

07 EN Excel SUMIF versus SUMIFS \_\_\_\_\_ 2

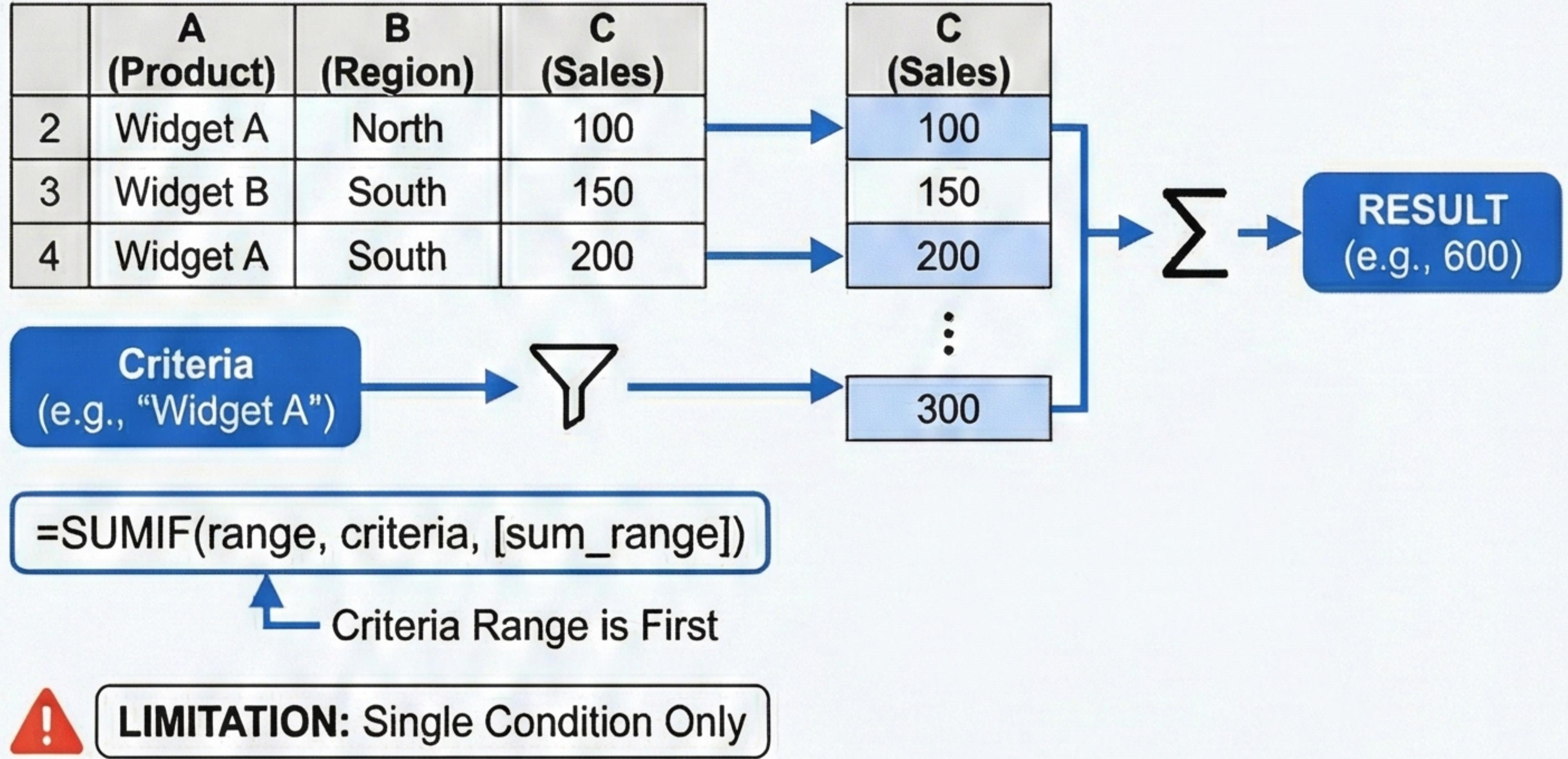
08 EN Excel Advanced SUMIFS \_\_\_\_\_ 3

