

HAVENS

CONSULTING

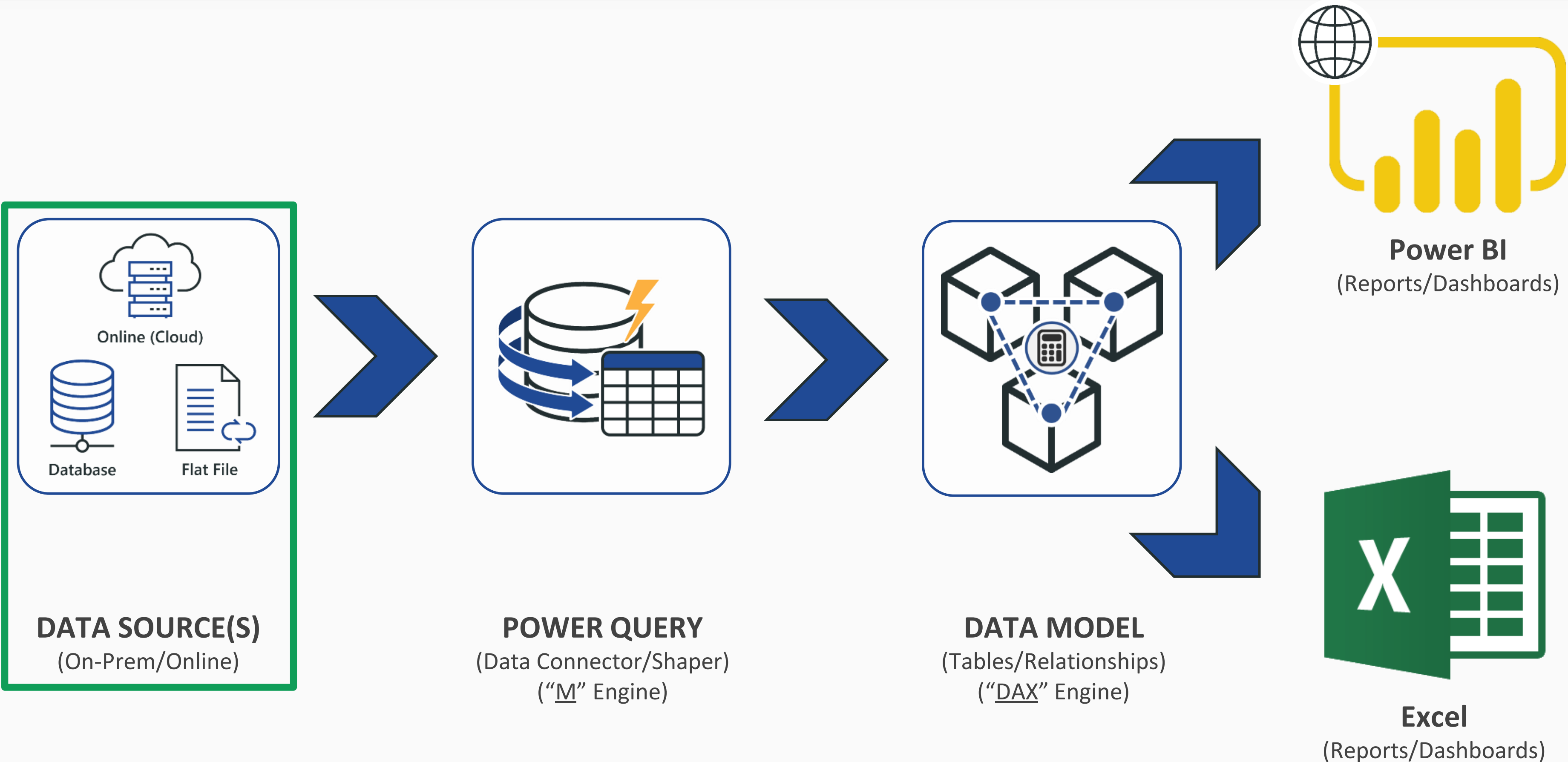
Empowerment Through Business Intelligence

