Model Before Watching THIS!](#)

Date Tables

<https://www.datacamp.com/tutorial/how-to-create-date-tables-in-power-bi-tutorial>

Common Transformations

(The most common transformations are usually available in the Transform tab UI and/or when you right-click on a column)

-Power Query PBI Intro

<https://radacad.com/get-started-with-power-query-movies-data-mash-up/>

-Data Types

<https://learn.microsoft.com/en-us/power-bi/connect-data/desktop-data-types>

-Remove Blank Rows / Empty Values

<https://radacad.com/row-filtering-in-power-bi-and-power-query-remove-blank-rows-vs-remove-empty/>

-Merge & Append

[How to COMBINE DATA with MERGE and APPEND in Power BI](#)

-Split

<https://radacad.com/split-column-by-delimiter-in-power-bi-and-power-query/>

Add Columns

[11 Data Transformation - Adding Columns in Power BI Query Editor](#)

Common DAX

-Dax Functions Overview

<https://radacad.com/basics-of-dax-expression-in-power-bi/>

[The Most Important DAX Functions You Must Know in Power BI](#)

<https://learn.microsoft.com/en-us/dax/dax-function-reference>

(All DAX Functions)

[7 Simple Concepts of Writing Powerful DAX 🔥](#)

-Filter

<https://radacad.com/filter-function-in-dax-and-power-bi-apply-custom-filter-to-calculations/>

[Master Filter Context in Power BI – From Basics to Expert](#)

(Filter Context)

<https://www.sqlbi.com/articles/filter-context-in-dax-explained-visually/>

(Filter Context)

-Iterator Functions

<https://www.sqlbi.com/articles/row-context-in-dax-explained-visually/>

(Row Context)

--Sum & SumX

<https://radacad.com/sum-vs-sumx-what-is-the-difference-of-the-two-dax-functions-in-power-bi/>

[SUM vs SUMX What is the Difference of the two DAX Functions in Power BI](#)

-Related

<https://www.sqlbi.com/articles/using-related-and-relatedtable-in-dax/>

<https://radacad.com/get-a-field-value-from-a-related-table-in-power-bi-dax-related-function-explained/>

-Use Multiple Relationships

<https://powerbi.tips/2017/07/05/use-multiple-connections-between-tables/>

-All & AllSelected

<https://radacad.com/power-bi-dax-all-vs-allselected/>

[Why is your ALL FUNCTION not working? ALL FUNCTION, ALLSELECTED, ALLEXCEPT in Power BI!](#)

-Variables

<https://radacad.com/dax-variables-better-readability-consistency-and-performance-in-power-bi-calculations/>

-Calculate

[DAX CALCULATE Explained with 5 Real Examples](#)

-Running Totals

<https://www.sqlbi.com/articles/computing-running-totals-in-dax/>

-Percent Change

<https://powerbi.tips/2016/07/14/measures-month-to-month-percent-change/>

<https://powerbi.tips/2016/12/05/measures-year-over-year-percent-change/>

-Reference Previous Row

[How to Refer to the Previous Row in Power BI – 5 Easy Methods](#)

-Parent Child Hierarchies

<https://data-mozart.com/finding-the-right-path-understanding-parent-child-hierarchies-in-power-bi/>

-Dynamic Ranking

<https://data-mozart.com/static-vs-dynamic-ranking-in-power-bi/>

-More Examples

<https://radacad.com/calculating-stock-on-hand-using-dax-power-bi-inventory-model/>

(Stock on hand)

[Compare Two Tables Using DAX | Power BI Case Study](#)

(Finding month over month changes in a column or status)

-DAX vs. M

<https://radacad.com/m-or-dax-that-is-the-question/>

[Write Your First CUSTOM M FUNCTION in Power BI](#)

Use LLMs/ChatGPT/Copilot To Help With Power BI

https://youtu.be/kCHvh_xLdD0?si=pwrE3w5Nrj5MOUgB

Common Visualization Tools

-Filters

[Filters in Power BI | Visual, Page & Report Level + Slicer vs Filter 💡 Episode 06](#)

<https://radacad.com/scope-of-filter-in-power-bi-report/>

(Filter Scopes)

