

09 EN Excel Pivot Table _____ 2

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11 EN Excel Pivot Charts _____ 4

EXCEL PIVOT TABLE: DATA SUMMARIZATION & ANALYSIS FRAMEWORK

Conceptual Flow: From Raw Dataset to Synthesized Insight

INPUT (RAW DATA SOURCE)

RAW DATASET (SOURCE TABLE)						
A	B	C	D	E	F	
1	Date	Region	Product	Sales Rep	Units Sold	Revenue (\$)
2	2024-01-15	North	Widget A	Smith	10	500
3	2024-01-16	South	Widget B	Jones	5	250
4	2024-01-17	East	Widget C	Smith	150	
5	2024-01-18	North	Widget D	Jones	5	250
6	2024-01-20	South	Widget A	Smith	10	1,000
7	2024-01-21	East	Widget B	Jones	3	150
9	2024-01-22	West	Widget C	Smith	10	500
10	2024-01-24	South	Widget D	Jones	3	300

POTENTIAL ERROR
(Missing Value)

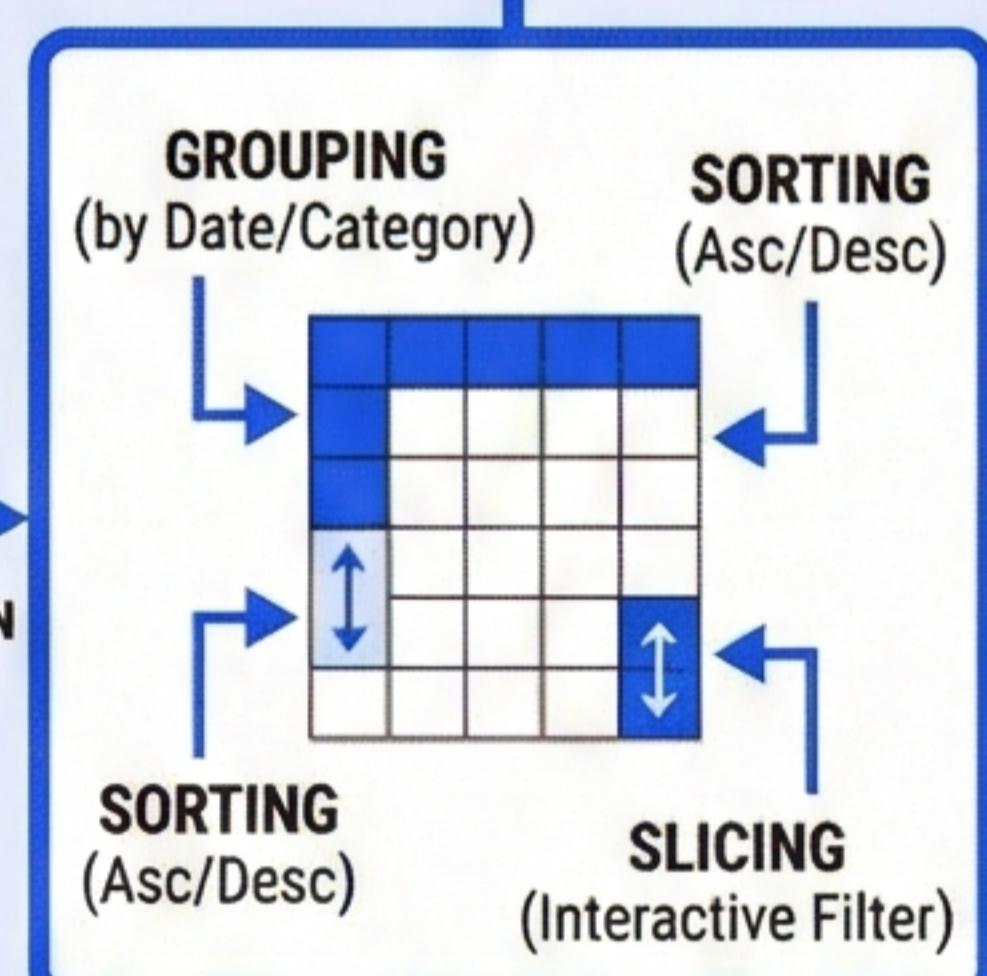
DATA EXTRACTION &
TRANSFORMATION FLOW

TRANSFORMATION (THE PIVOT ENGINE)

