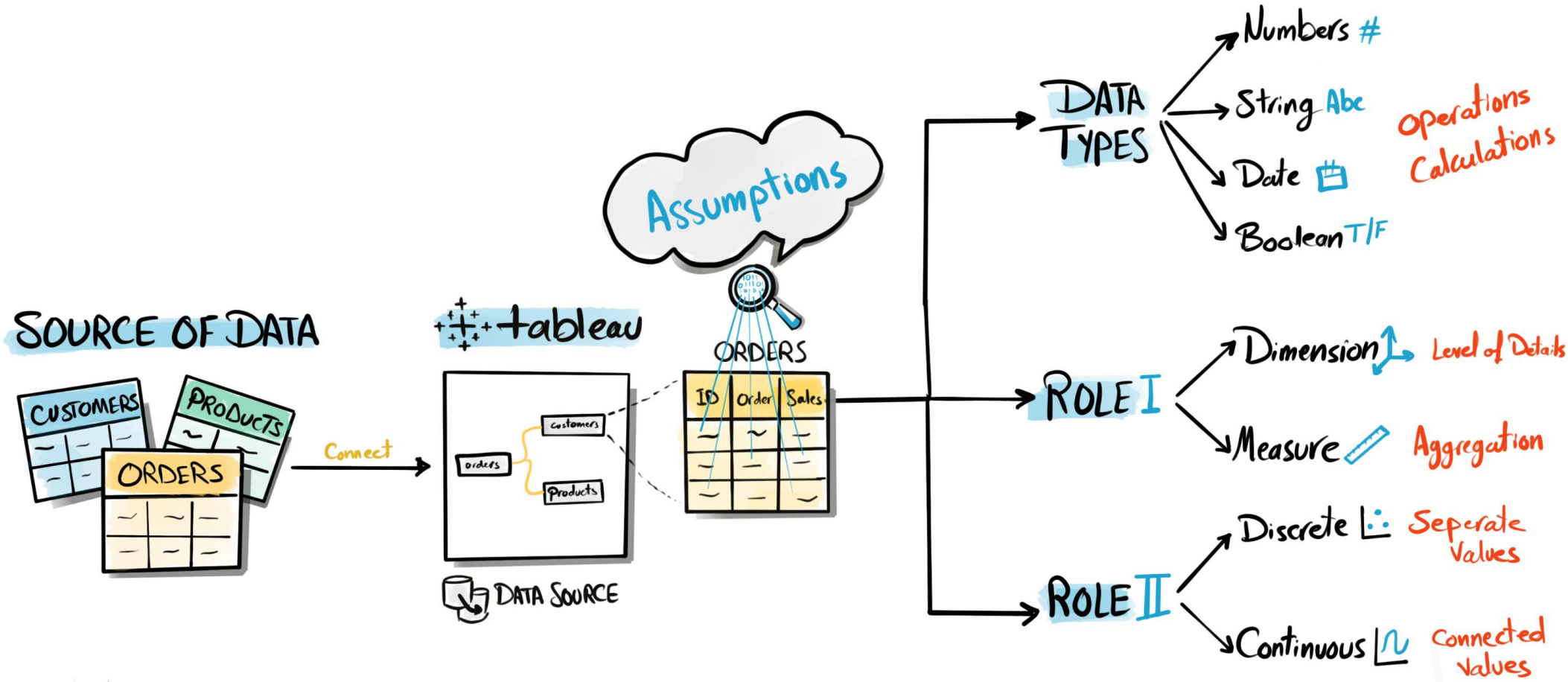
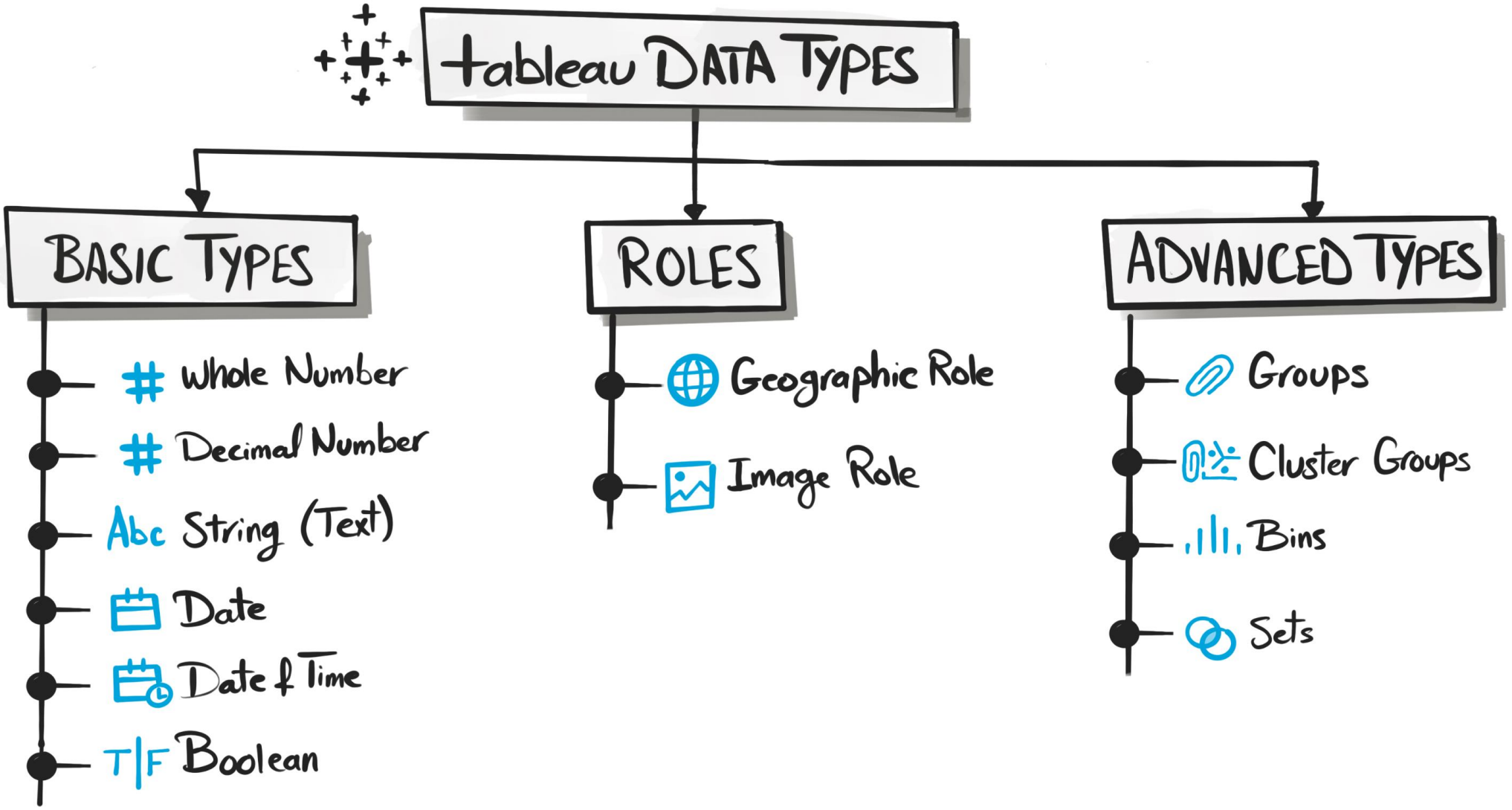