Common Data Transformations

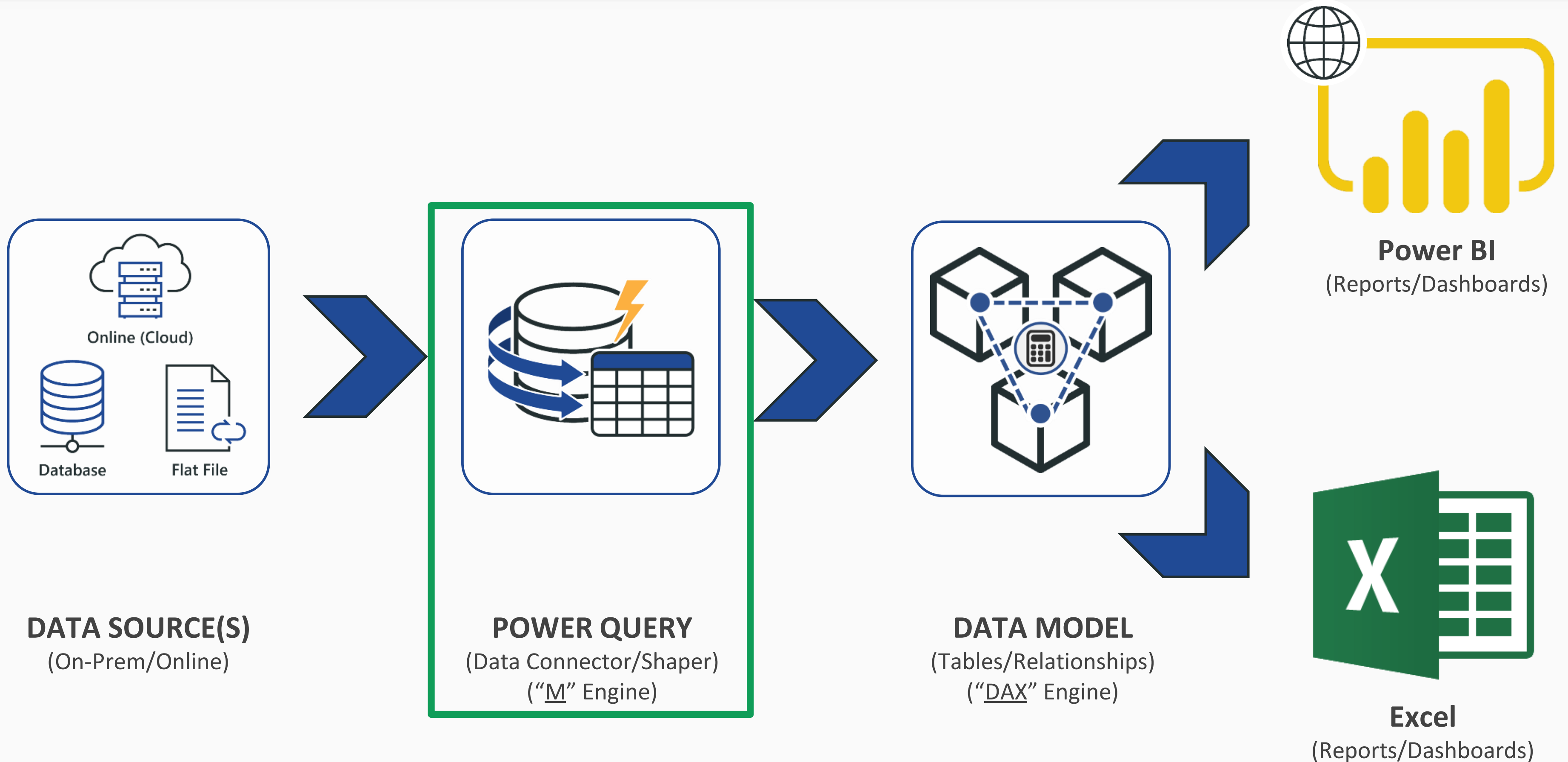
Section 2

Common Data Transformations with Power Query

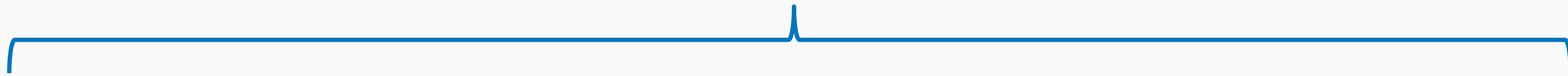
Report Development Process



Report Development Process

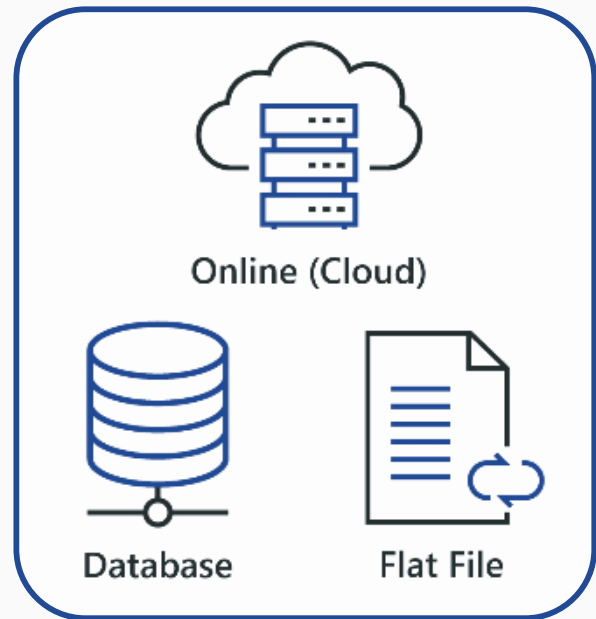


A Transformative Tool for Data