PIVOT TABLE ENGINE (PROCESSING CORE)



AGGREGATION &
CALCULATION
(SUMMARIZE)



CALCULATION LOGIC

OUTPUT (THE PIVOT REPORT)

FINAL PIVOT TABLE REPORT (ANALYSIS VIEW)

ACTIVE FILTER
(e.g., 'North' &
'South' only)

Region	Product			Grand Total
	Widget A	Widget B	Widget C	
North	15,000	5,000	5,000	15,000
South	5,000	10,000	7,000	25,000
East	3,000	3,000	4,000	18,000
West	4,000	5,000	3,000	10,000
Grand Total	16,000	20,000	26,000	55,000

AGGREGATED VALUE
(e.g., Sum of Revenue)

OVERALL SUMMARY
(Grand Total)

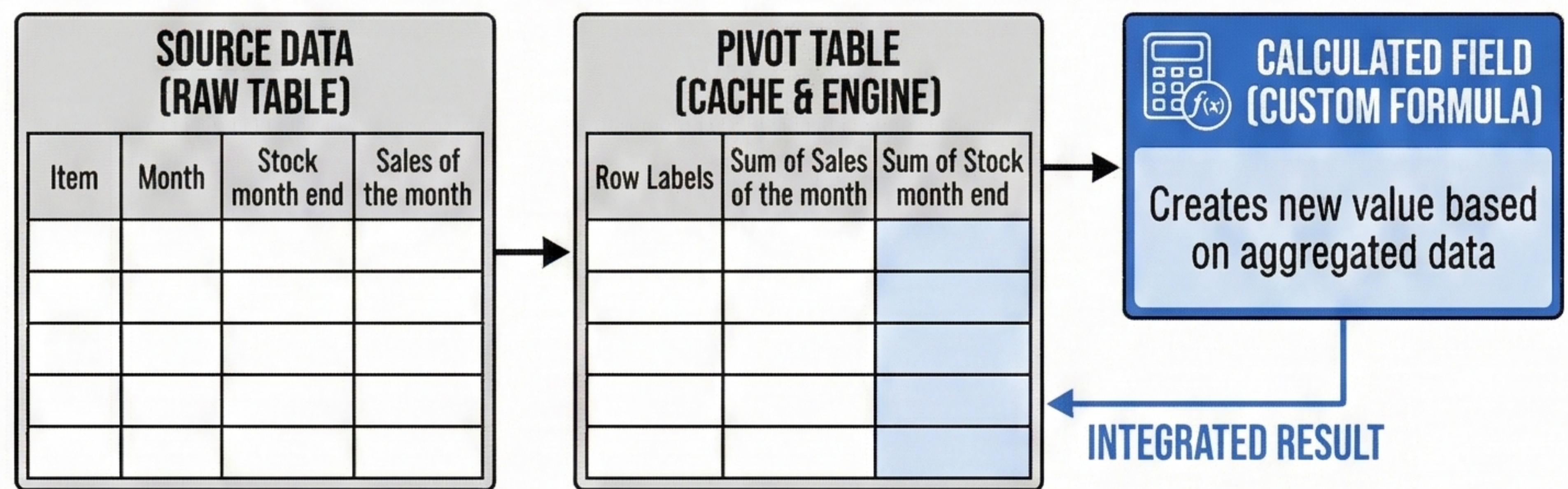


FURTHER ANALYSIS & REPORTING
(Visualization / Dashboard)

