

Introduction to Power Query

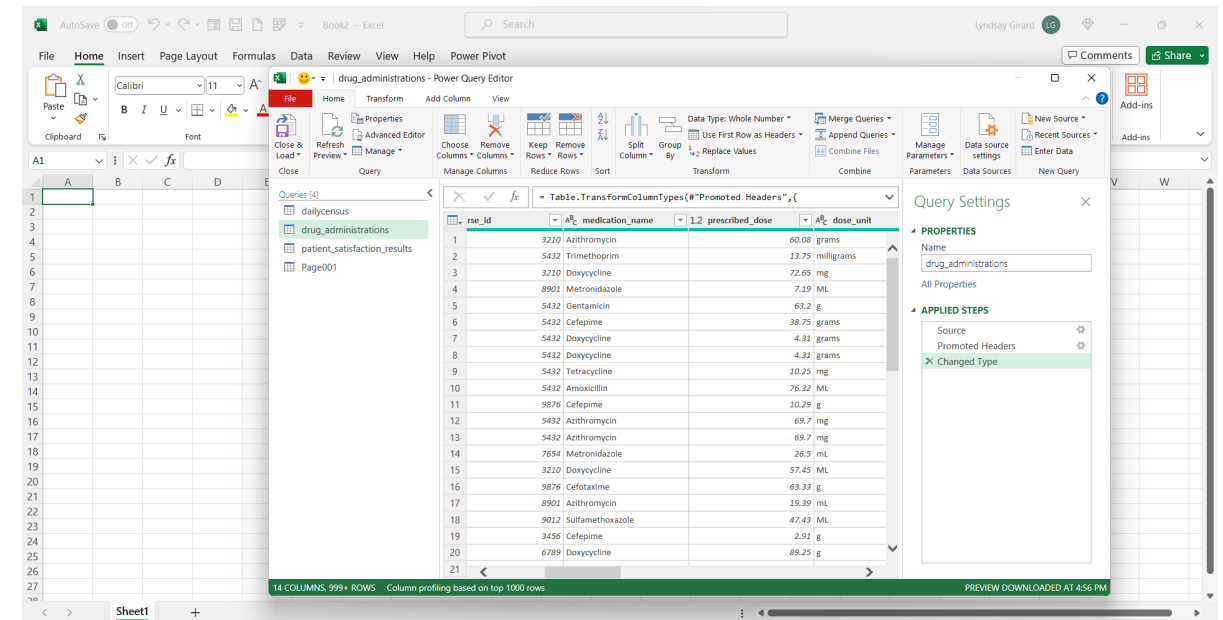
INTRODUCTION TO POWER QUERY IN EXCEL



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What is Excel Power Query?

- Powerful tool built into Microsoft Excel (and Power BI)!
- Enables efficient data import, transformation, and loading.
- Simplifies manual processes.
- User-friendly interface.



