

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.

The screenshot shows the Microsoft Excel ribbon with the 'Power Query' tab selected. The main area displays a table of data with columns: rse_id, medication_name, prescribed_dose, and dose_unit. The 'APPLIED STEPS' pane on the right shows the 'Promoted Headers' step has been applied. The status bar at the bottom indicates 'PREVIEW DOWNLOADED AT 4:56 PM'.

| rse_id | medication_name | prescribed_dose | dose_unit |
|--------|------------------|-----------------|------------|
| 3210 | Azithromycin | 60.08 | grams |
| 5432 | Trimethoprim | 13.75 | milligrams |
| 3210 | Doxycycline | 72.65 | mg |
| 8901 | Metronidazole | 7.19 | ML |
| 5432 | Gentamicin | 63.2 | g |
| 5432 | Cefepime | 38.75 | grams |
| 5432 | Doxycycline | 4.31 | grams |
| 5432 | Doxycycline | 4.31 | grams |
| 5432 | Tetracycline | 10.25 | mg |
| 5432 | Amoxicillin | 76.32 | ML |
| 9876 | Cefepime | 10.29 | g |
| 5432 | Azithromycin | 69.7 | mg |
| 5432 | Azithromycin | 69.7 | mg |
| 7654 | Metronidazole | 26.5 | ML |
| 3210 | Doxycycline | 57.45 | ML |
| 9876 | Cefotaxime | 63.33 | g |
| 8901 | Azithromycin | 19.39 | ml |
| 9012 | Sulfamethoxazole | 47.43 | ML |
| 3456 | Cefepime | 2.91 | g |
| 6789 | Doxycycline | 89.25 | g |

Excel Workbook vs Power Query Editor

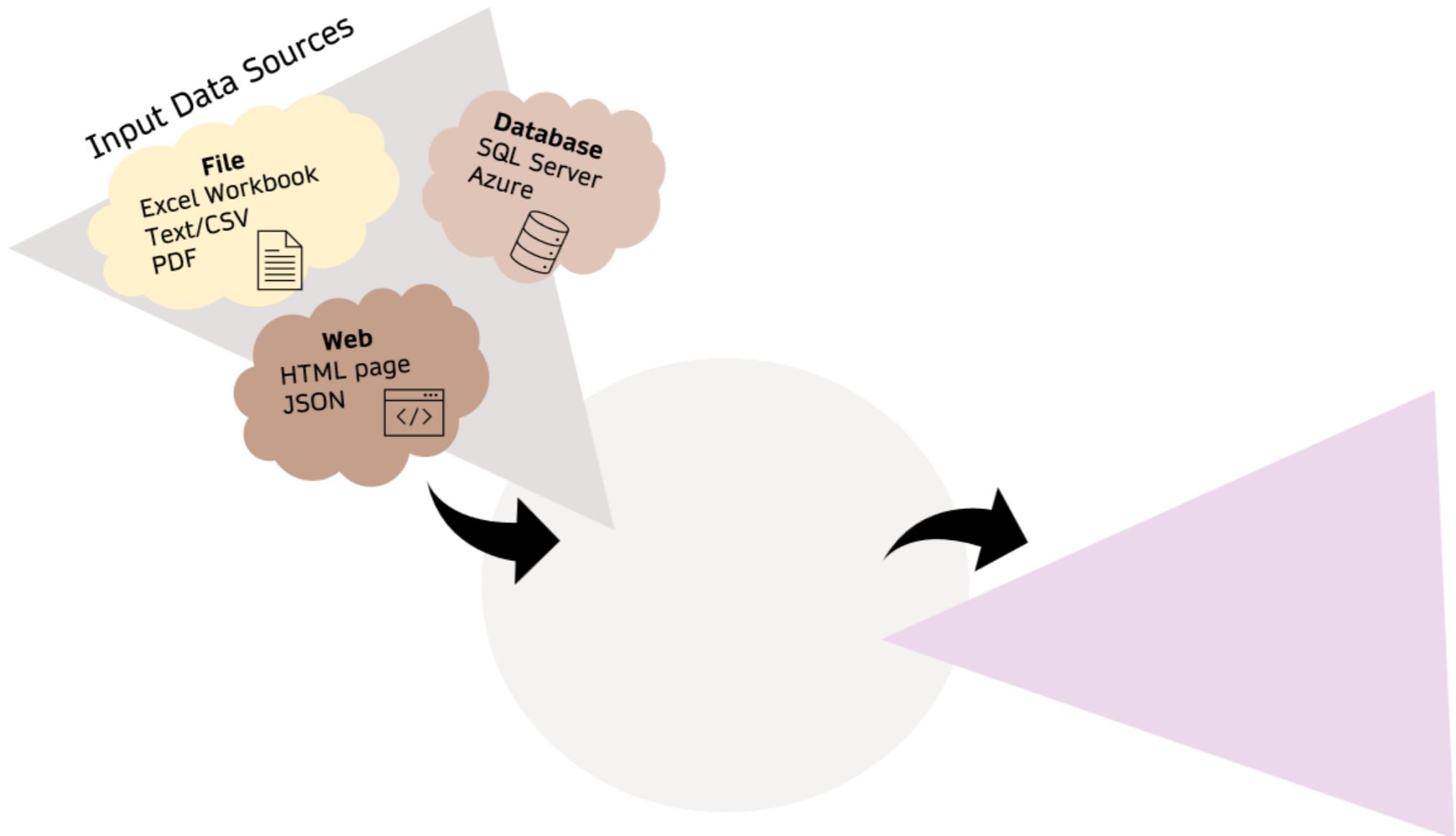
Excel Workbooks:

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

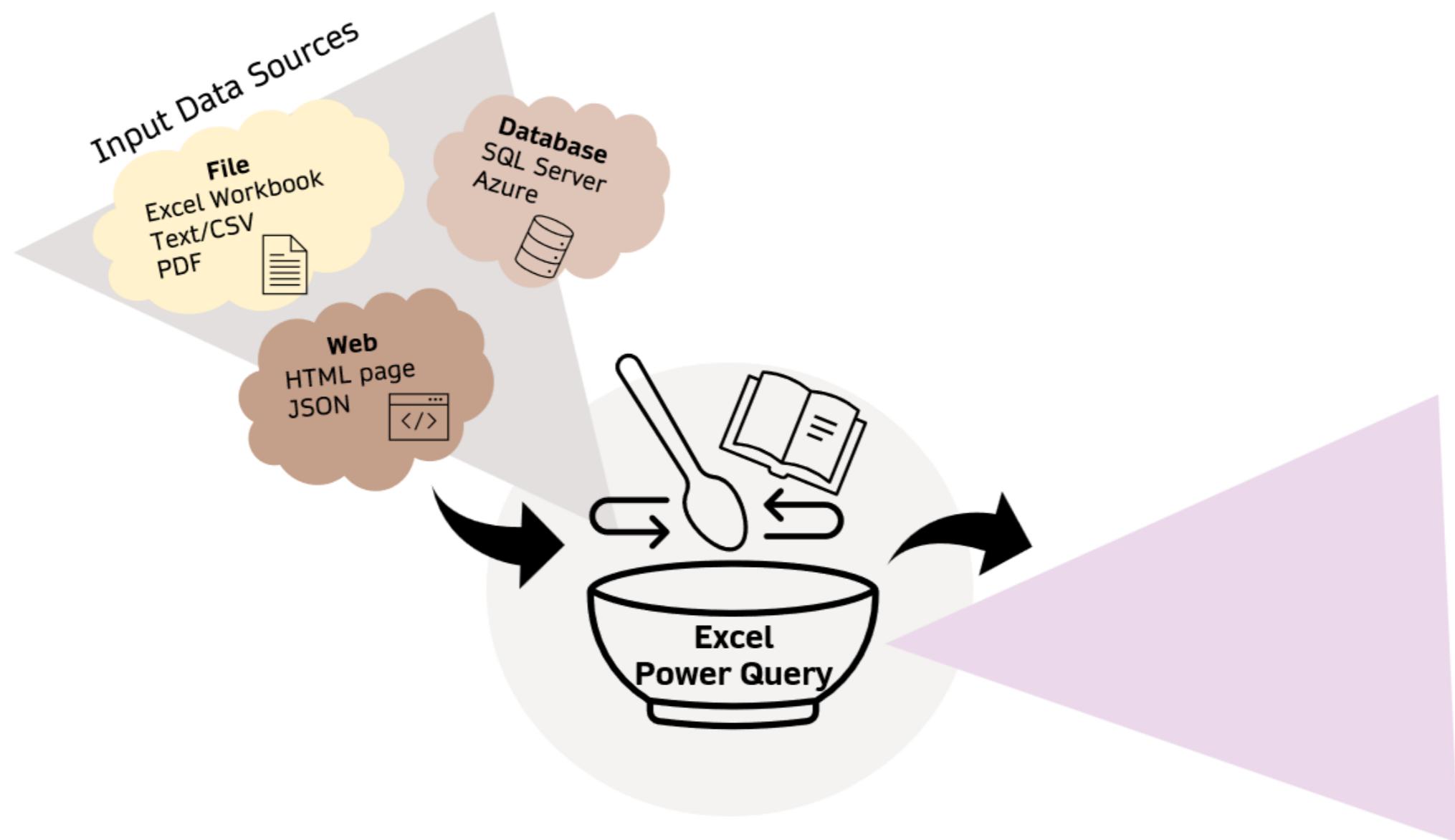
Excel Power Query Editor:

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

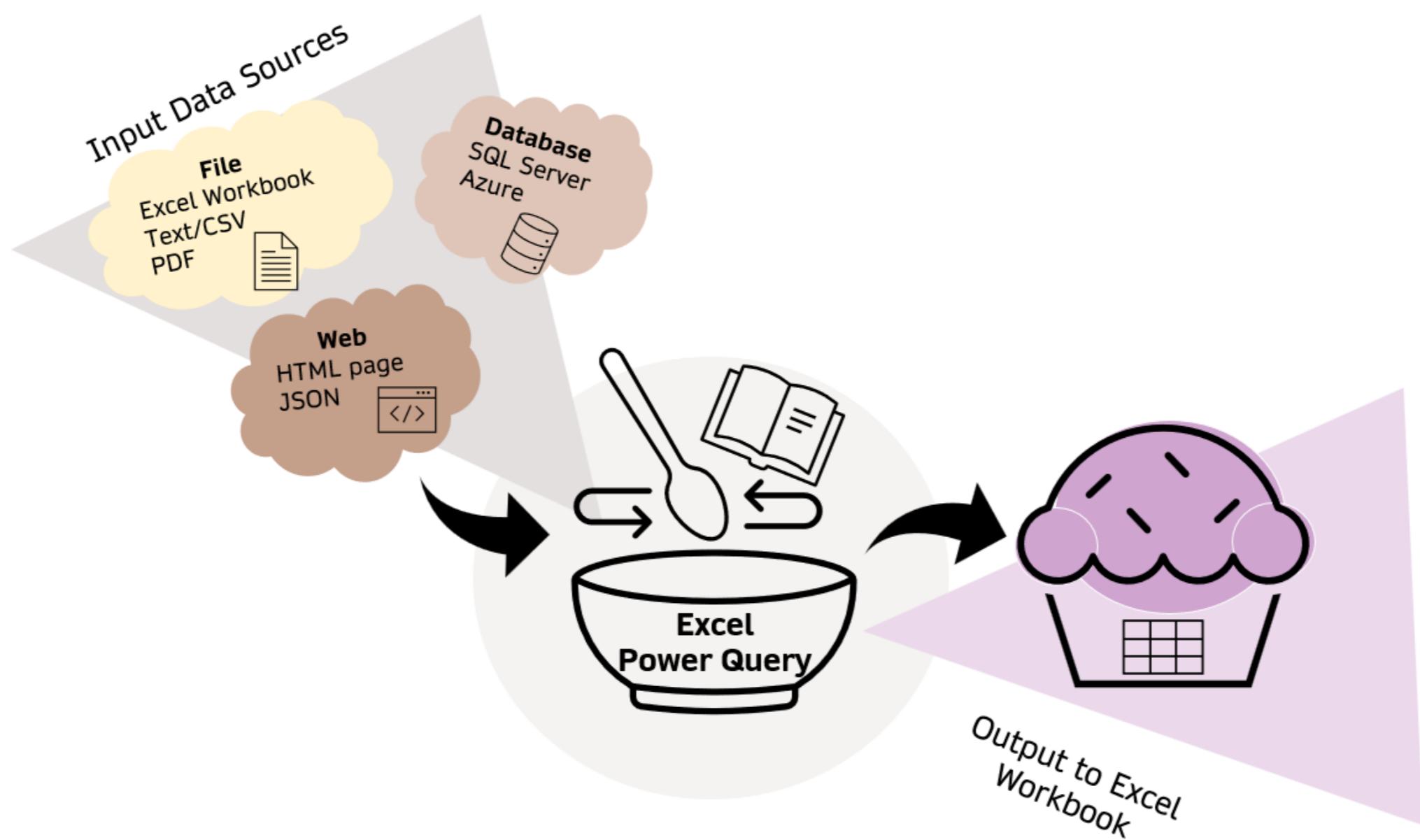
The Power of Power Query



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

Excel Power Query

