Data connections in Power BI

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datacamp

The importance of data

Why is data important?

- Beneficial for different sized companies and industries

- Used to support decision making:
  - Company KPIs
  - Marketing efficiency

Understand company data

- Internal data:
  - Collected by the company itself
  - Relates to their own operations

- External data:
  - Collected by external companies
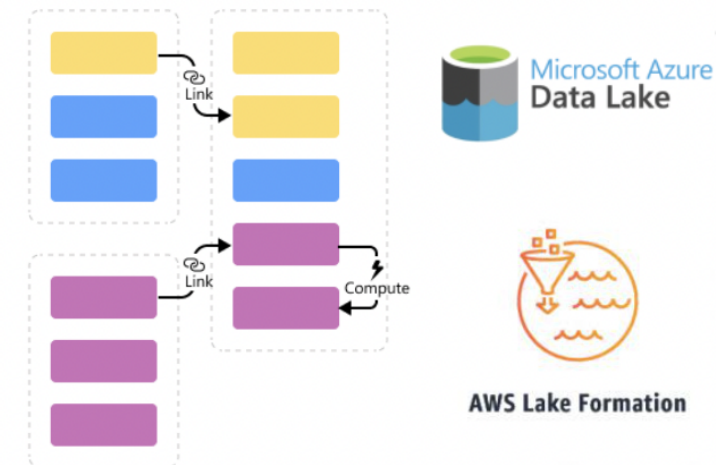 - Related to more general information