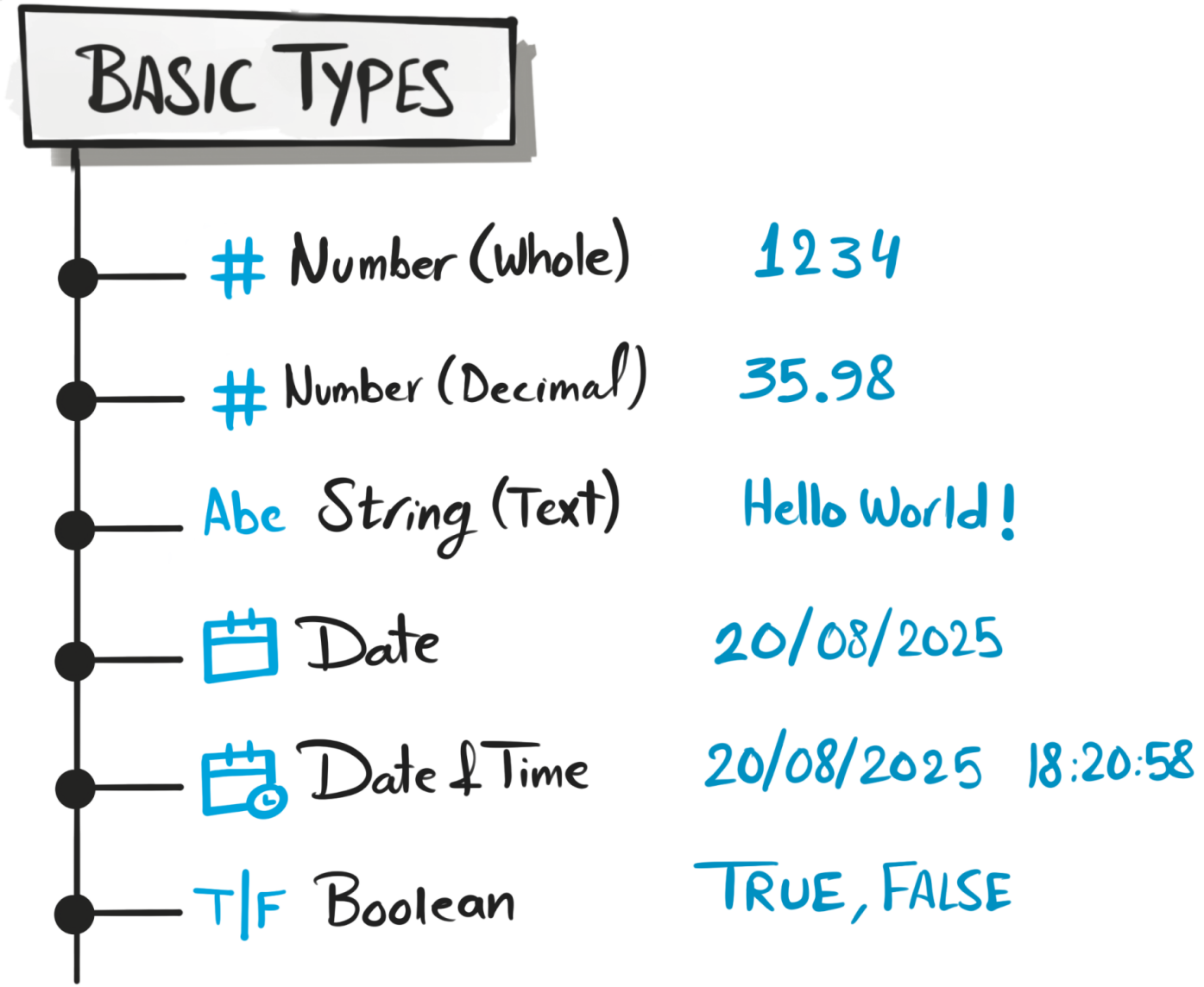
# Tableau Metadata



