Data source settings

DATA CONNECTIONS IN POWER BI

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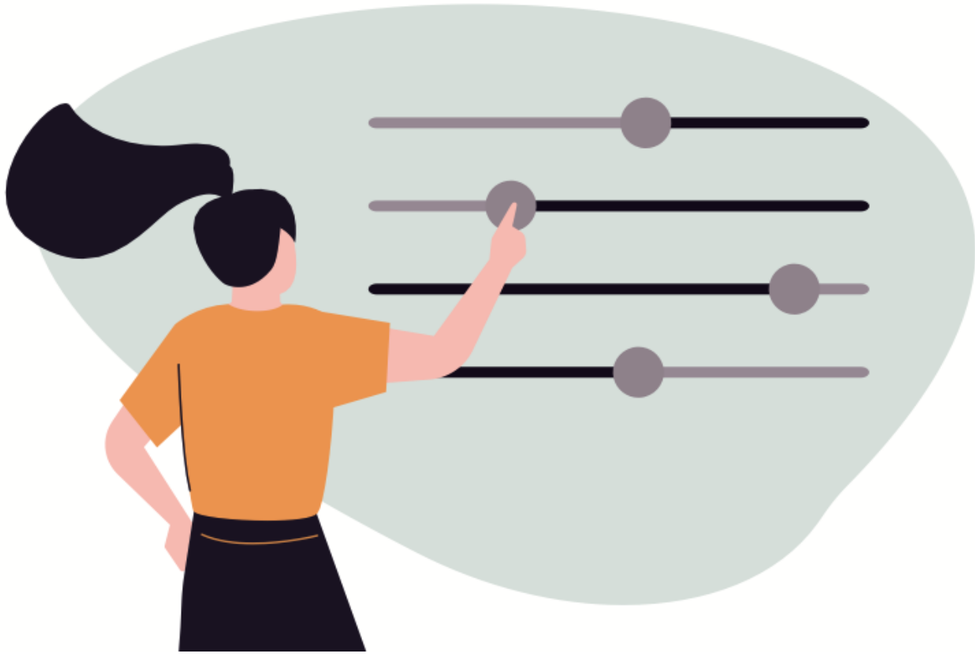
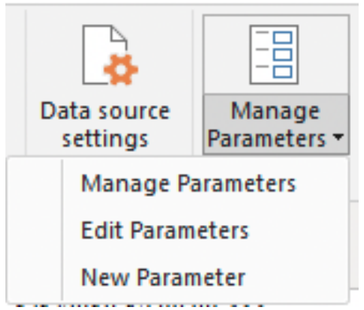
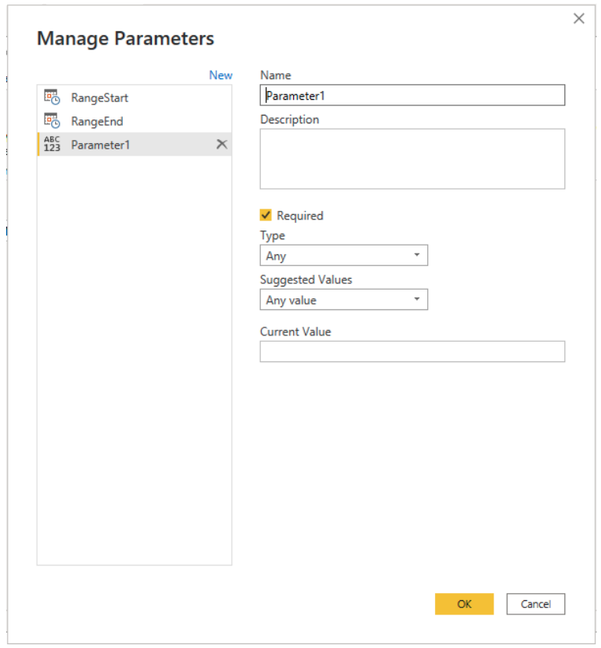
Parameters