Excel Workbook vs Power Query Editor

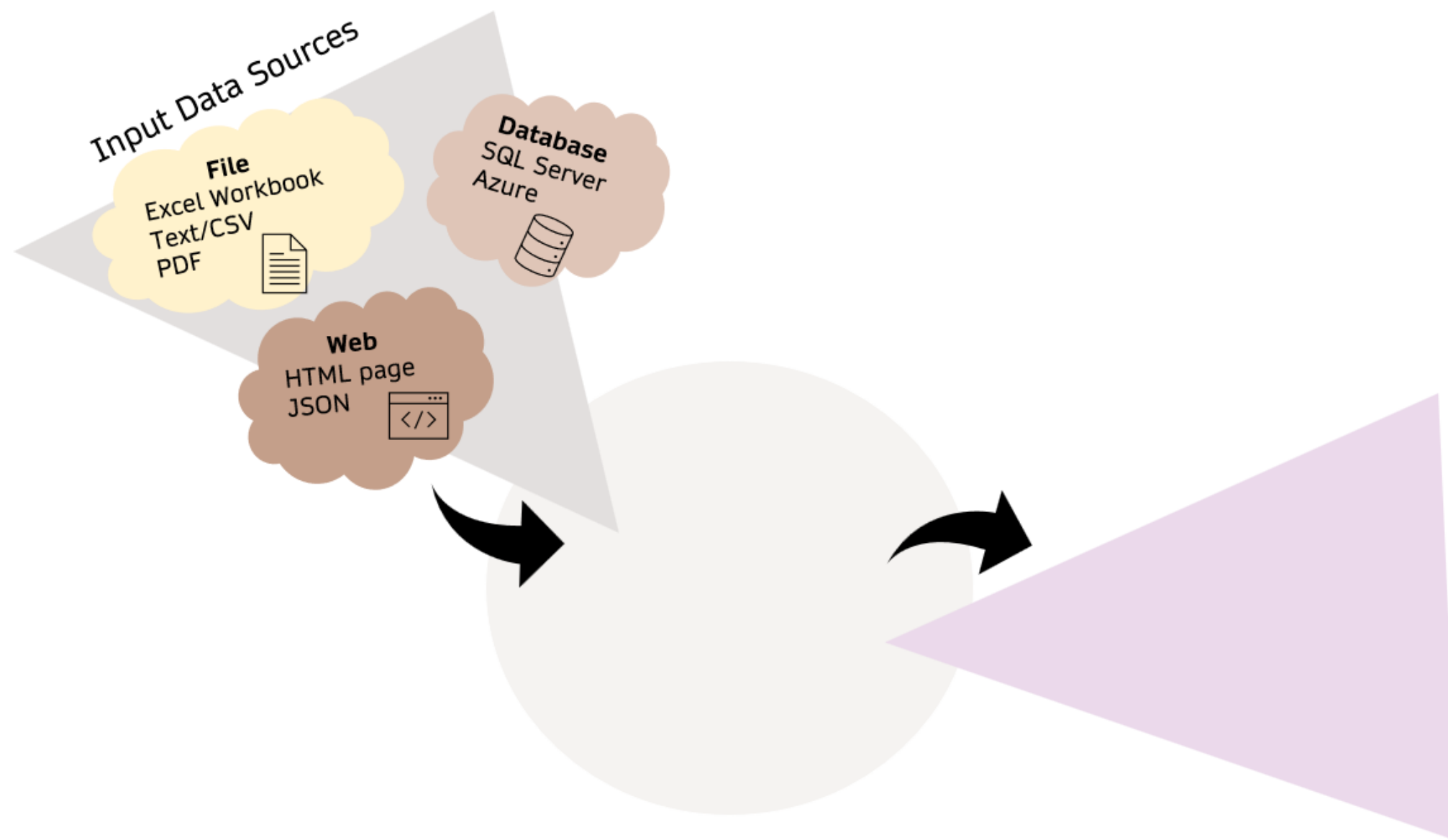
Excel Workbooks:

- Spreadsheet software.
- Manual data entry and formatting.
- Ideal for conducting analysis, reporting, and visualization.