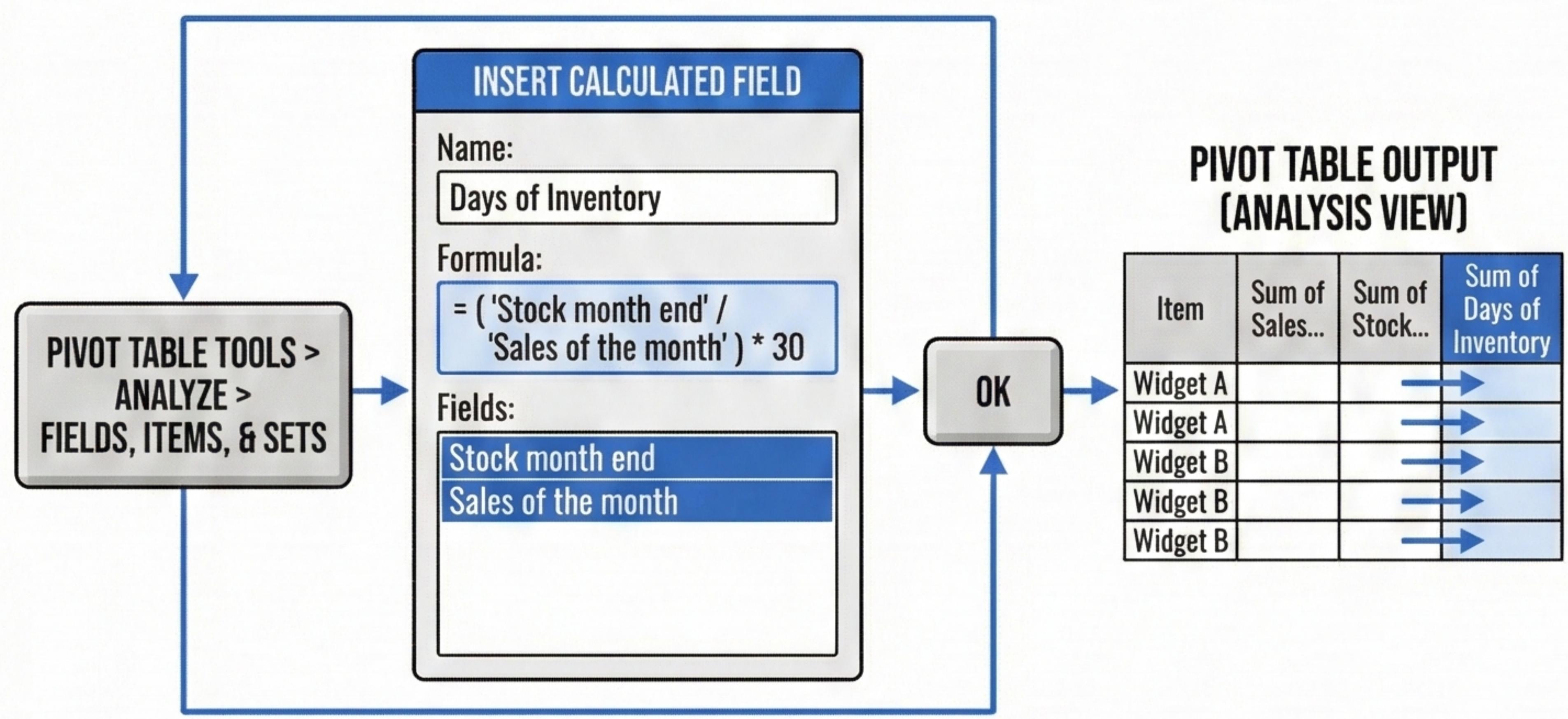
EXCEL PIVOT TABLE: CALCULATED FIELD CONCEPT

Enabling dynamic custom calculations within the pivot cache, not the source data.