- Provide users the ability to store and manage values
- Useful for creating dynamic report environments
- Common uses include:
  - Filtering purposes
  - Inputs in custom functions
  - Changing data source functions
- Created and managed in Power Query Editor



Parameters

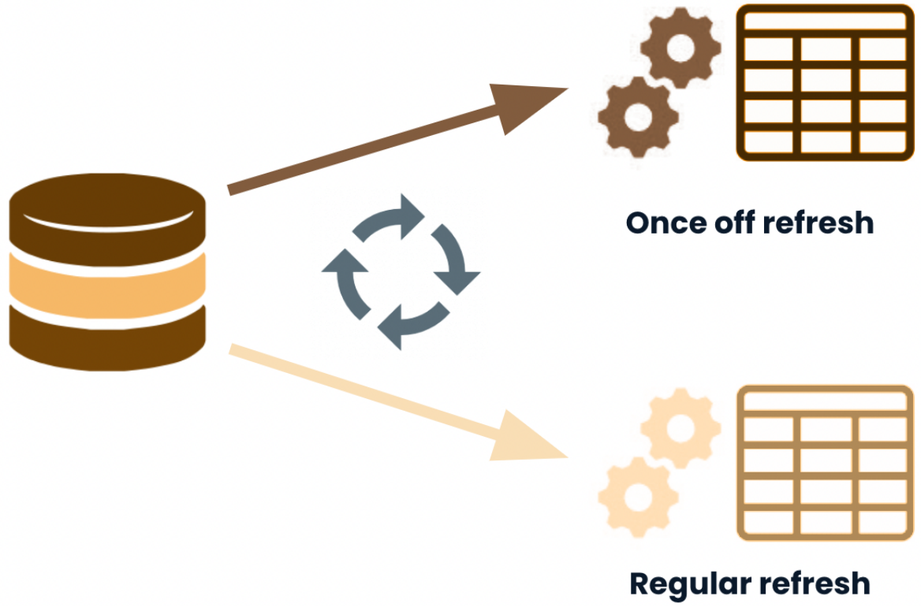




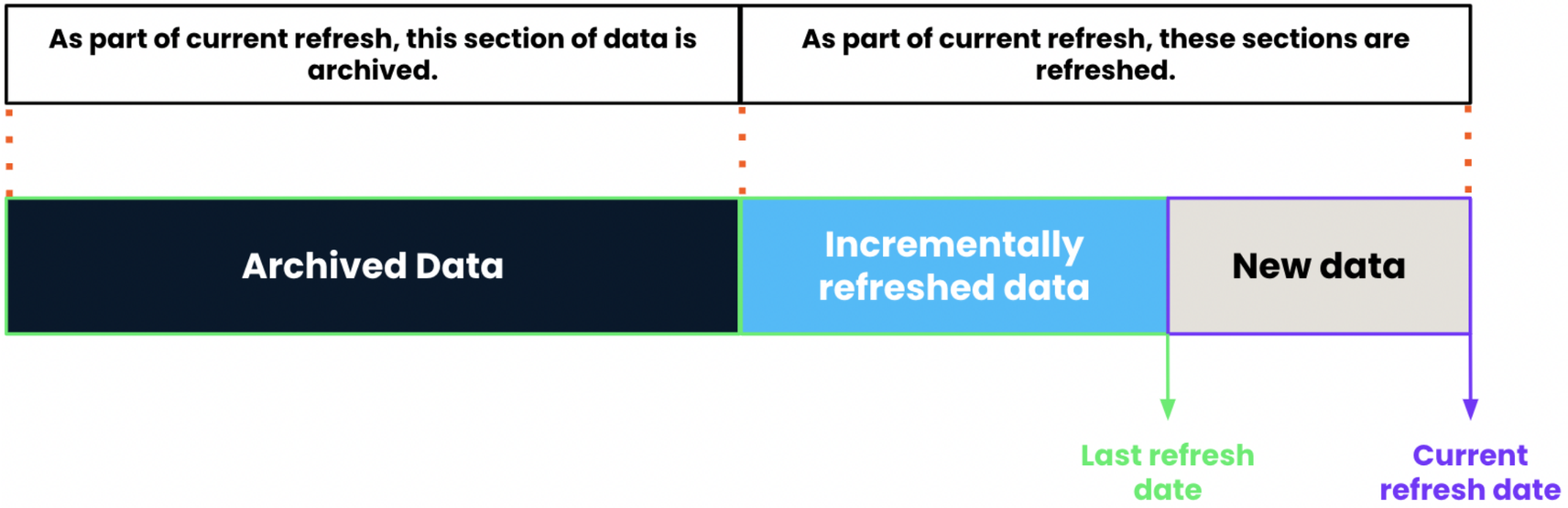
- Properties that can be set include:
  - Name
  - Value
  - Type
- Data connection uses of parameters:
  - Dynamic connections with changeable servers and databases
  - Incremental refreshes