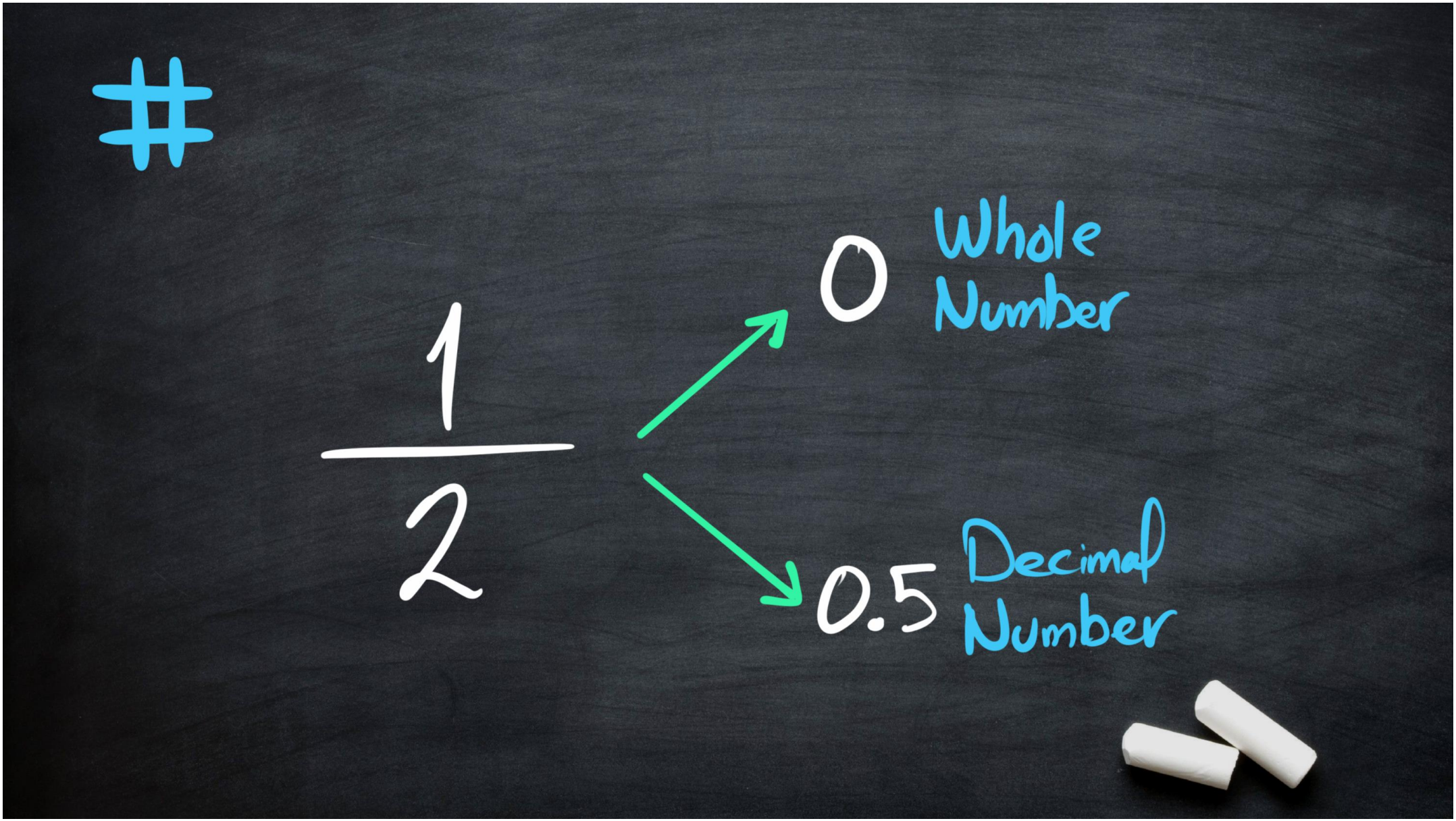
# Tableau Data Types



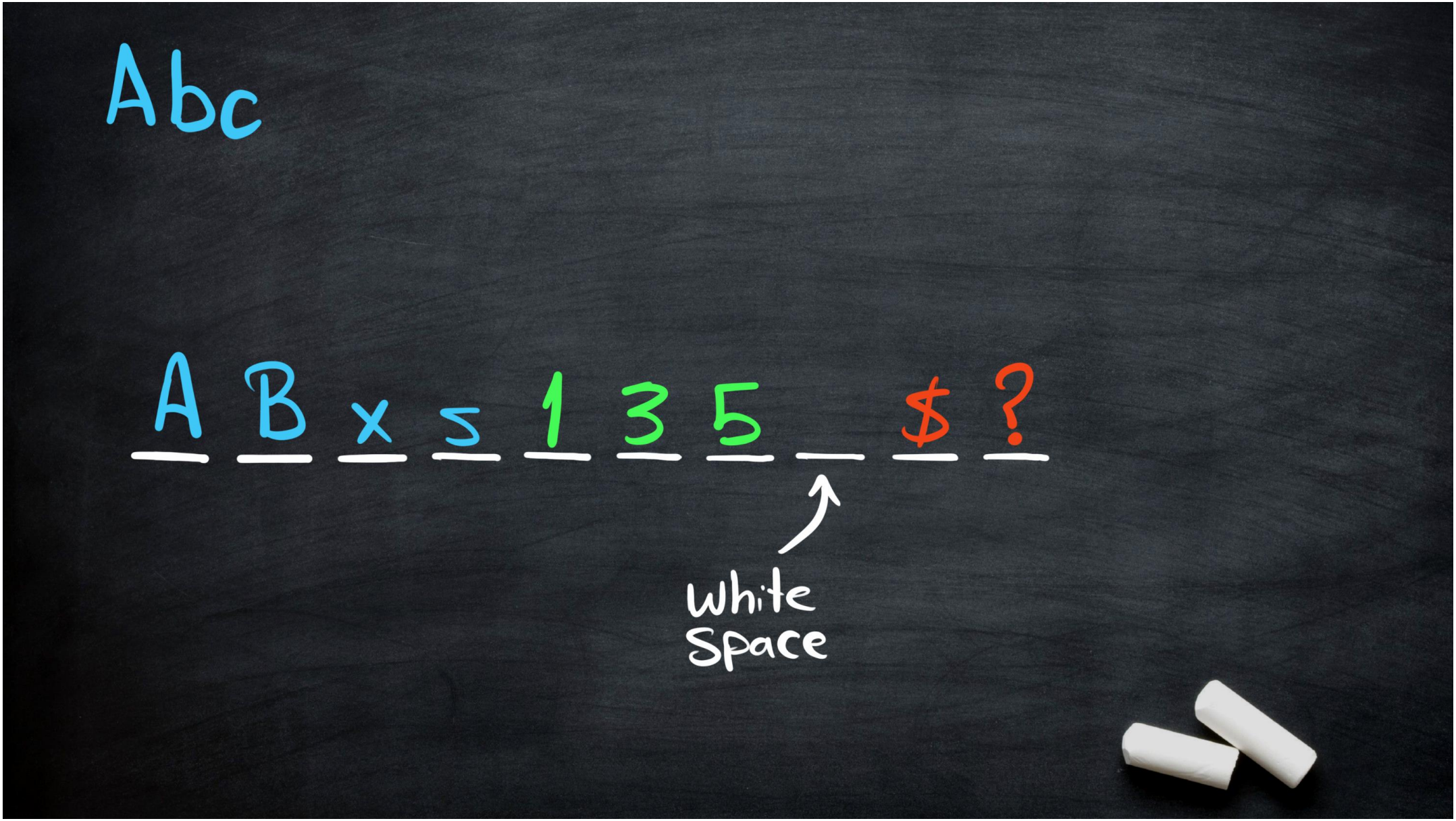
# Basic Data Types