P o w e r Q u e r y

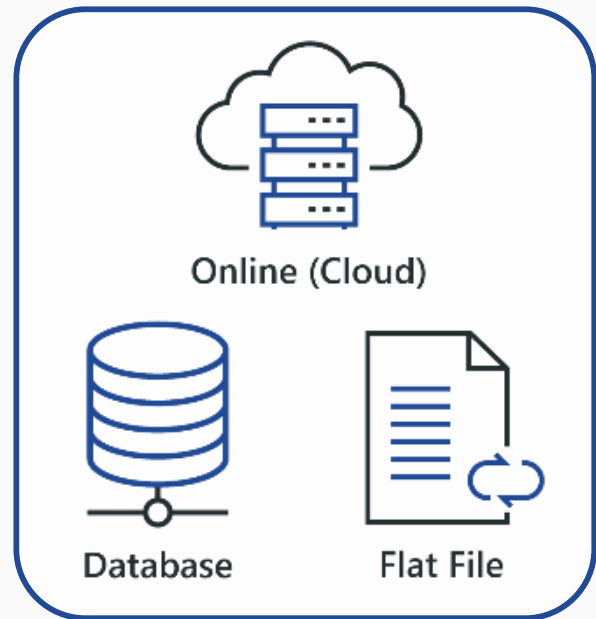
A Transformative Tool for Data



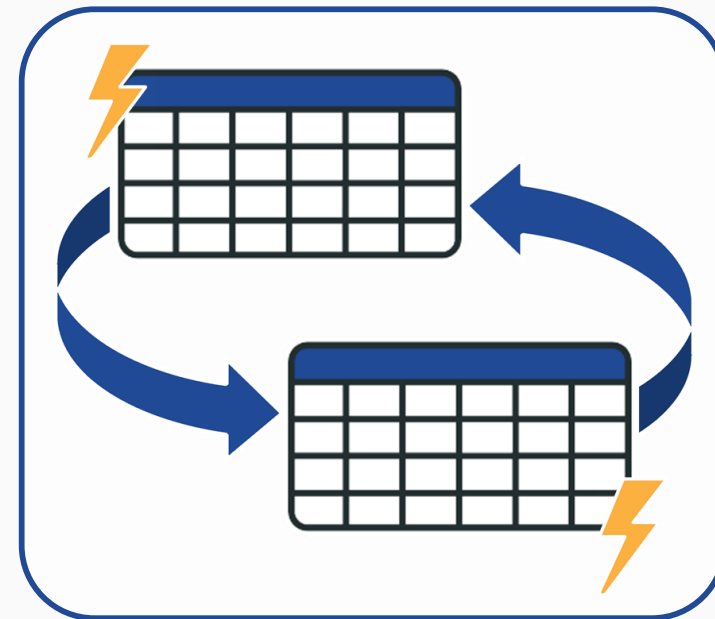
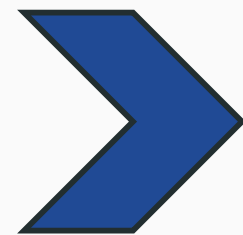
EXTRACT
(Data Sources)

P o w e r Q u e r y

A Transformative Tool for Data



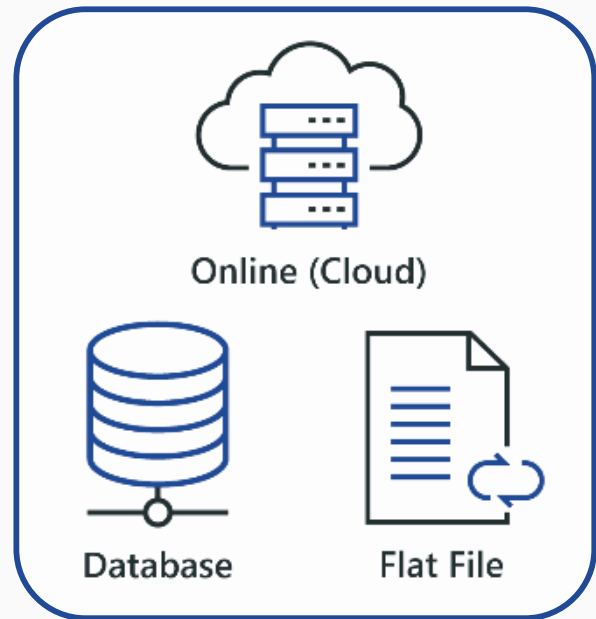
EXTRACT
(Data Sources)