Incremental refresh

- Partial refresh of data model created in Power BI
- Used when dealing with very large datasets or historical data
- Advantages of incremental refresh:
  - Lower refresh times
  - Less database resources consumed



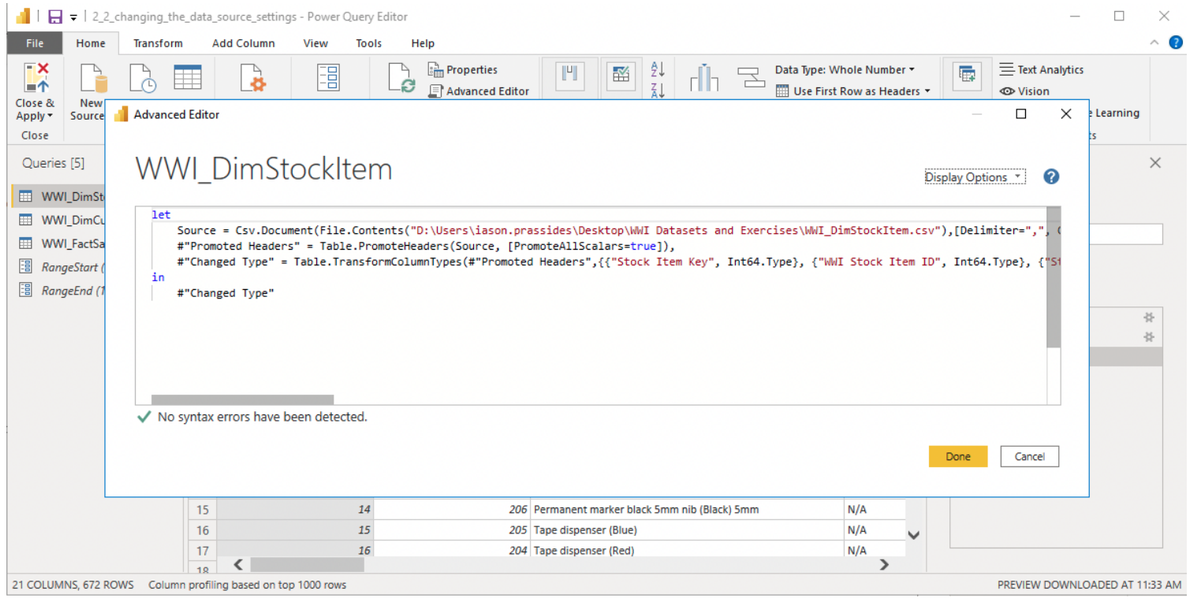
Incremental refresh



- Upon new refresh, data is either archived, refreshed, or added
- Require parameters for dynamic querying of our data sources
- Access to Power BI Service through relevant account types
- Ensure data gateways have been setup for data sources connections