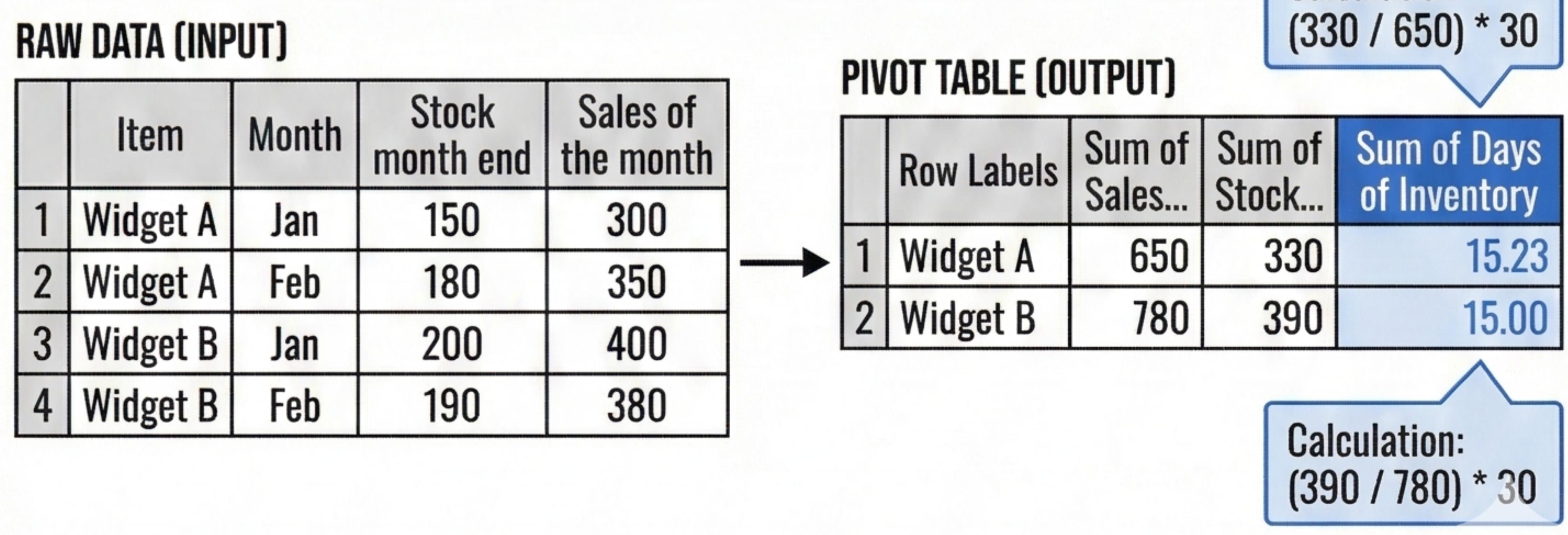
1. CONCEPTUAL FRAMEWORK



2. DEFINITION & EXECUTION FLOW



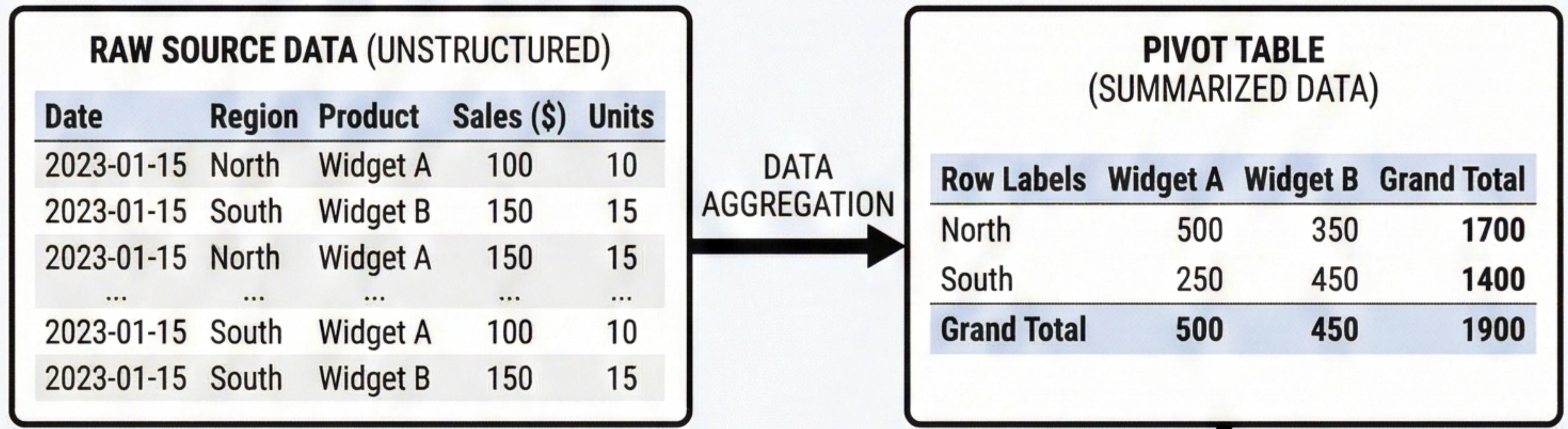
3. APPLIED EXAMPLE: DAYS OF INVENTORY



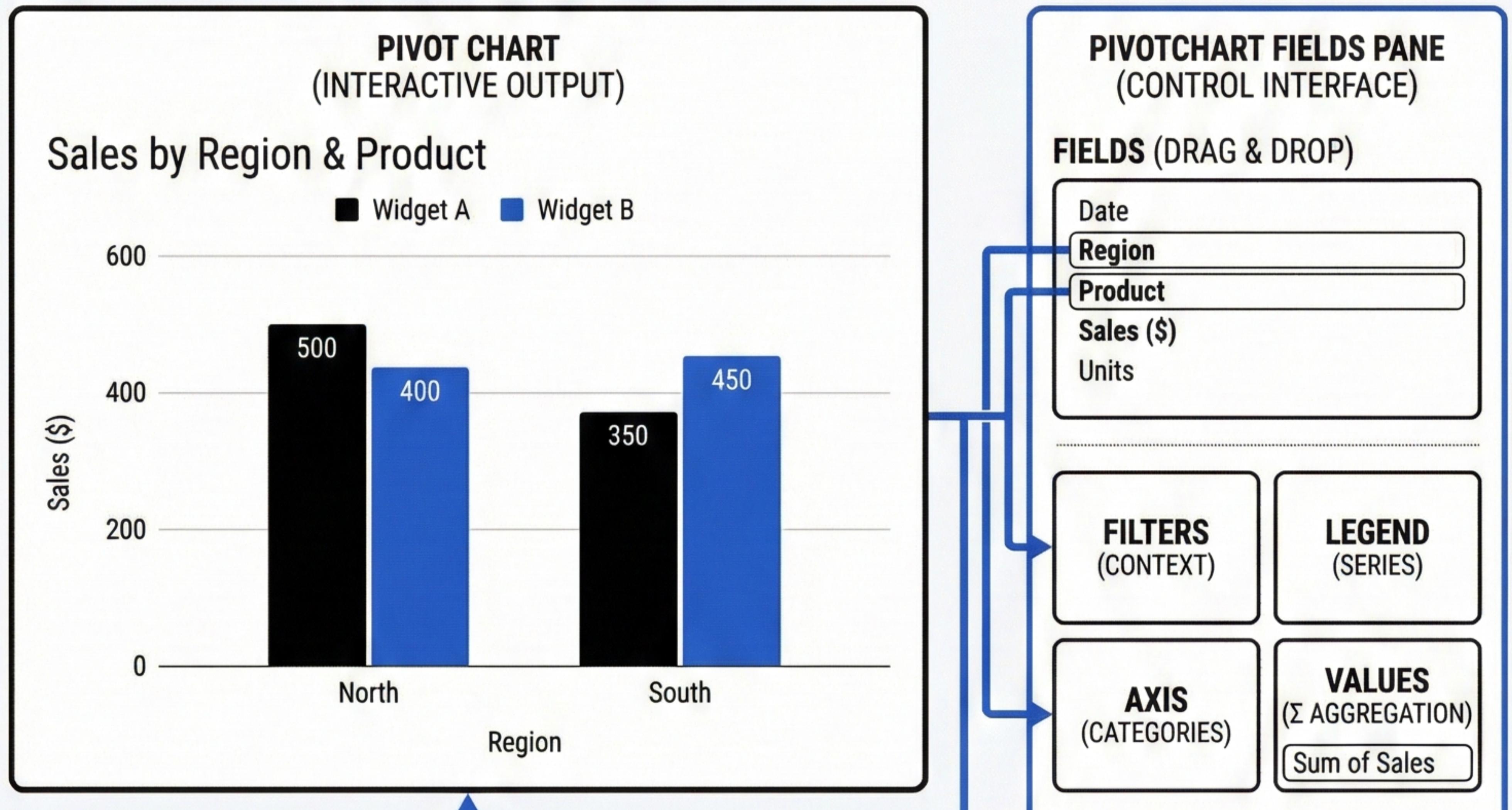