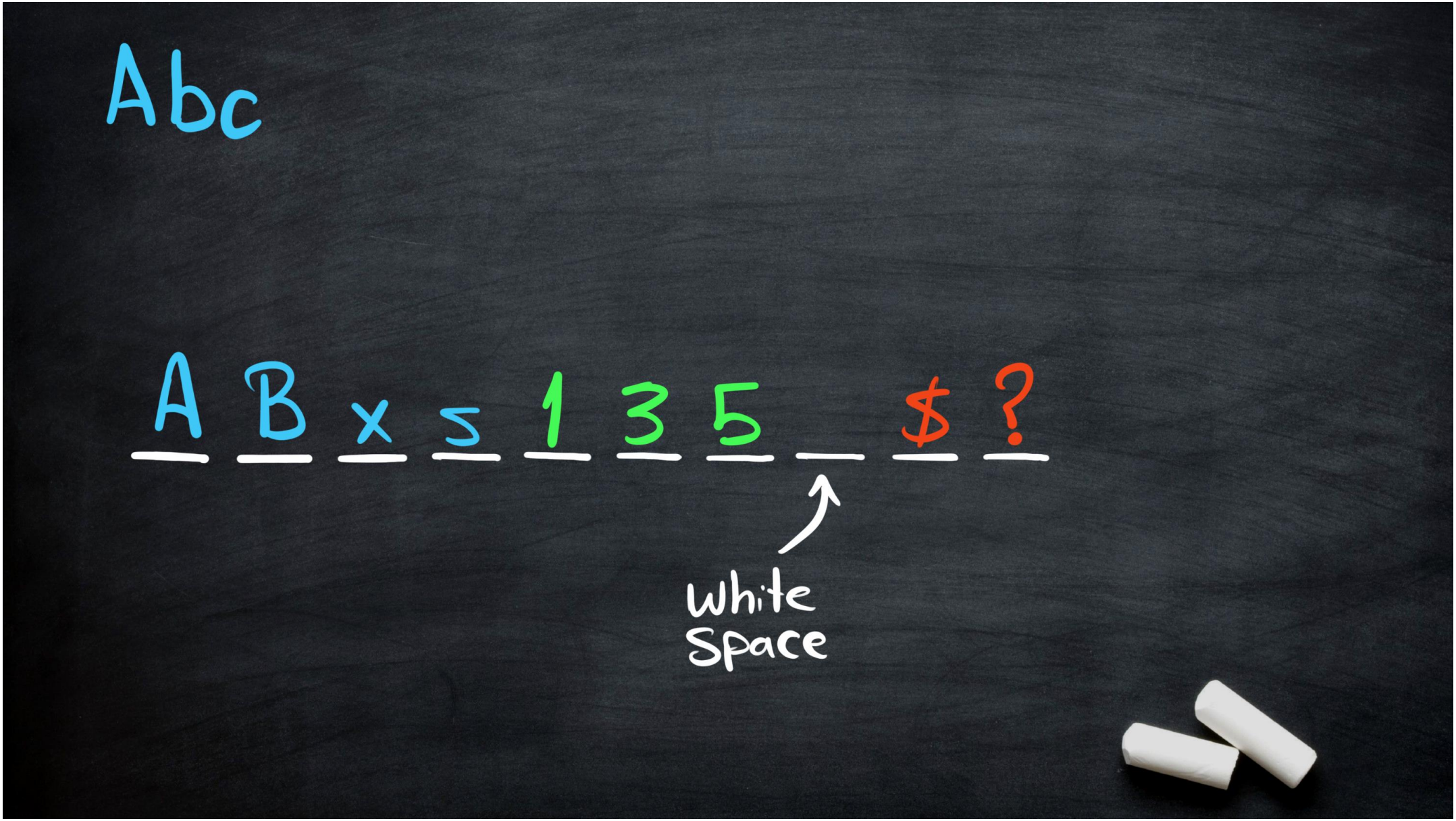
# Data Type | Number



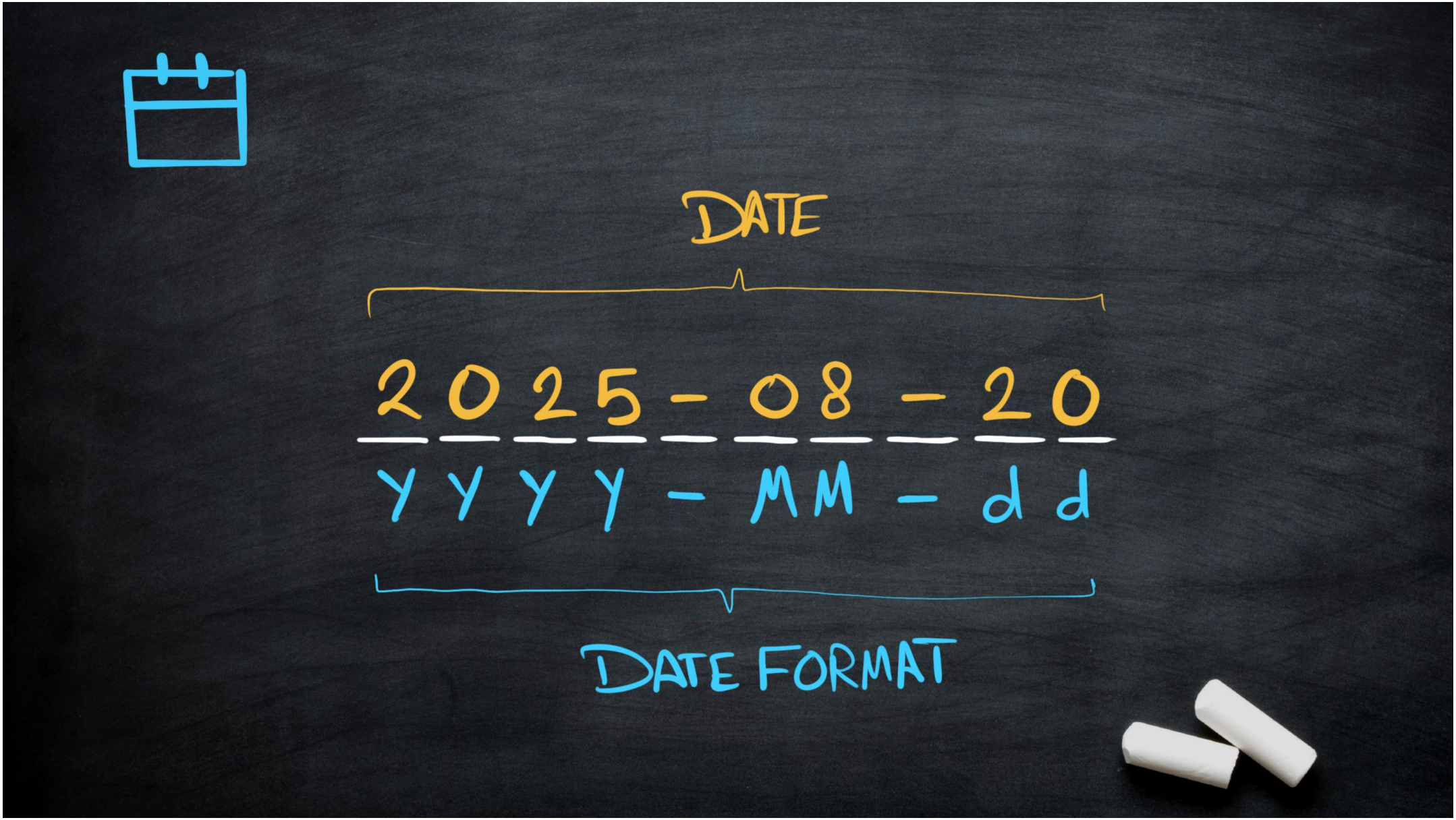
# Data Type | String



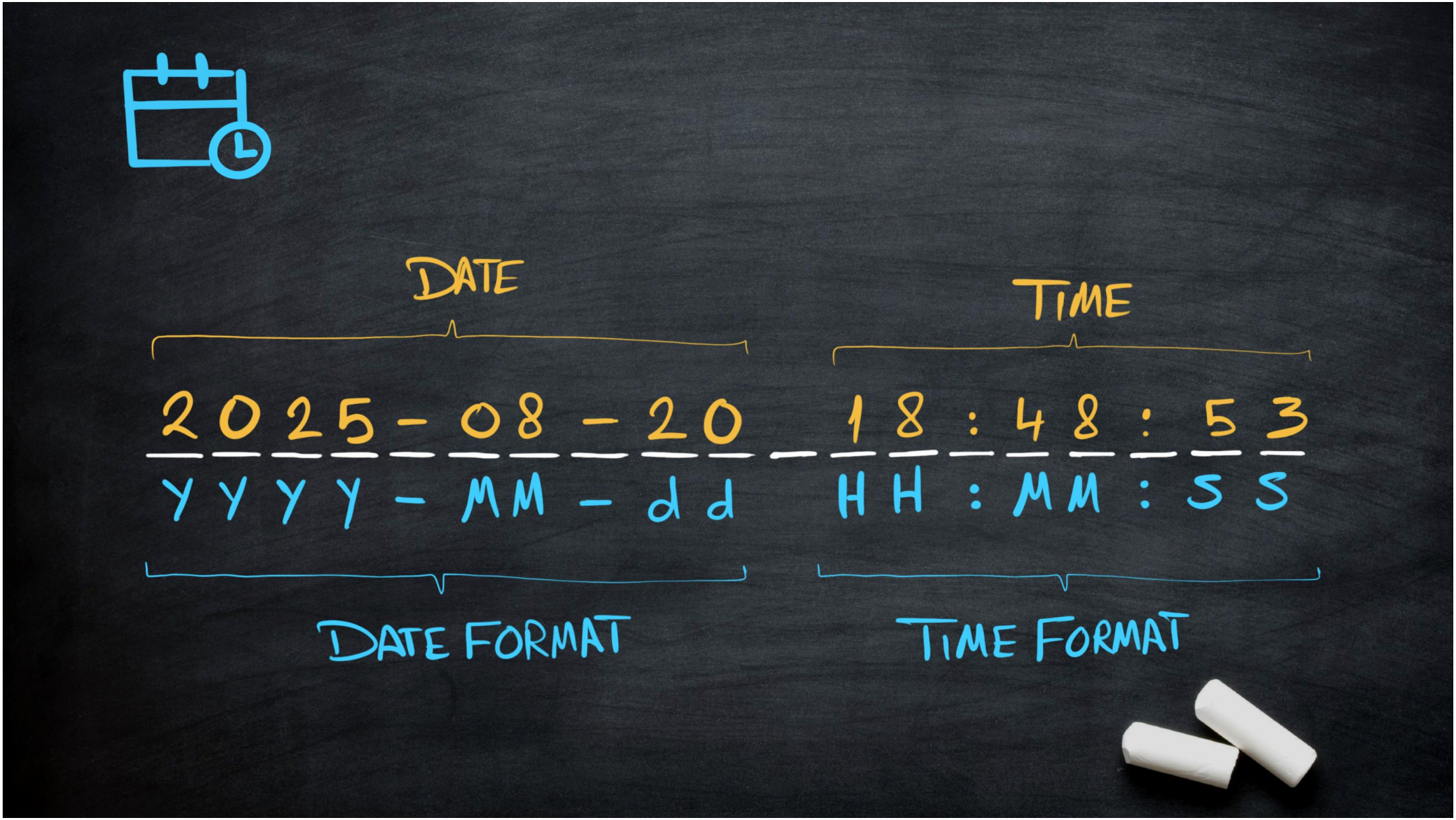