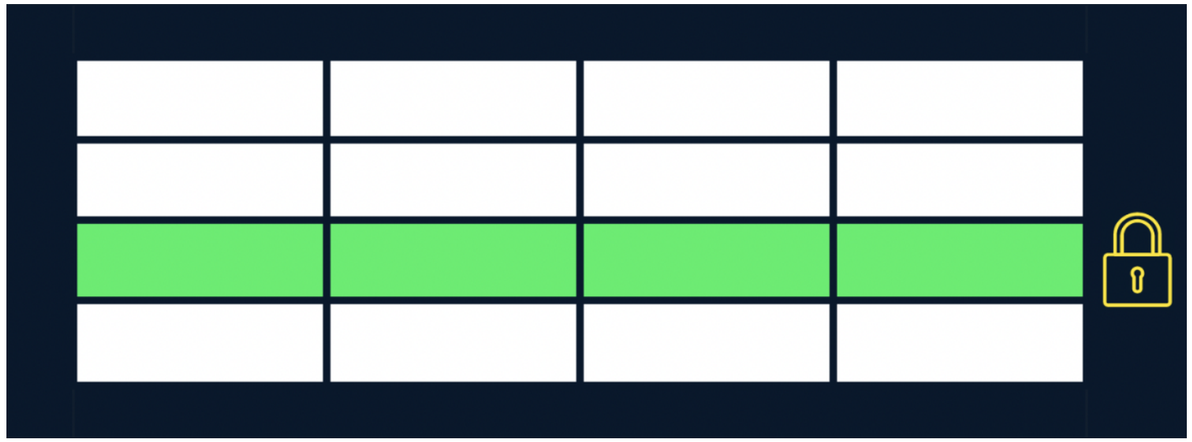
M Language

- Fixing errors in data connections
- M Language is the code used within Power Query Editor
- Useful for working with data connections during the data import stage
- Code is case-sensitive
- Library of standard functions available



Row-level security

- Row-level security (RLS) can be tailored for different user groups
- Applied on tables within the data model after the import process
- Filters data based on defined DAX rules
- RLS created in Power BI Desktop, and take effect in Power BI Service



Let's practice!

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Parameters and incremental refresh

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Discovering M Language

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Congratulations

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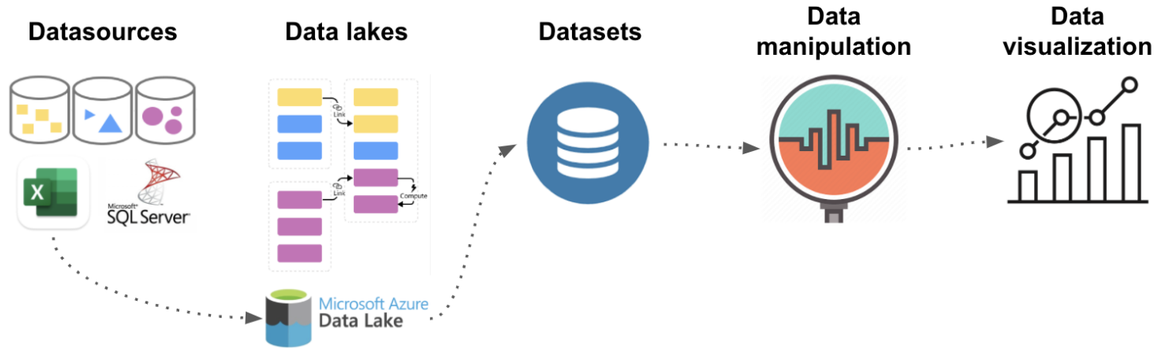
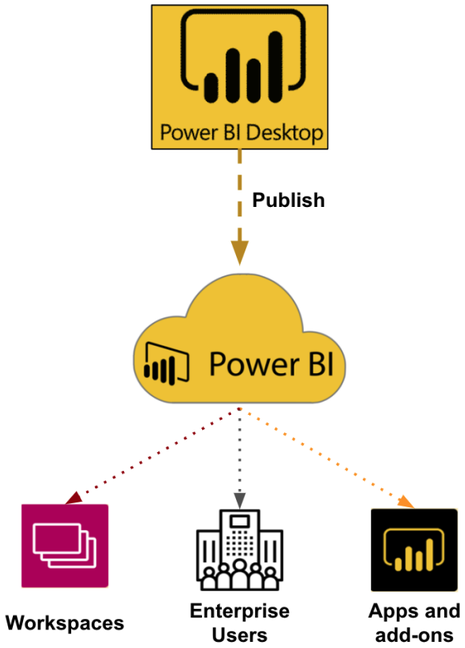
Chapter 1: Data Connections in Power BI