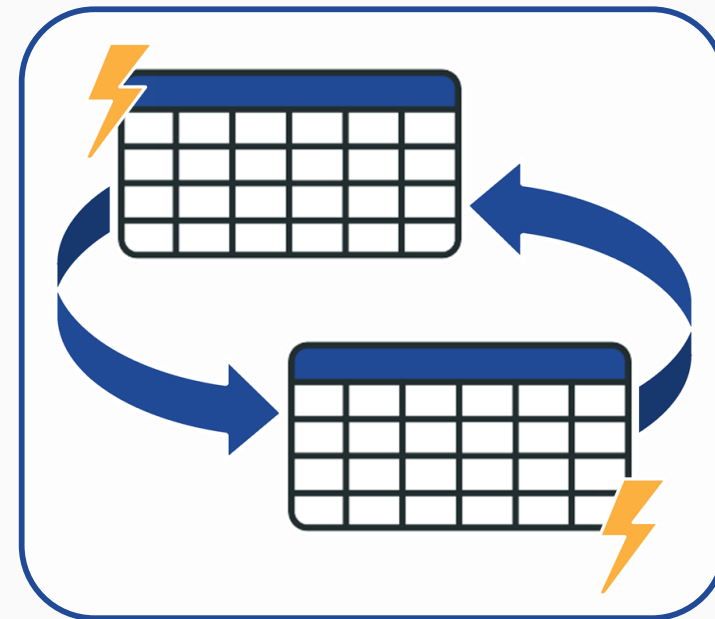
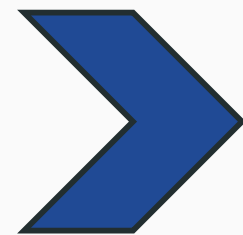
TRANSFORM
(Shaping/Cleaning/Combining)

P o w e r Q u e r y

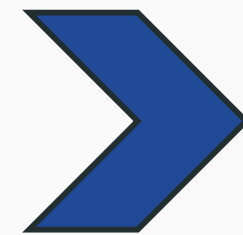
A Transformative Tool for Data



EXTRACT
(Data Sources)



TRANSFORM
(Shaping/Cleaning/Combining)



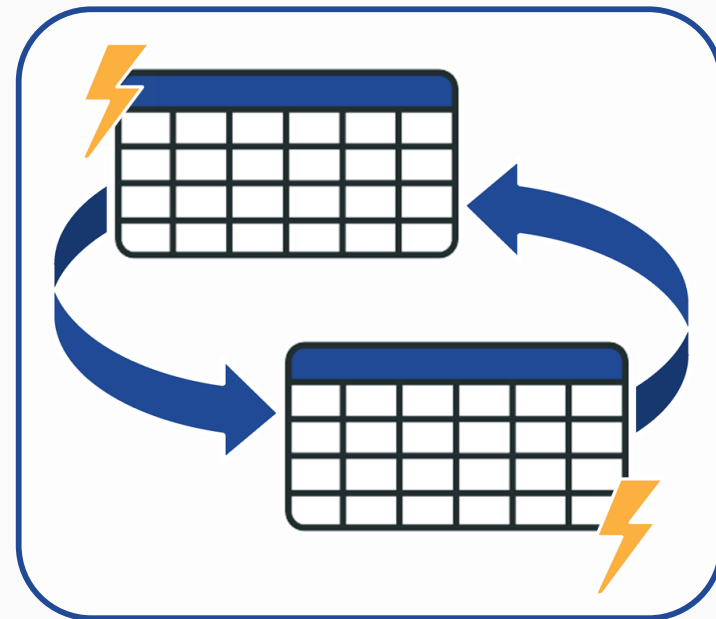
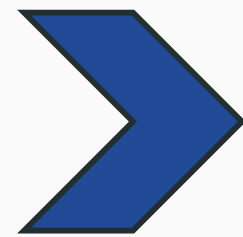
LOAD
(Transformed Tables)

P o w e r Q u e r y

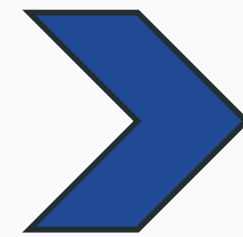
A Transformative Tool for Data



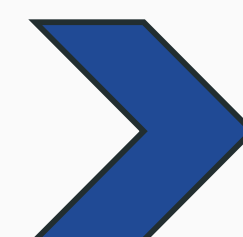
EXTRACT
(Data Sources)



TRANSFORM
(Shaping/Cleaning/Combining)



LOAD
(Transformed Tables)