Extract

Transform

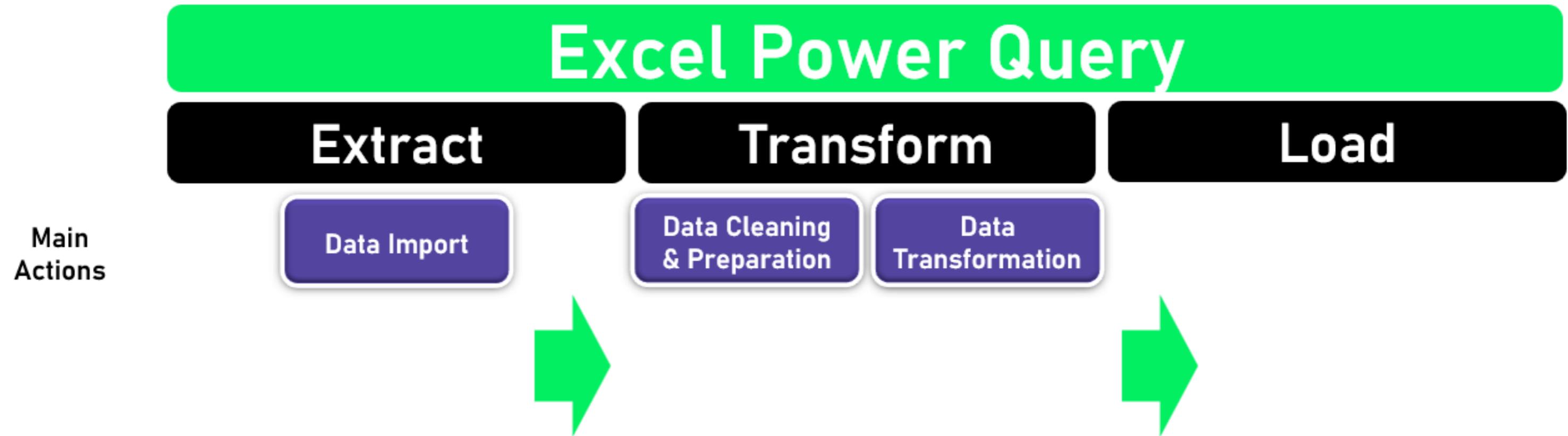
Load

Main
Actions

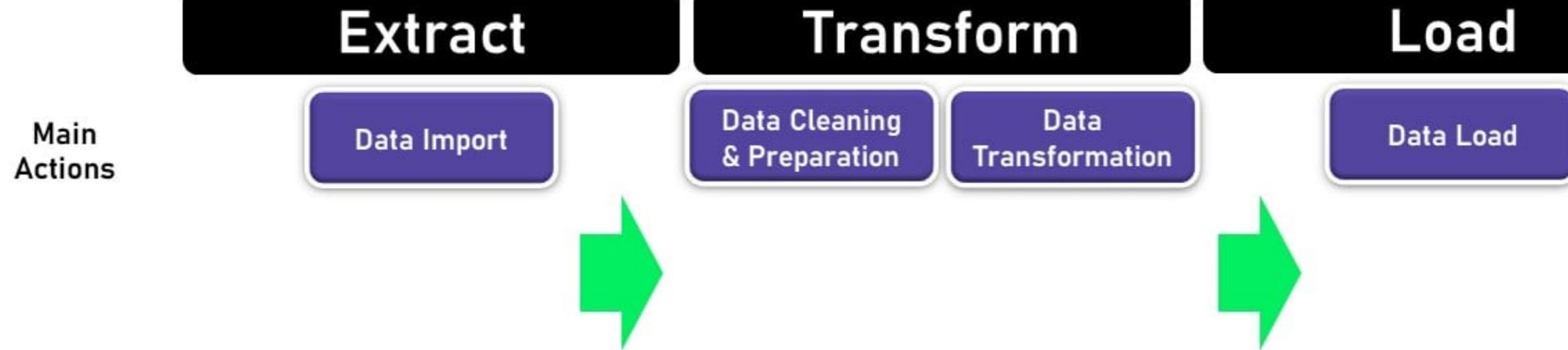
Data Import



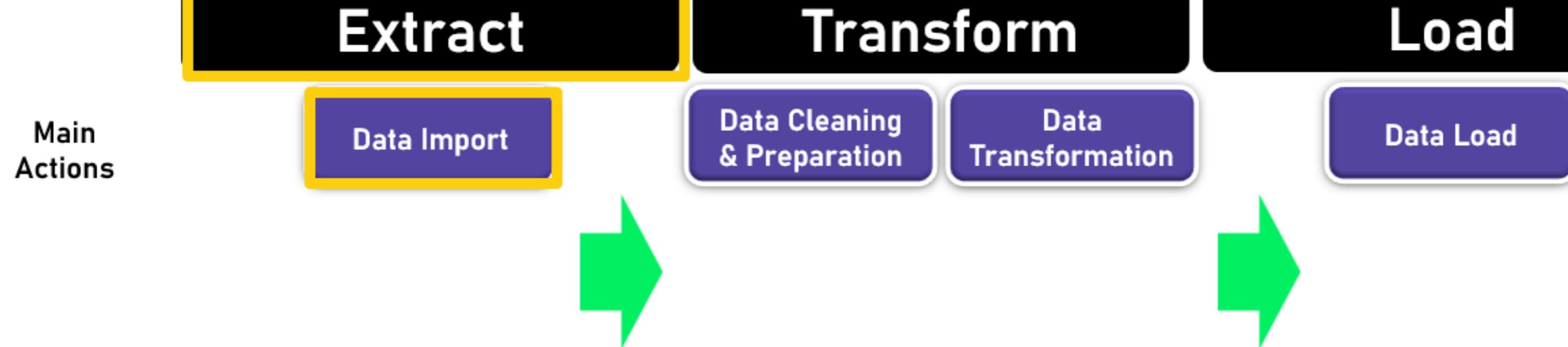
ETL in Excel Power Query