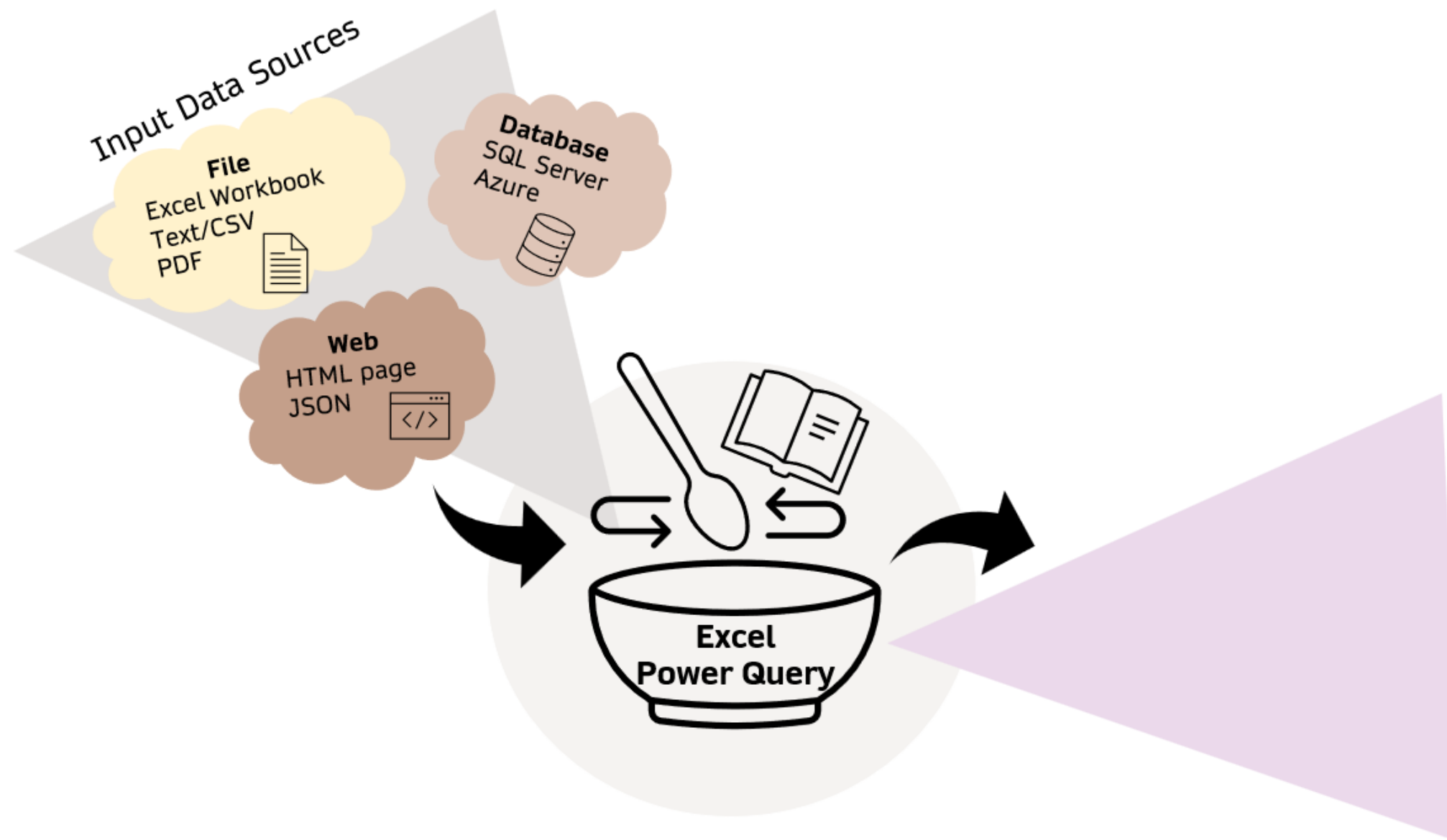
Excel Power Query Editor:

- Add-in within Excel.
- Integrated data processing and transformation.
- Facilitates data workflows.