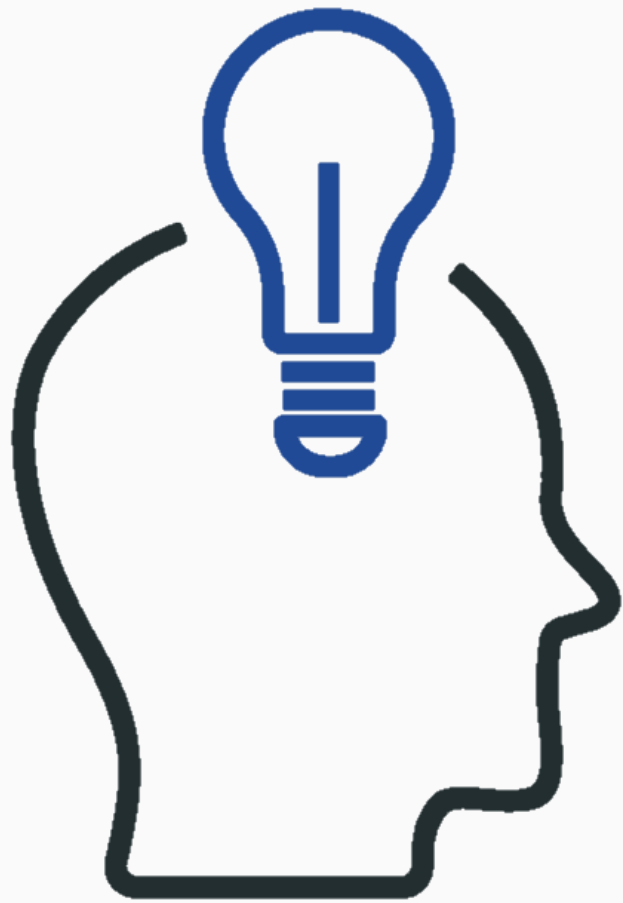


DATA MODEL
(Tables/Relationships)
("DAX" Engine)

P o w e r Q u e r y

Power Query Fundamentals

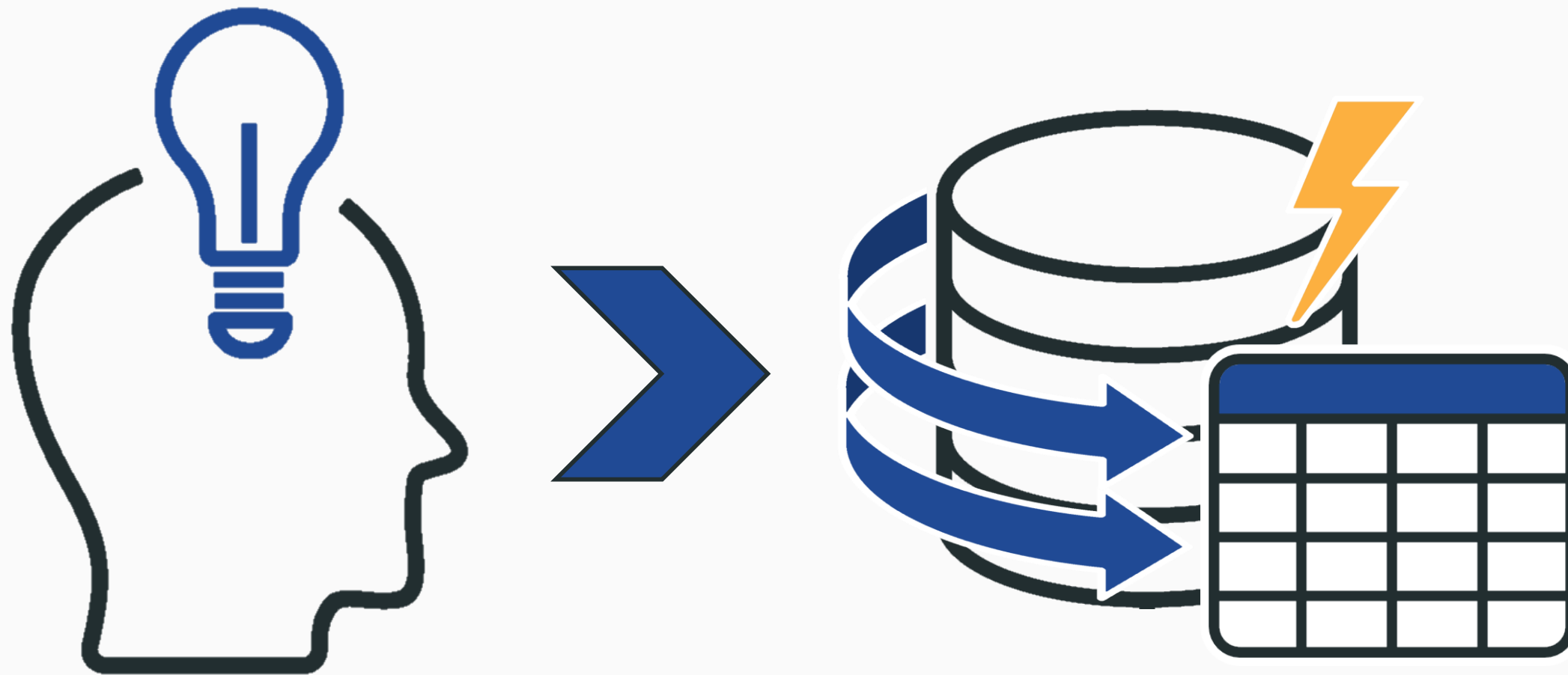
Power Query Fundamentals



BUSINESS LOGIC

(Shape, Transform, Clean)