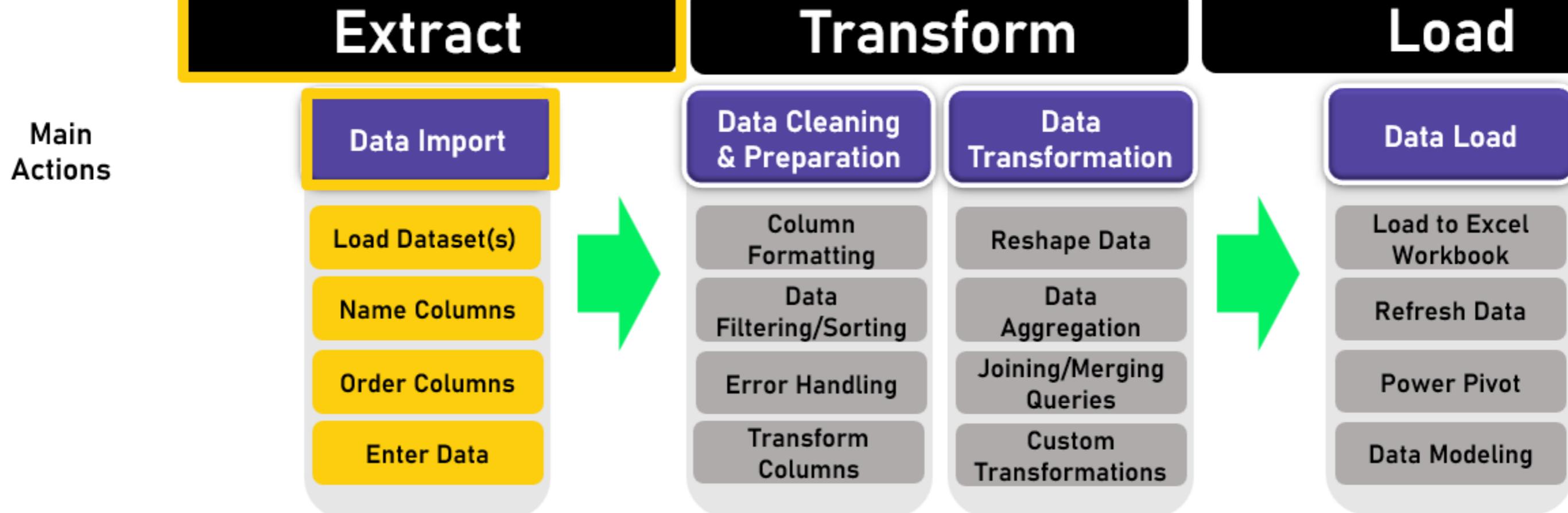
Excel Power Query



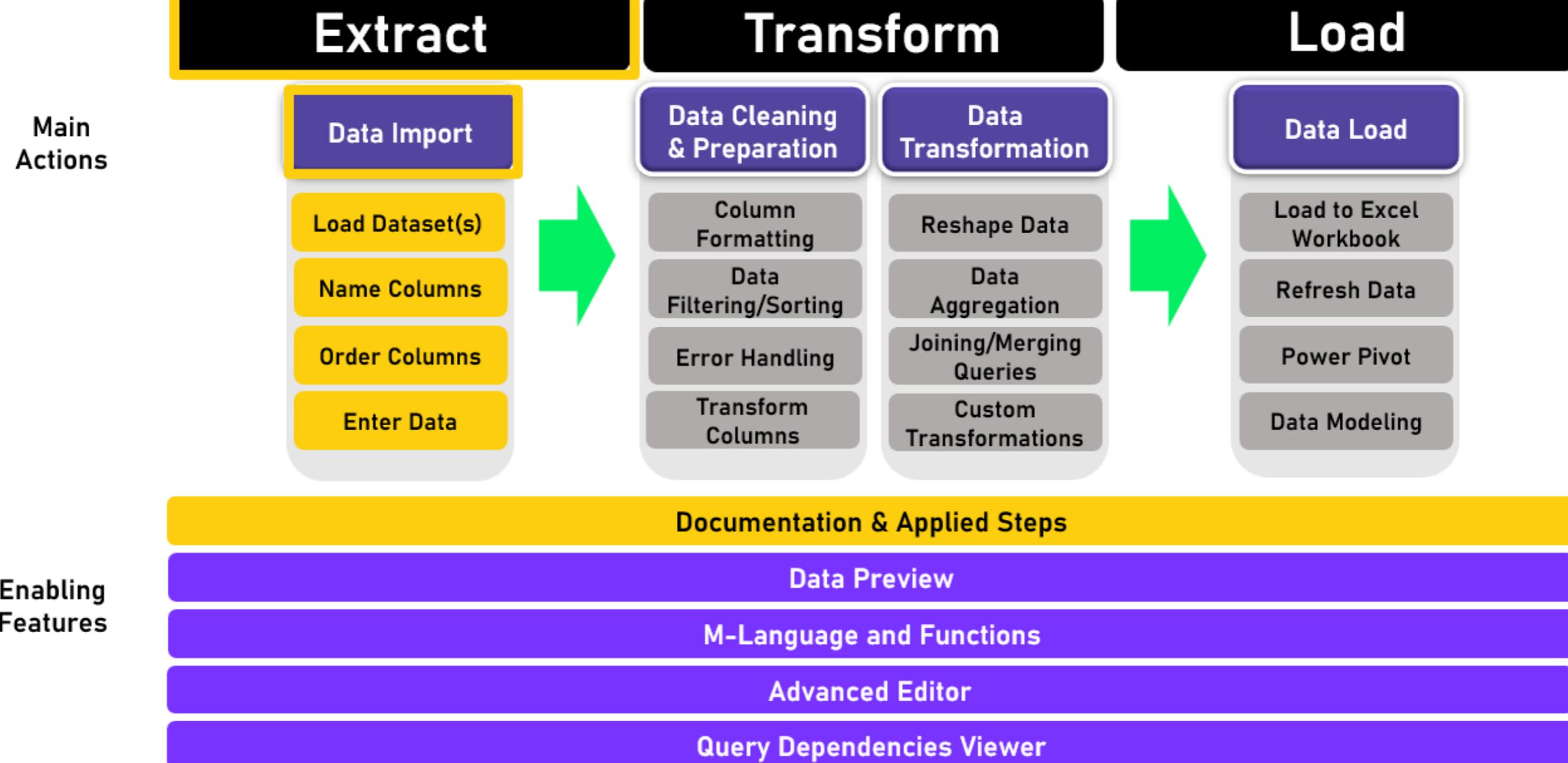
Excel Power Query



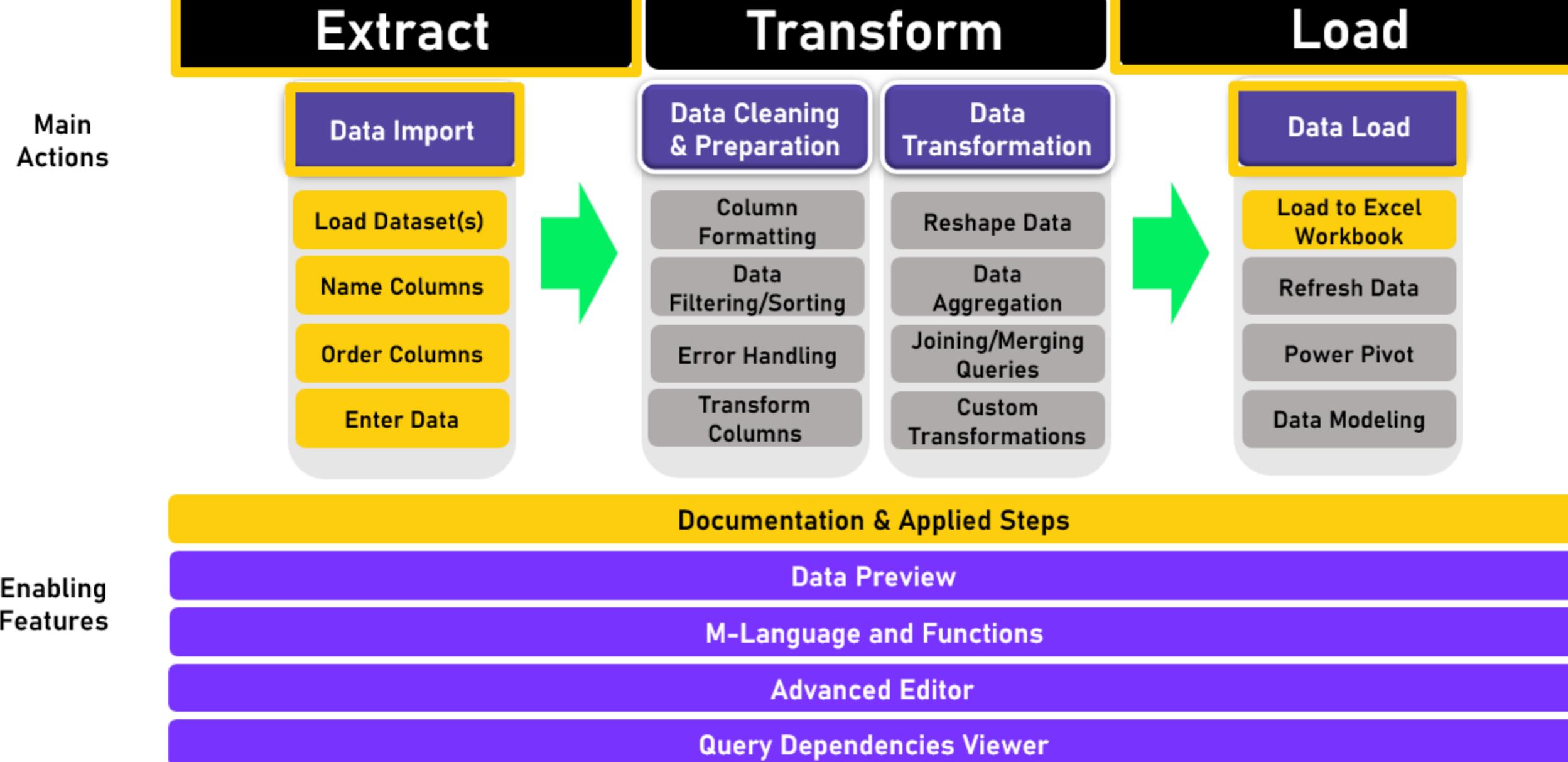
Excel Power Query



Excel Power Query



Excel Power Query



Data Sources

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



Let's practice!

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Navigating the Power Query Editor

INTRODUCTION TO POWER QUERY IN EXCEL



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Instructor

Let's practice!

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