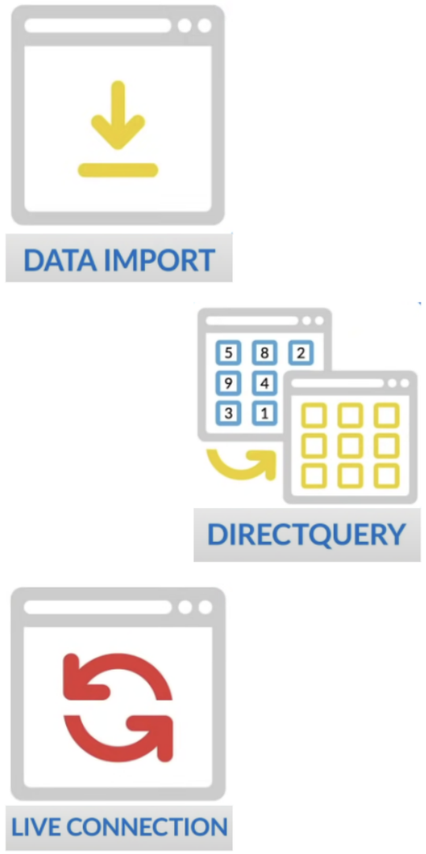
- What data means to businesses
- Data flow processes
- Power BI Service data features
- Fundamental data connection features in Power BI Desktop
- Power BI Service introduction





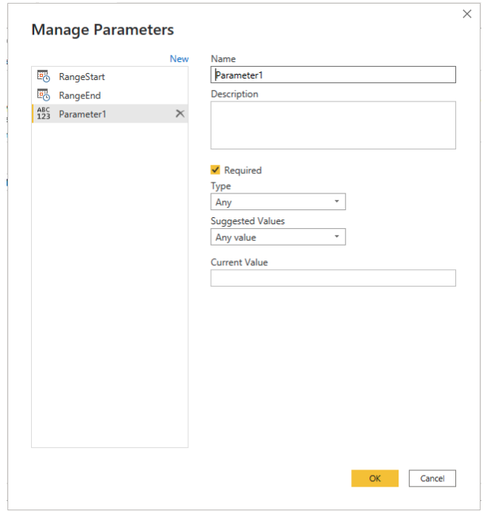
Chapter 2: Databases and More

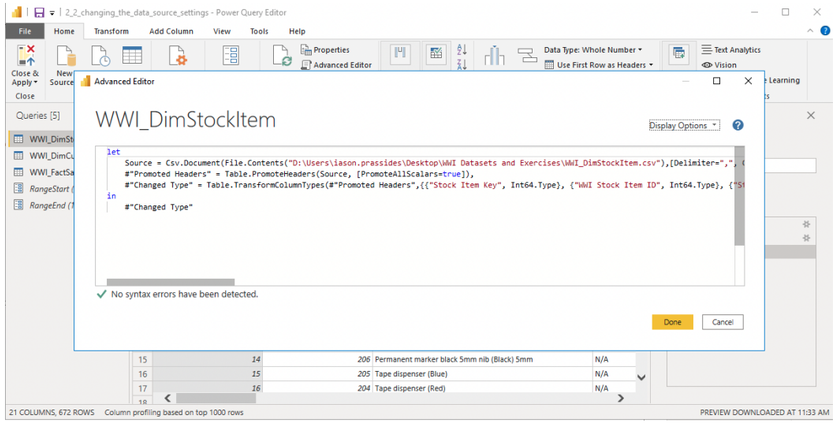
- Storage modes in Power BI
- Different database connections
- Connection to an ODBC source



Chapter 3: Further Data Source Settings

- Parameters
- Incremental refresh
- M Language and Advanced Editor





Congratulations!

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