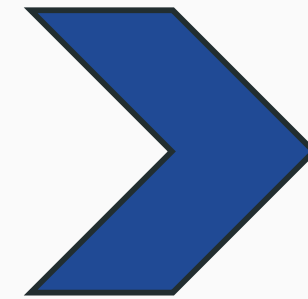
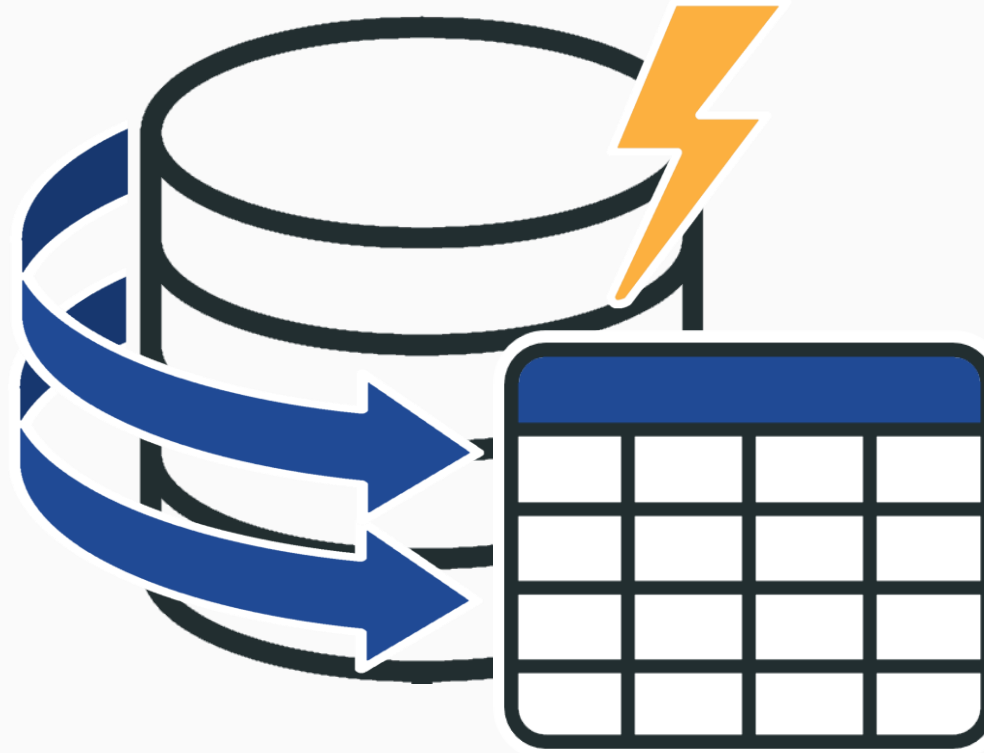
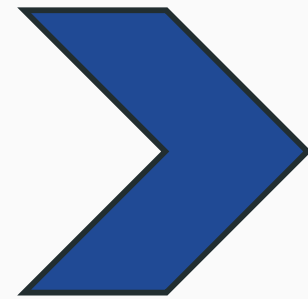
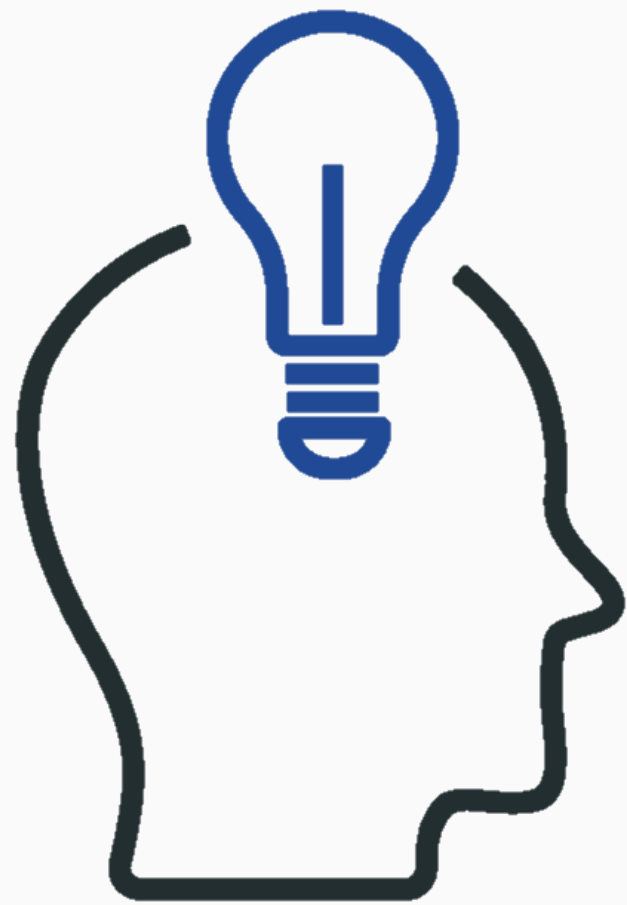
Power Query Fundamentals