# Data Type | String



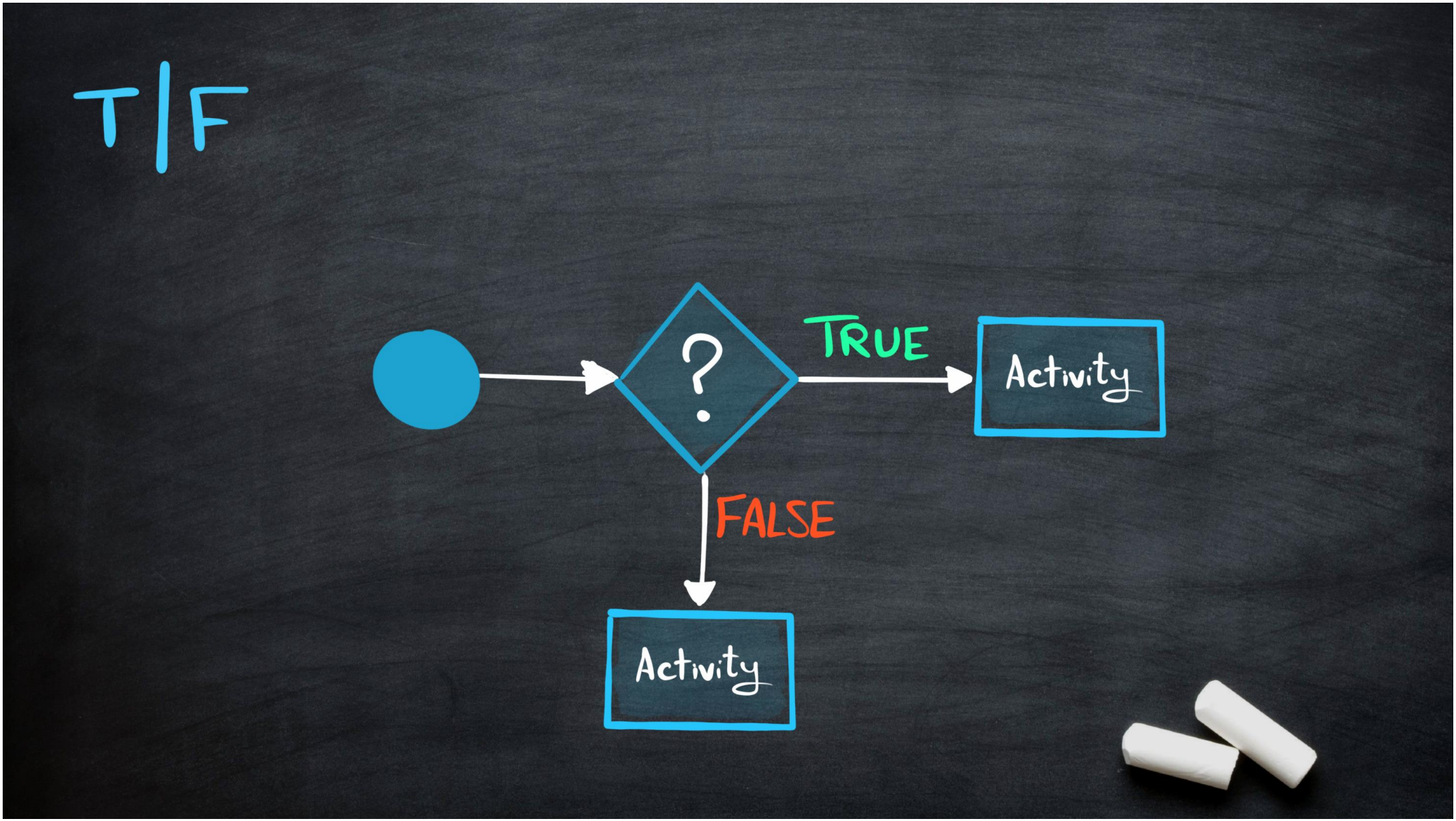
# Data Type | Date



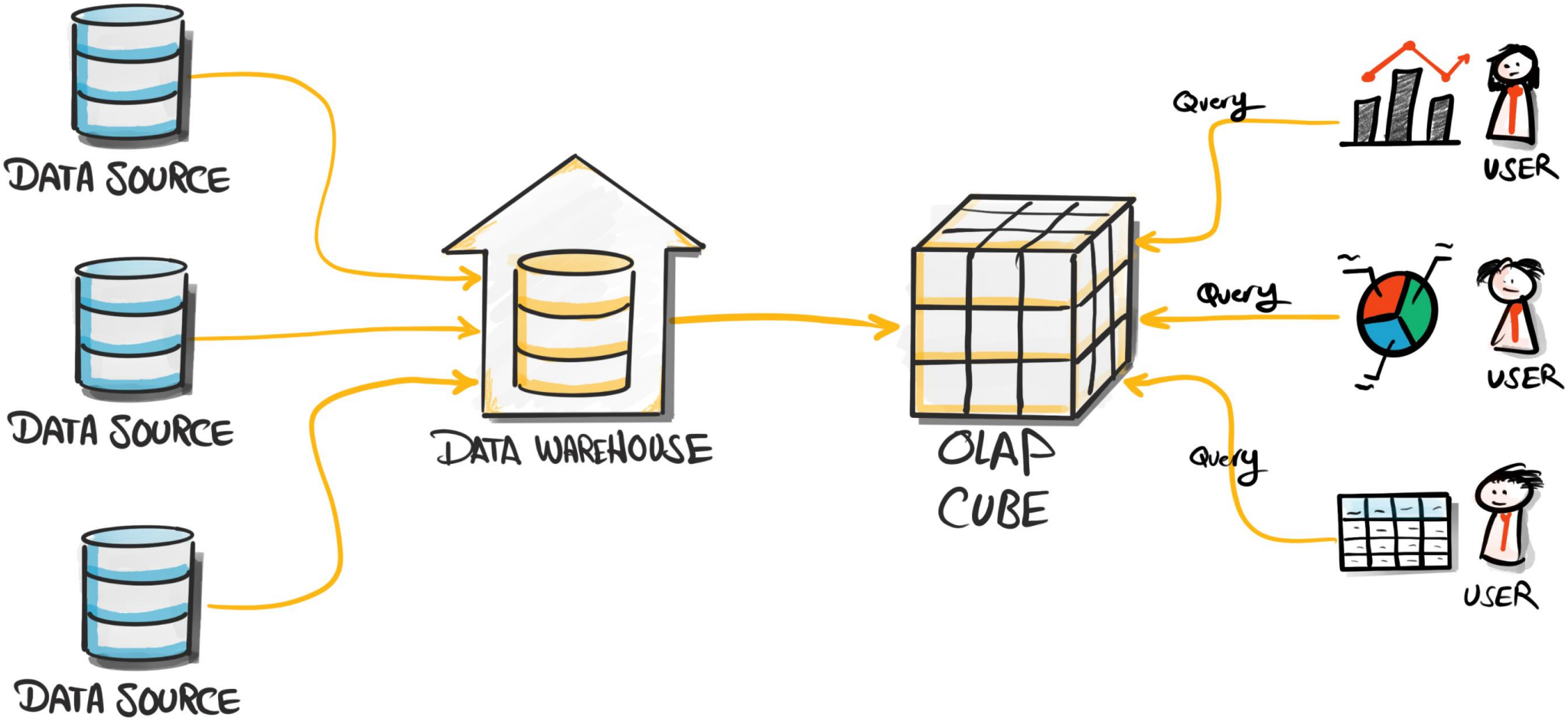