Storing data

- Data source is the original source of data
  - Database management systems (MySQL, Oracle, etc.)
  - CSV/Excel files
  - Web services
- Data lakes gather data from many different sources
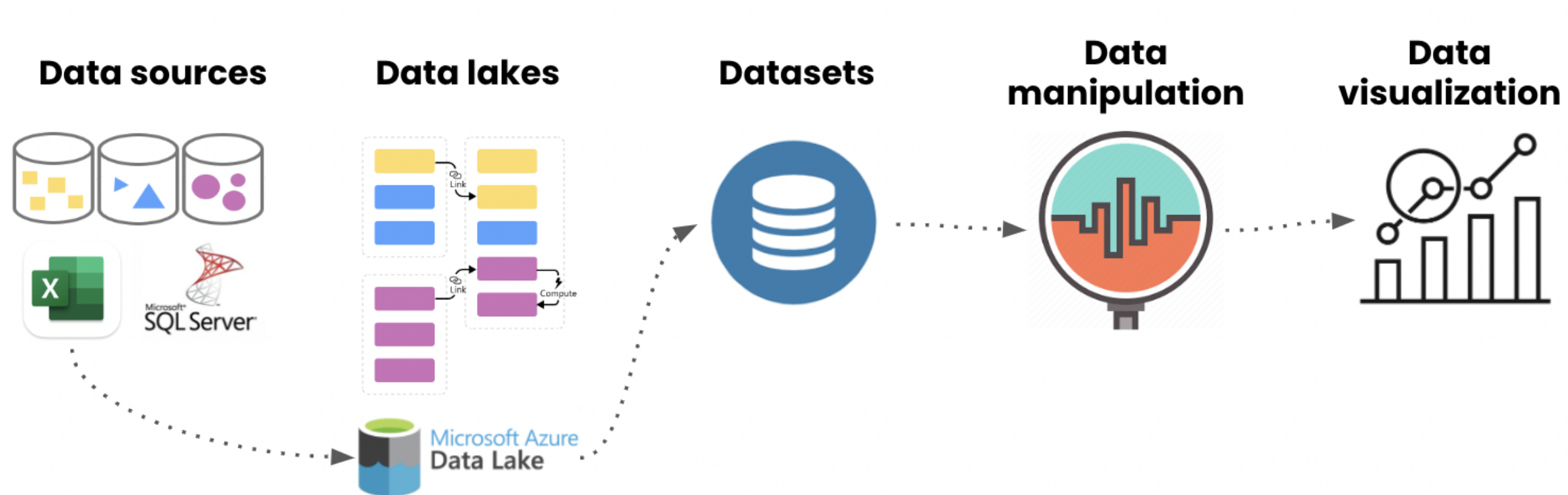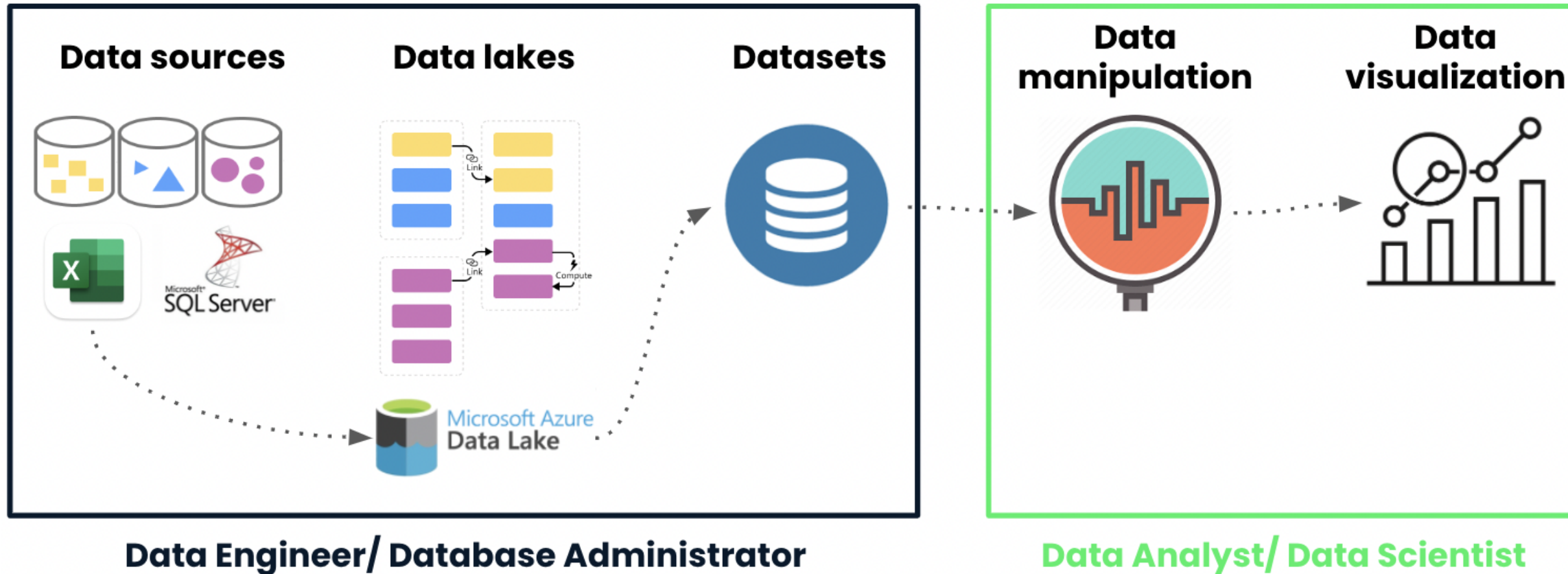- Datasets are collections of processed data in tabular form
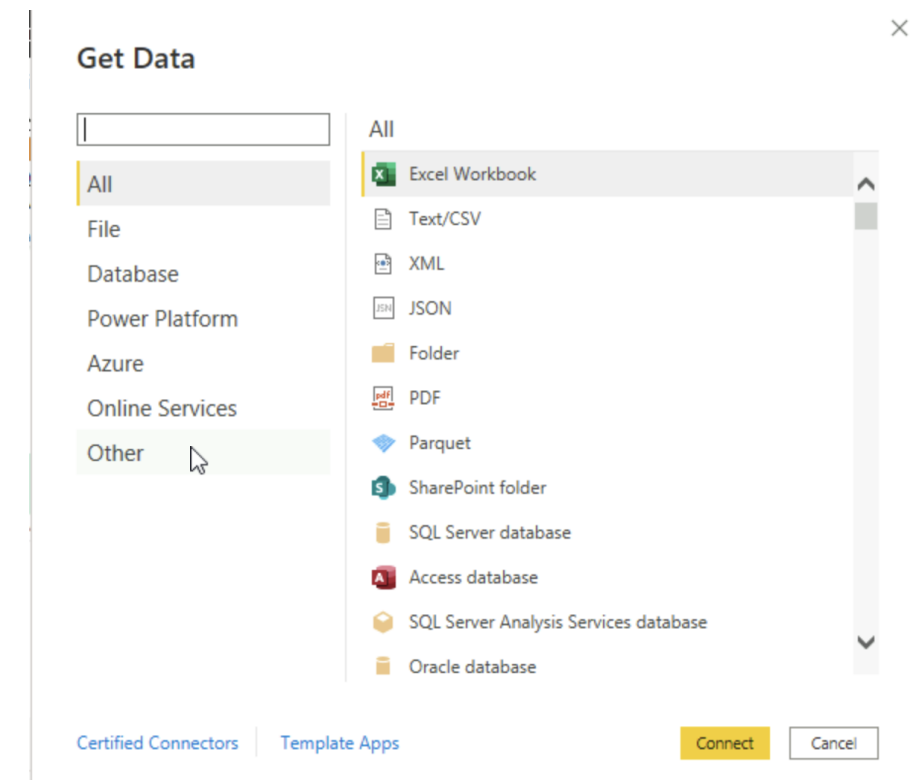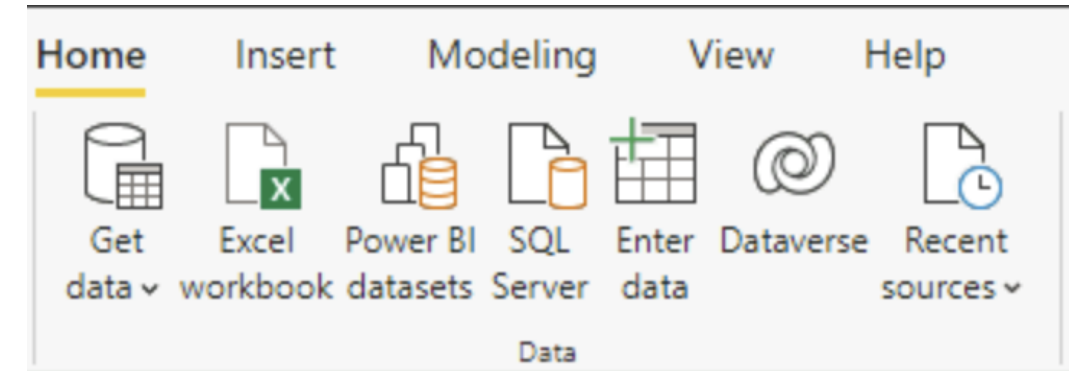
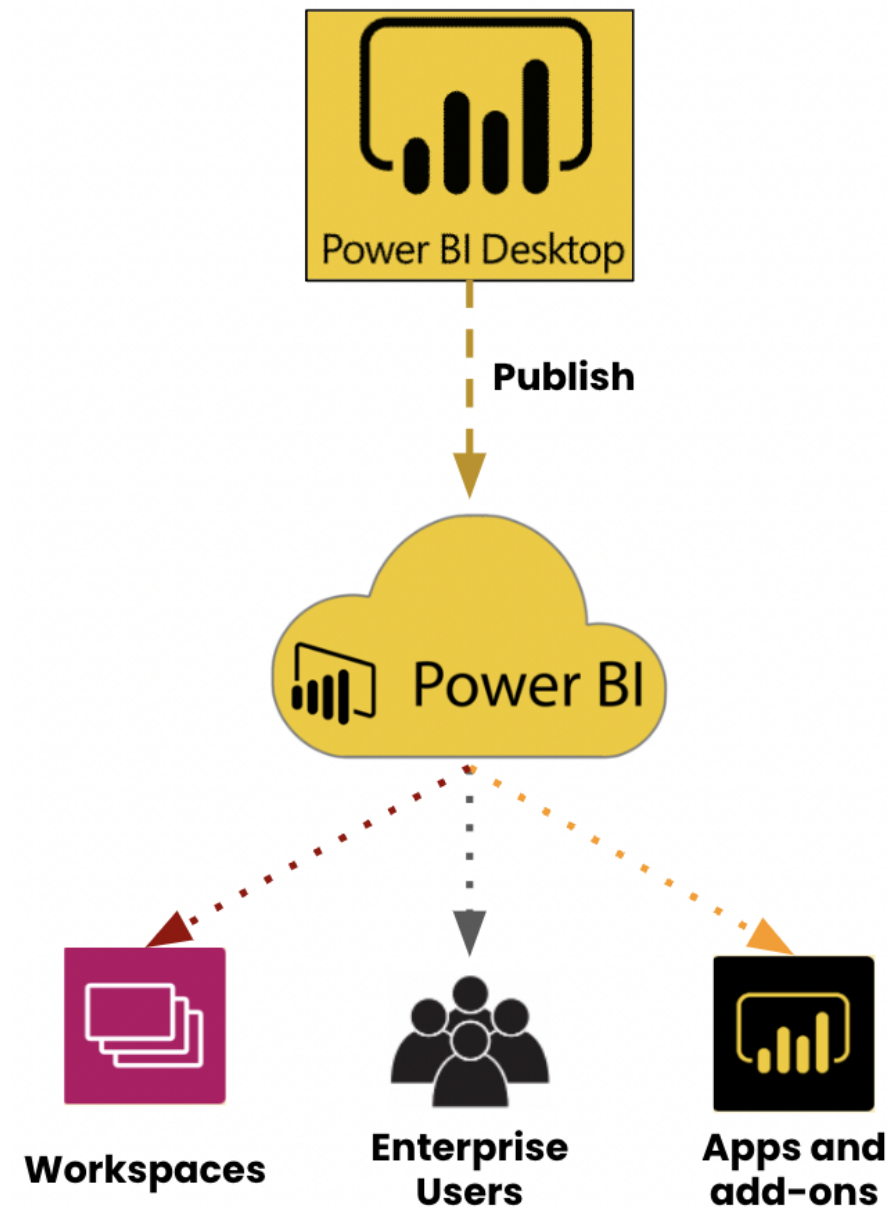# The flow of data

The flow of data

- Data engineers are involved with the first stages, while data analysts deal with the latter stages

- A logical flow of data allows for more efficient utilization of company data

Data in Power BI Desktop

- Over 100 data connections available
  - Excel files
  - Databases
  - Online Services

- Dataverse is a cloud-based storage space

Power BI Service

- SaaS (Software as a Service) version of Power BI

- Workspaces allow organization of content

- Access for entire enterprises

- Apps provide resource for reporting and analytics

Data in Power BI Service

- Share and manage company datasets and reporting

- Dashboard building capabilities

- Data gateway connections

- Scheduled refreshes

Power BI comparison

Power BI Desktop	Both	Power BI Service
Many data sources	Reports	Some data sources
Transforming	Visualizations	Dashboards
Shaping & modeling	Security	Apps & Workspaces
Measures	Filters	Sharing
Calculated columns	Bookmarks	DataFlow creation
Python	Q&A	Paginated reports
Themes	R visuals	RLS management
RLS creation		Gateway connections

- Desktop application useful for loading, transforming and manipulating data

- Service application has strengths in sharing different assets

- Report building and security measures available in both

Let's practice!

DATA CONNECTIONS IN POWER BI

Power BI Desktop connections

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Welcome to Power BI Service

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