# EXCEL SUMMATION FUNCTIONS: SUMIF vs. SUMIFS

A Comparative Analysis of Single-Condition (SUMIF) and Multi-Condition (SUMIFS) Summation Approaches for Management Data Analysis

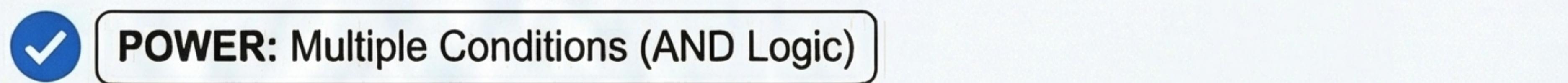
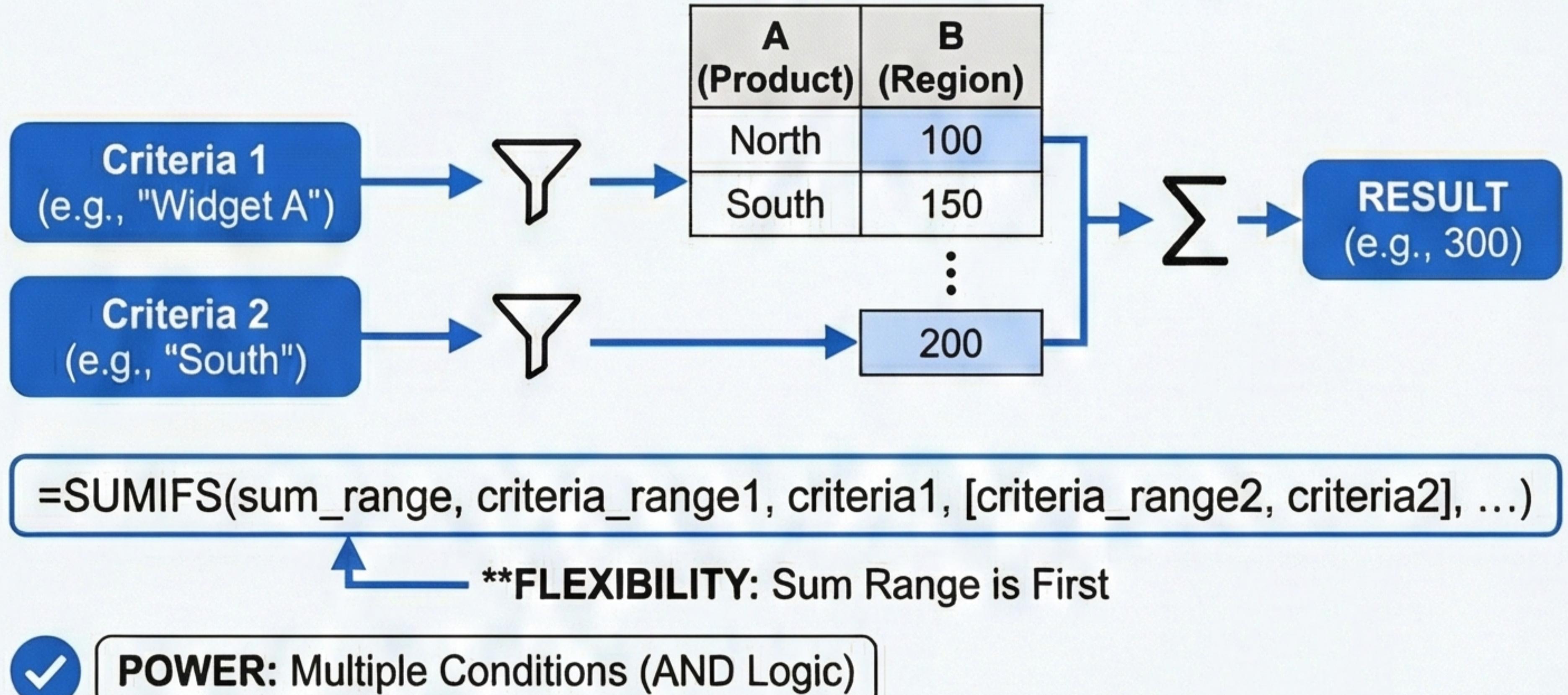
## SECTION 1: SUMIF (SINGLE CONDITION SUMMATION)

