

TRANSFORM DATA (POWER QUERY)

Choose the right data connector. e.g., Azure SQL database, Google Analytics, MySQL database, Text/CSV, etc.
Check if the query is used – if not used then disable query load. Decide whether to load the query immediately upon completion or manually control when to load it into your workbook.
Parallel execution Query load. Execute multiple queries simultaneously, and improve data loading and transformation efficiency. Options > Current File > Data Load > By Default it is disabled if required enable the setting.
Create a parameter to dynamically select or modify the data source connection, especially useful when dealing with various servers / various environments (DEV\UAT\PROD).
Filter the data early to focus better on your task at hand by only showing data that are relevant in the data preview section.
If using multiple data sources, Perform a power query to merge or append data to optimize performance and streamline data modeling. Also, reduce the size of the data load and model.
Check the steps of the Power query and optimize it for query folding at the data source.
If Power Query is taking time – check the possibility of adding a buffer.
Perform column renames best suitable for business. SalesAmt → Amount
Make sure that data, table, and column names are kept simple and understandable. For the Employee table use this column names Employee_ID, First_Name, Last_name, Department, Salary, etc.
If any column is not required remove it or ignore it to reduce clutter and focus on relevant data.
Set appropriate data types for each column to ensure accurate data interpretation and effective application of transformations that lead to optimized storage and modeling in Power BI.
Check the column quality using data profiling tools. Assess data quality using built-in tools in Power Query to identify issues such as missing values, Error, Valid, Empty, and Unknown.





	column then replace the value with an average.
	Limit data using dynamic Parameters or date parameter filters. e.g., a date parameter filter set up in power bi that allows users to select a specific Date, Year, or Week to dynamically filter the data in your report.
	Avoid repetition of codes and use reusable code in the function.
	Use the MissingField.Ignore function. You can also explicitly tell Power Query to ignore any missing columns.
	Document your queries by renaming or adding a description to your steps.
П	To keep your work organized, leverage the use of groups in the gueries page