-Dynamic Filters & Buttons

<https://powerbi.tips/2019/08/08/dynamic-visuals-using-buttons/>

-Measures

<https://radacad.com/measure-vs-calculated-column-the-mysterious-question-not/>

(Measures vs. Calculated Columns)

-Replace Blanks

[THREE WAYS to deal with BLANKS in POWER BI Reports // How to fix Blanks with or without DAX](#)

-Hierarchy

[What a Power BI Hierarchy Is, and How to Use it? - RADACAD](#)

-Drilldown & Drill-through

<https://radacad.com/drill-down-and-up-in-power-bi-explained/>

-Conditional Formatting

[How to use Conditional Formatting in Power BI | Microsoft Power BI for Beginners](#)

<https://learn.microsoft.com/en-us/power-bi/create-reports/desktop-conditional-table-formatting>

Common Visualizations

-Bar Graphs

[How to Build Bar & Column Charts in Power BI](#)

-Line Graphs

<https://learn.microsoft.com/en-us/power-bi/visuals/power-bi-line-chart?tabs=powerbi-desktop>

-Tables/Matrixes

[Lesson 25: Table vs Matrix in Power BI | Visualization Made Easy](#)

-Slicers

[Power BI Slicers - A Step-by-Step Tutorial for All Types to Improve Data Analysis](#)

<https://learn.microsoft.com/en-us/power-bi/visuals/power-bi-visualization-slicers?tabs=powerbi-desktop>

-Power Apps To Edit Data

[Can't INPUT DATA in Power BI? Here is a WRITE BACK Option with Power Apps!](#)

-Other Visuals Tips

[11 Power BI Visualization Tricks You Need to Know!](#)

Row Level Security (RLS)

<https://radacad.com/row-level-security-configuration-in-power-bi-desktop/>

(Note one can also set RLS by current user email address: [Dynamic Row Level Security in Power BI](#))

Sharing Reports

BEGINNERS GUIDE to SHARING REPORTS in Power BI // Generate Links, Manage Access and Permissions

-Publish To Web

[PowerBI.Tips - Tutorials - When to use Publish to Web](#)

<https://learn.microsoft.com/en-us/power-bi/collaborate-share/service-publish-to-web>

Automatic Refreshes

-Scheduled Refresh

[How to Configure Schedule Refresh in Power BI](#)

<https://learn.microsoft.com/en-us/power-bi/connect-data/refresh-scheduled-refresh>

-Show Last Refresh Date/Time

[How do you get a REFRESH DATE in your Power BI report???](#)

Incremental Refreshes

<https://data-mozart.com/mastering-dp-500-dp-600-exam-implementing-incremental-refresh/>

Optimizations

<https://youtu.be/91D1WrNrHtY?si=AcpozwnfDiLLv6w->

10 Steps to Optimize Your Data Model in Power BI

<https://youtu.be/OAoWet1NmeM?si=WKF59IntgOfVgrvH>

<https://data-mozart.com/how-to-reduce-your-power-bi-model-size-by-90/>

Common Troubleshooting

[DAX Debugging Tricks \(Basic to Advanced \) | Power BI Tutorial](#)

[5 Worst DAX Mistakes You're Probably Making](#)

-Circular References

<https://www.sqlbi.com/articles/avoiding-circular-dependency-errors-in-dax/>

-Bulk Replace Visual Field

<https://data-goblins.com/power-bi/something-is-wrong-with-one-or-more-fields>

Other Tips

How to Create Outstanding Power BI Reports (A Must Watch!)

Easy Aesthetic Improvements

5 DESIGN TRICKS that Make EVERY Power BI Report Look GREAT!

Licensing

[Power BI Licensing Ultimate Guide - RADACAD](#)

*Need at least Pro or Premium Per User (PPU) to share reports

More Content - YouTube Videos & Blogs

<https://radacad.com/>

<https://goodly.co.in/blog/>

<https://www.youtube.com/@HowtoPowerBI>

<https://www.sqlbi.com/blog/>

<https://data-mozart.com/category/powerbi/>

<https://www.youtube.com/@GuyInACube/featured>