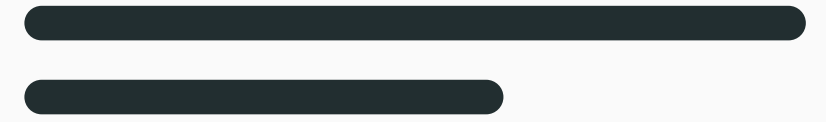
BUSINESS LOGIC
(Shape, Transform, Clean)

POWER QUERY
(Data Connector/Shaper)
("M" Engine)

Power Query Fundamentals



1)



2)



3)

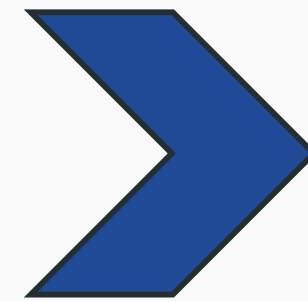
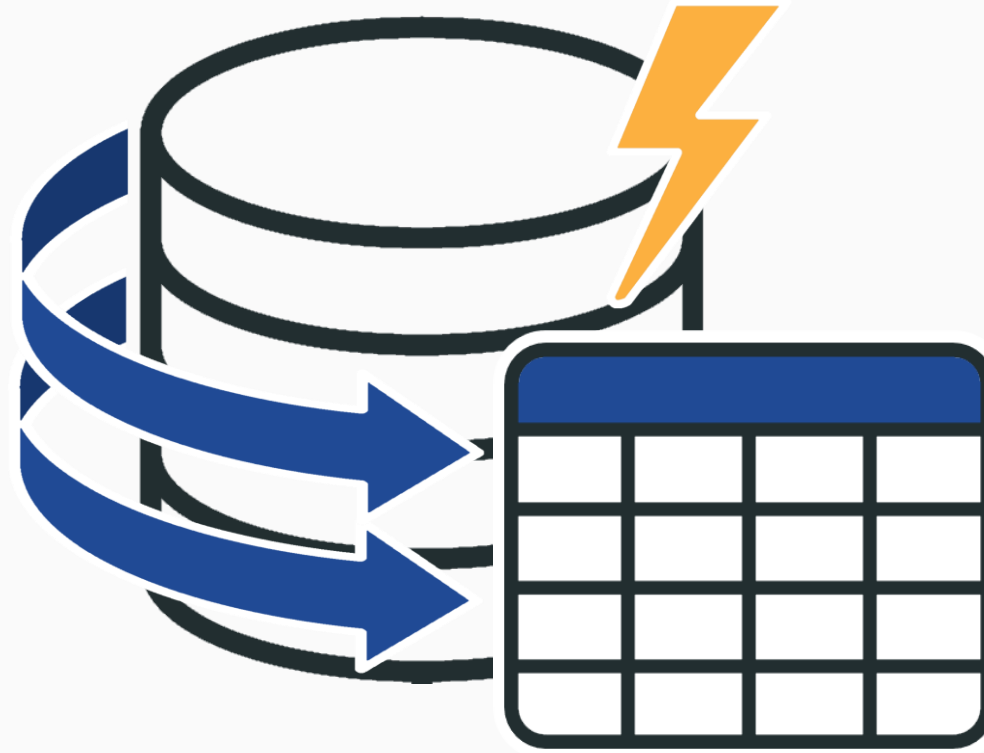
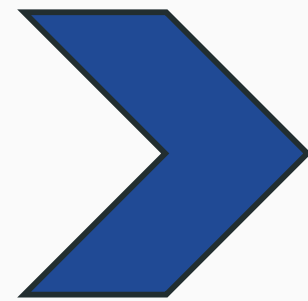
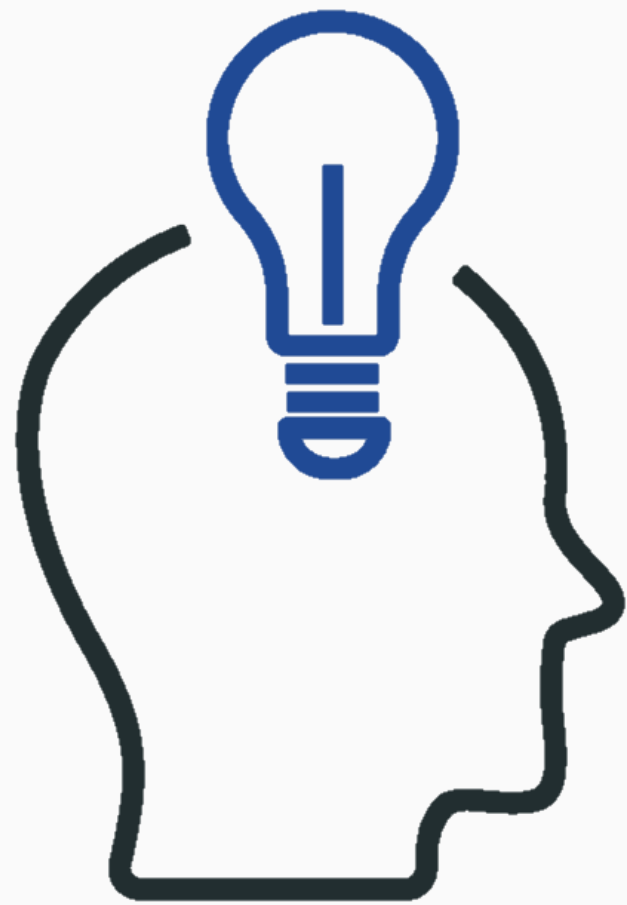