EXCEL PIVOT CHARTS: DYNAMIC DATA VISUALIZATION FRAMEWORK

Interactive charts linked to Pivot Tables for summarizing, analyzing, and presenting large datasets.
Changes in the Pivot Table or Slicers immediately reflect in the chart.

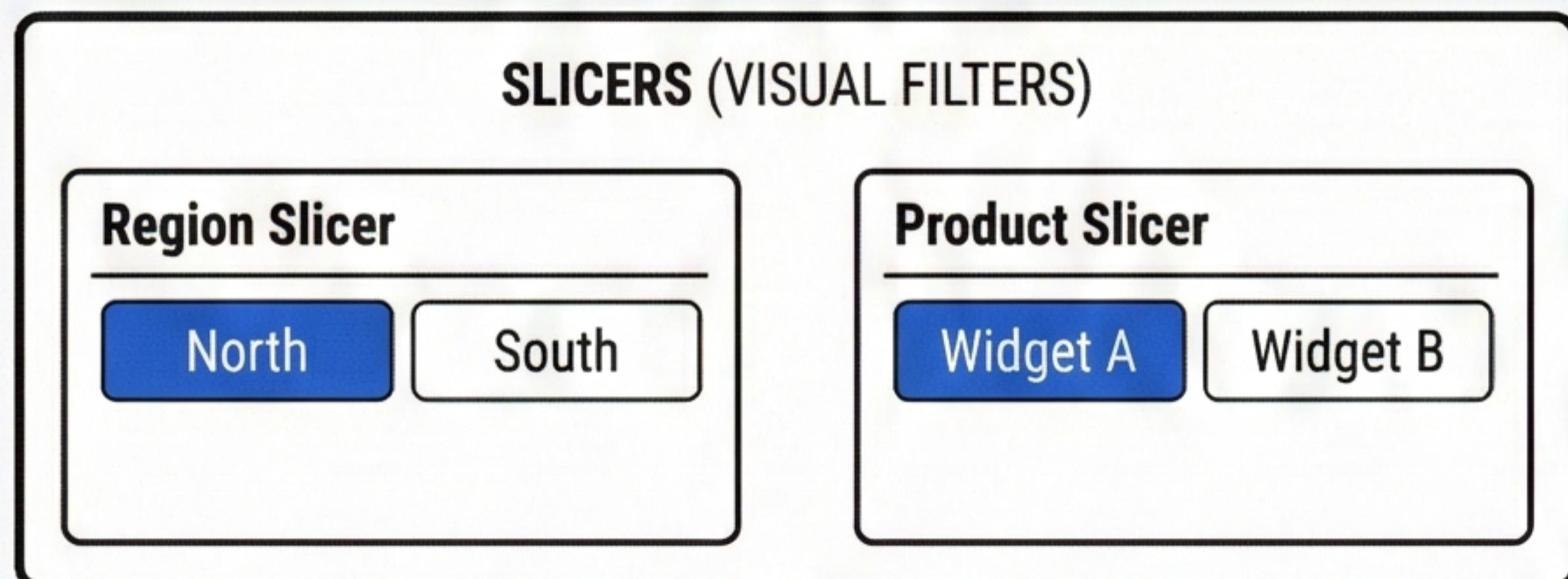
1. THE FOUNDATION: SOURCE DATA & PIVOT TABLE



2. THE PIVOT CHART (DYNAMIC VISUALIZATION)



3. INTERACTIVITY & FILTERING (SLICERS)



4. CORE BENEFITS (COGNITIVE EFFICIENCY)