SOURCE TABLE (Data Range)



## SECTION 2: SUMIFS (MULTIPLE CONDITIONS SUMMATION)

SOURCE TABLE (Data Range)



## SECTION 3: COMPARATIVE SUMMARY (KEY DIFFERENCES)

FEATURE	SUMIF	SUMIFS
Number of Conditions	Single (1) <span style="color:red;">!</span>	Multiple (1 to 127) <span style="color:green;">✓</span>
Syntax Order	Range, Criteria, Sum Range <span style="color:red;">✗</span>	Sum Range, Criteria Range1, Criteria1... <span style="color:green;">✓</span>
Flexibility	Limited <span style="color:red;">✗</span>	High (AND Logic) <span style="color:green;">✓</span>
Complexity	Simpler	Slightly Higher

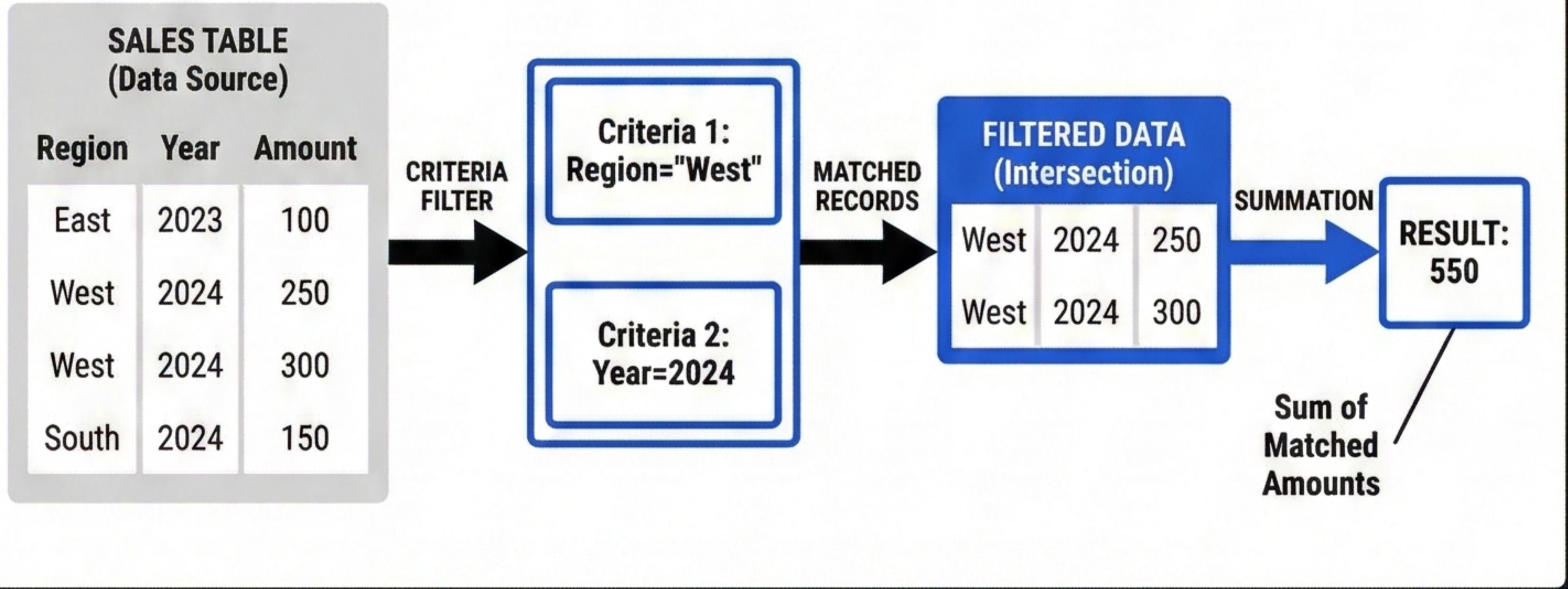
# ADVANCED SUMIFS IN EXCEL:

## Modular Approach for Complex Data Aggregation.

### Focus on Logic & Flow.

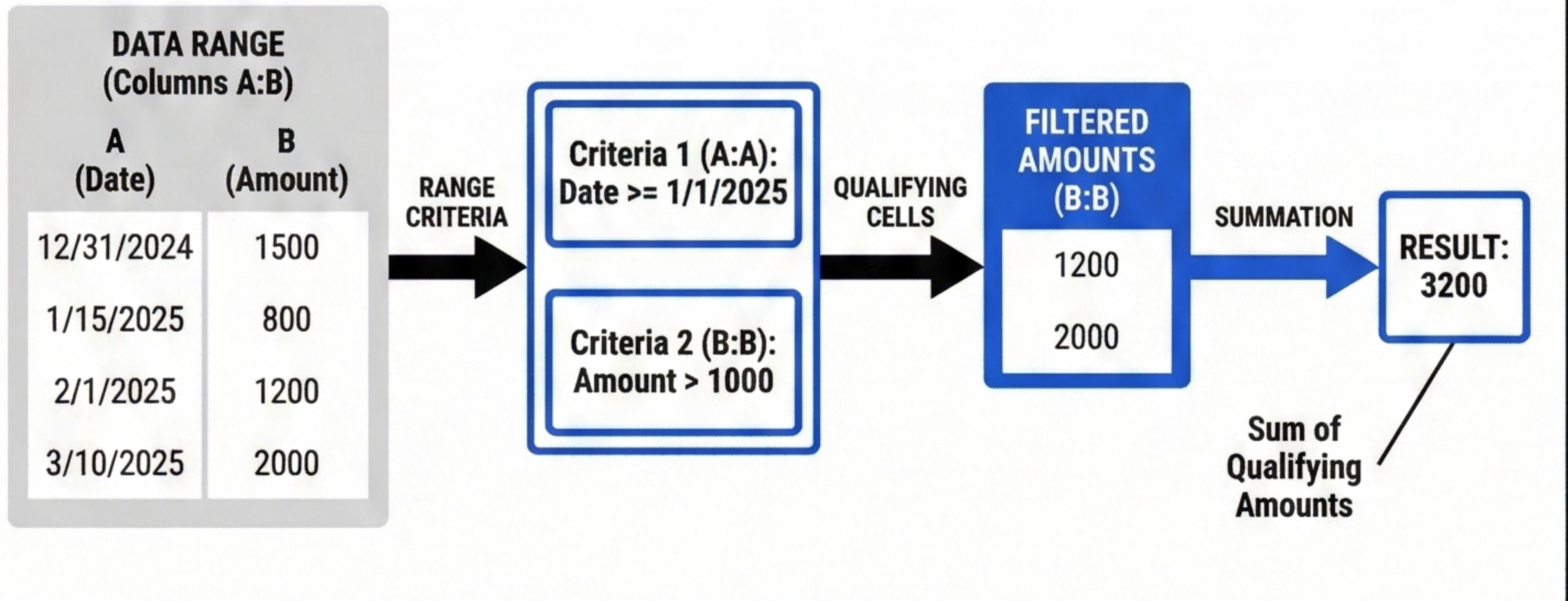
#### 1. MULTIPLE CRITERIA (AND LOGIC)

Formula: =SUMIFS(Sales[Amount], Sales[Region], "West", Sales[Year],2024)



#### 2. DATE & VALUE RANGES

Formula: =SUMIFS(B:B, A:A, ">=1/1/2025", B:B, ">1000")



#### 3. ARRAY CONSTANT (OR LOGIC)

Formula: =SUM(SUMIFS(C:C, A:A, {"East","West"}))