# Data Type | Date & Time

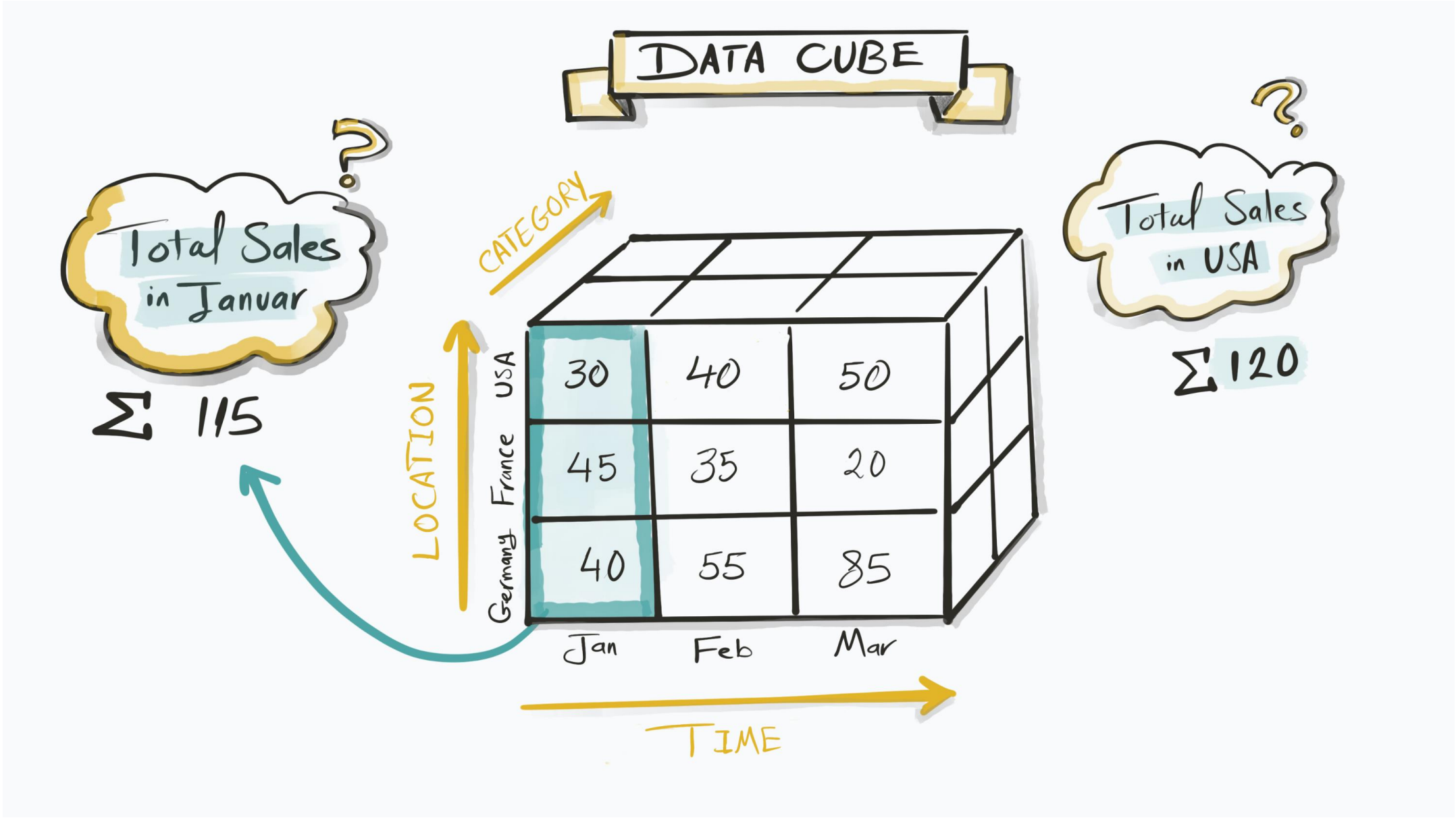


# Data Type | Boolean

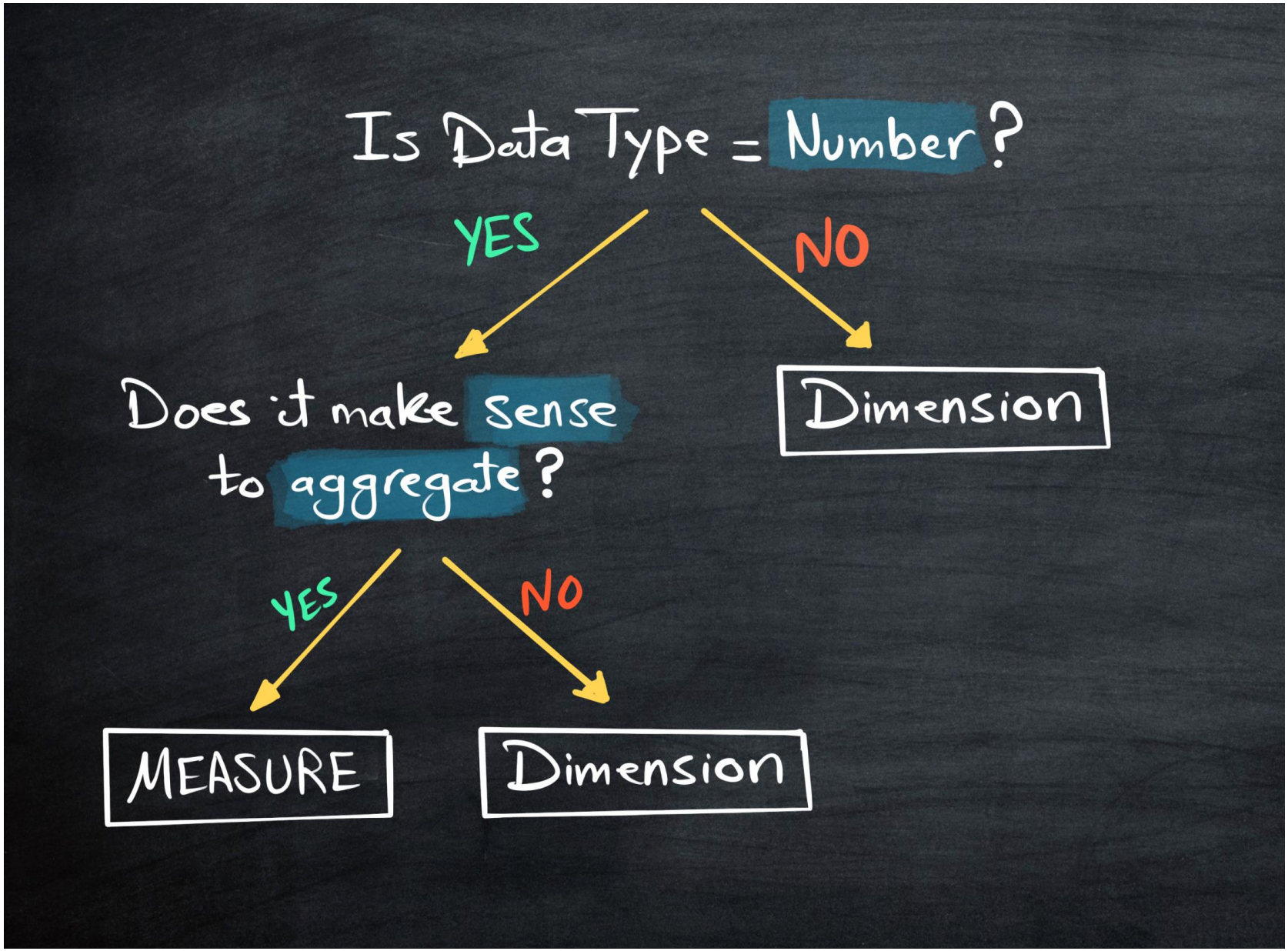