BUSINESS LOGIC
(Shape, Transform, Clean)

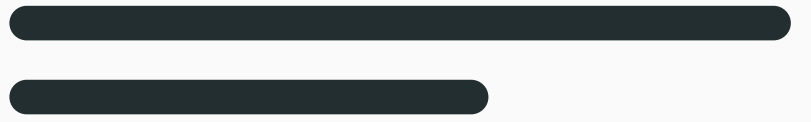
POWER QUERY
(Data Connector/Shaper)
("M" Engine)

APPLIED STEPS
(Action Recorder)
(Sequential Steps)

Power Query Fundamentals



1)



2)



3)



BUSINESS LOGIC
(Shape, Transform, Clean)

POWER QUERY
(Data Connector/Shaper)
("M" Engine)

APPLIED STEPS
(Action Recorder)
(Sequential Steps)

Essential Transformations for (Most) Tables



1)



2)



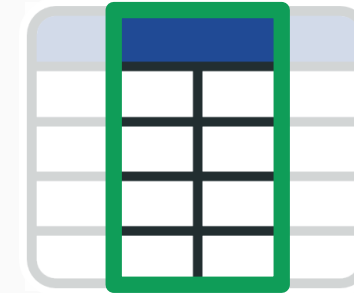
3)

APPLIED STEPS
(Action Recorder)

Essential Transformations for (Most) Tables



1) Choose Columns



2)



3)



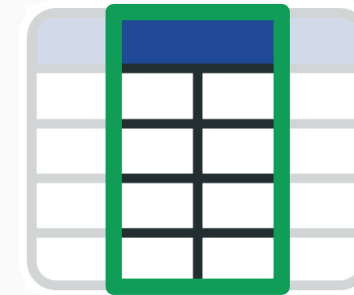
APPLIED STEPS

(Action Recorder)

Essential Transformations for (Most) Tables



1) Choose Columns



2) Rename Columns

Prod_Name → Product Name



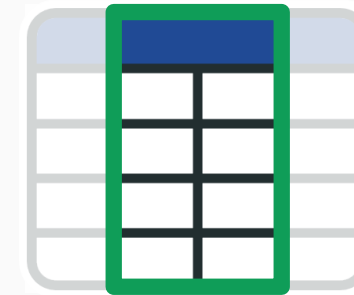
3)

APPLIED STEPS
(Action Recorder)

Essential Transformations for (Most) Tables



1) Choose Columns

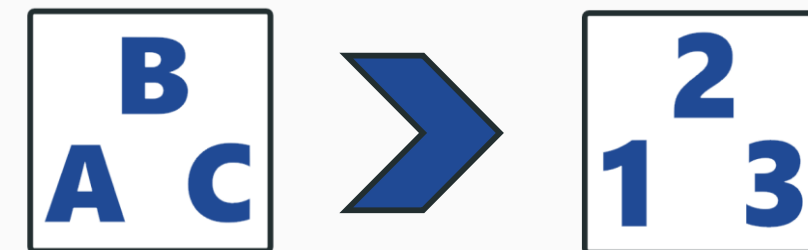


2) Rename Columns

Prod_Name → Product Name



3) Change Data Type



APPLIED STEPS
(Action Recorder)

Intelligent Data Filtering with Power Query

Next Video