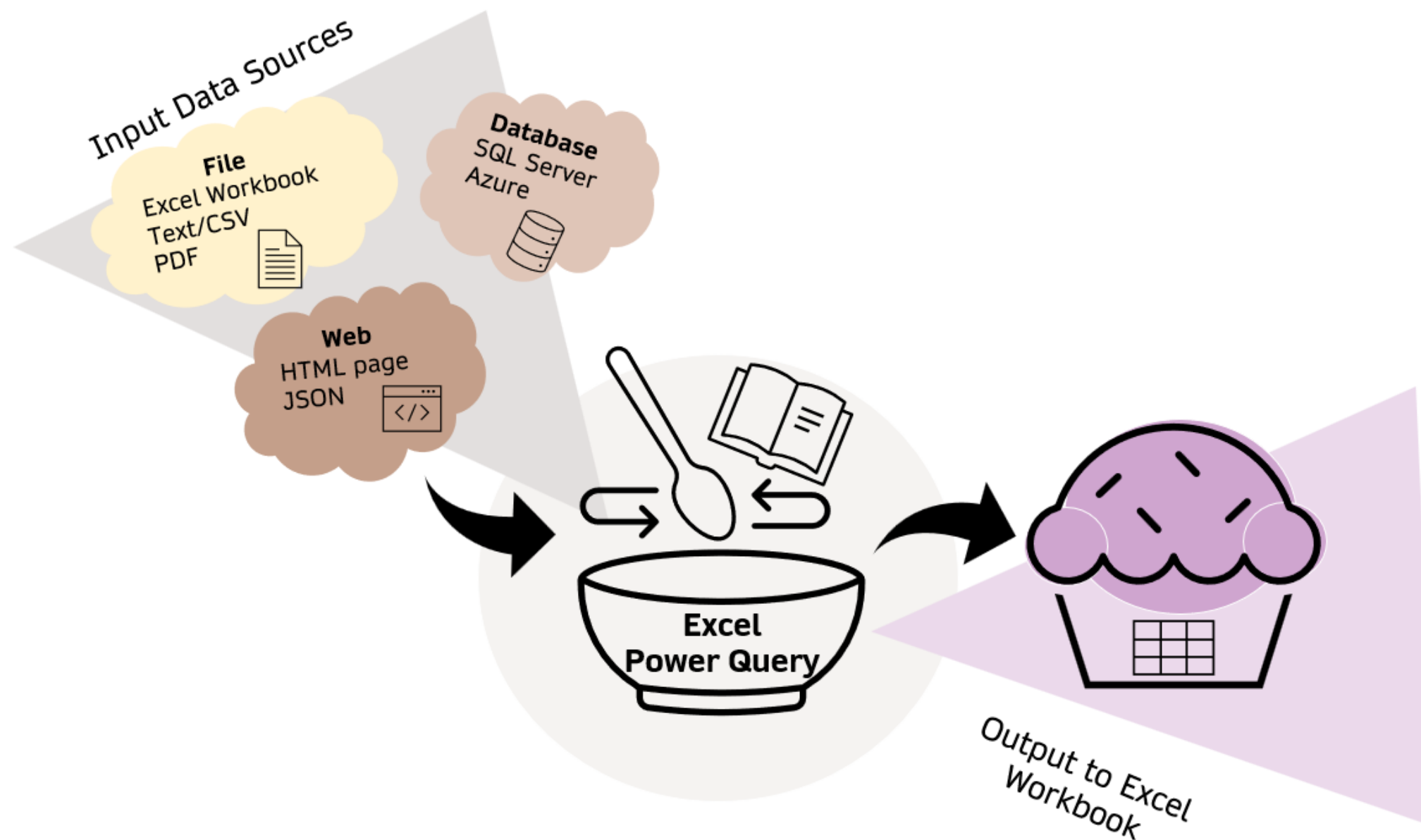
The Power of Power Query



The Power of Power Query



The Power of Power Query



ETL in Excel Power Query

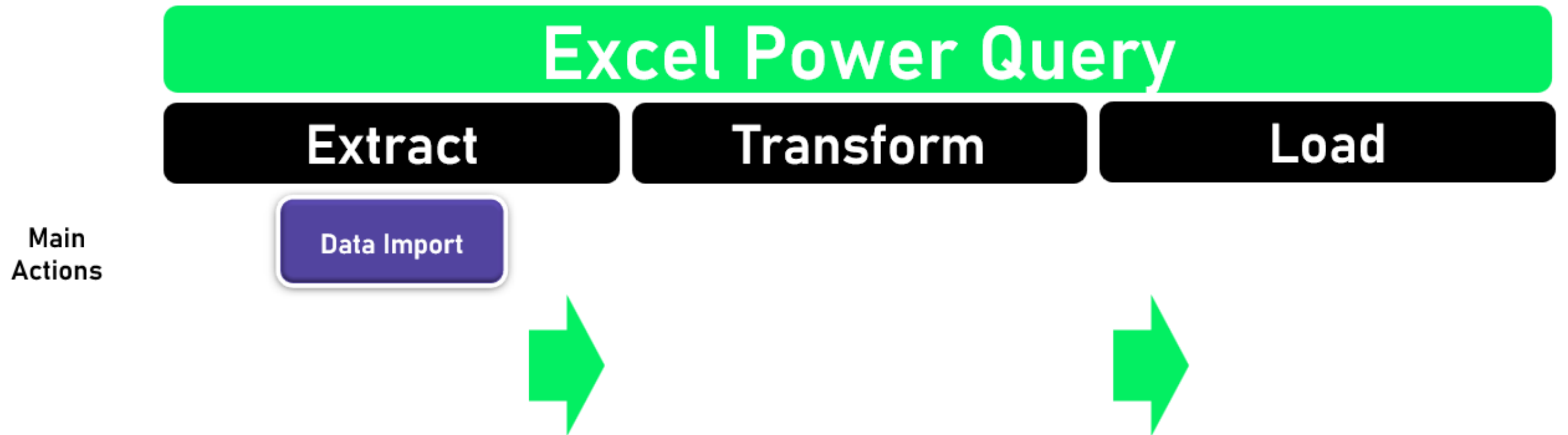
Excel Power Query

Extract

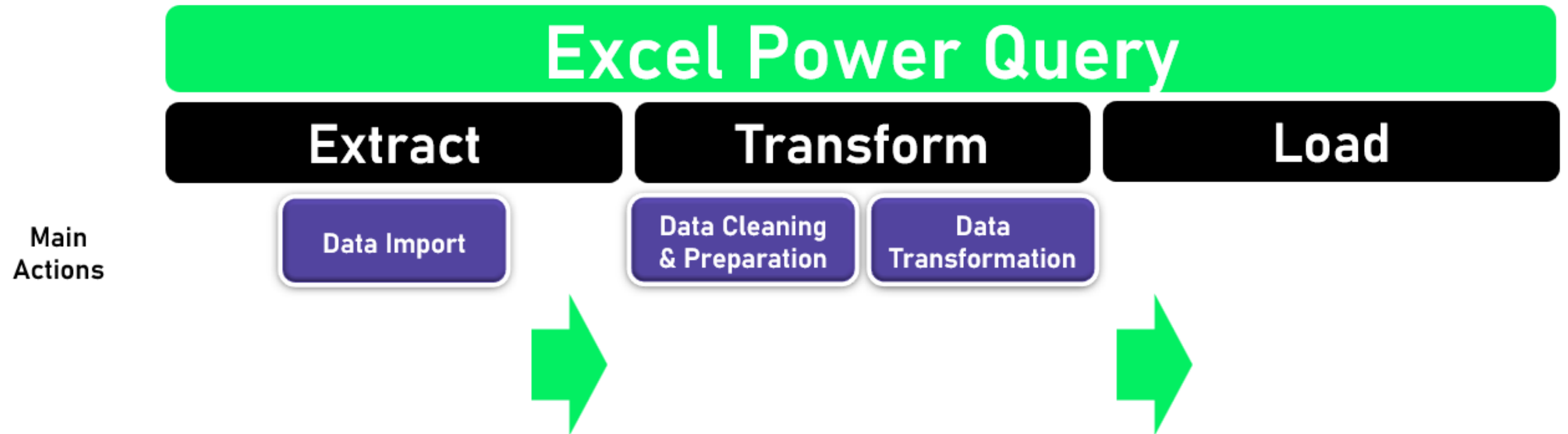
Transform

Load

ETL in Excel Power Query



ETL in Excel Power Query



Excel Power Query

Extract

Transform

Load

Data Import

Data Cleaning
& Preparation

Data
Transformation

Data Load

Main
Actions



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Transform

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Excel Power Query

Extract

Transform

Load

Main
Actions

Data Import

Load Dataset(s)

Name Columns

Order Columns

Enter Data

Data Cleaning & Preparation

Column
Formatting

Data
Filtering/Sorting

Error Handling

Transform
Columns

Data Transformation

Reshape Data

Data
Aggregation

Joining/Merging
Queries

Custom
Transformations

Data Load

Load to Excel
Workbook

Refresh Data

Power Pivot

Data Modeling

Excel Power Query

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Refresh Data

Power Pivot

Data Modeling

Enabling
Features

Documentation & Applied Steps

Data Preview

M-Language and Functions

Advanced Editor

Query Dependencies Viewer

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Query Dependencies Viewer

Data Sources

- Daily census activities
- Drug administration transactions
- Patient Experience Survey questionnaire
- Patient Experience Survey responses



Let's practice!

INTRODUCTION TO POWER QUERY IN EXCEL

Navigating the Power Query Editor

INTRODUCTION TO POWER QUERY IN EXCEL



Lyndsay Girard
Instructor

Let's practice!

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