# Online Analytical Processing (OLAP)




DATA CUBE
Total Sales in Januar
Σ 115
CATEGORY
LOCATION
TIME
USA
France
Germany
Jan
Feb
Mar
30
40
50
45
35
20
40
55
85
Total Sales in USA
Σ 120

# Dimensions vs Measures

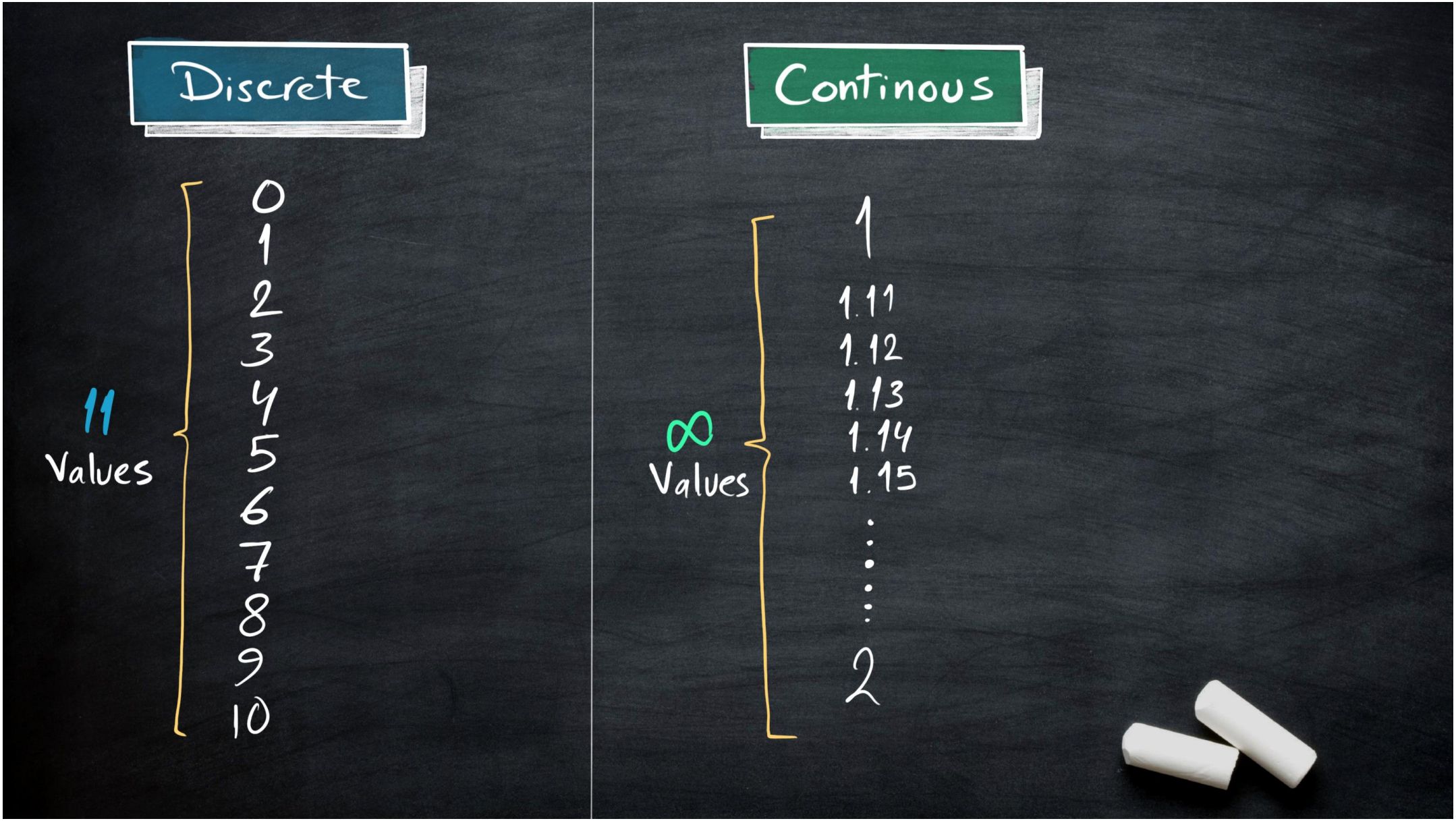


# Dimensions vs Measures

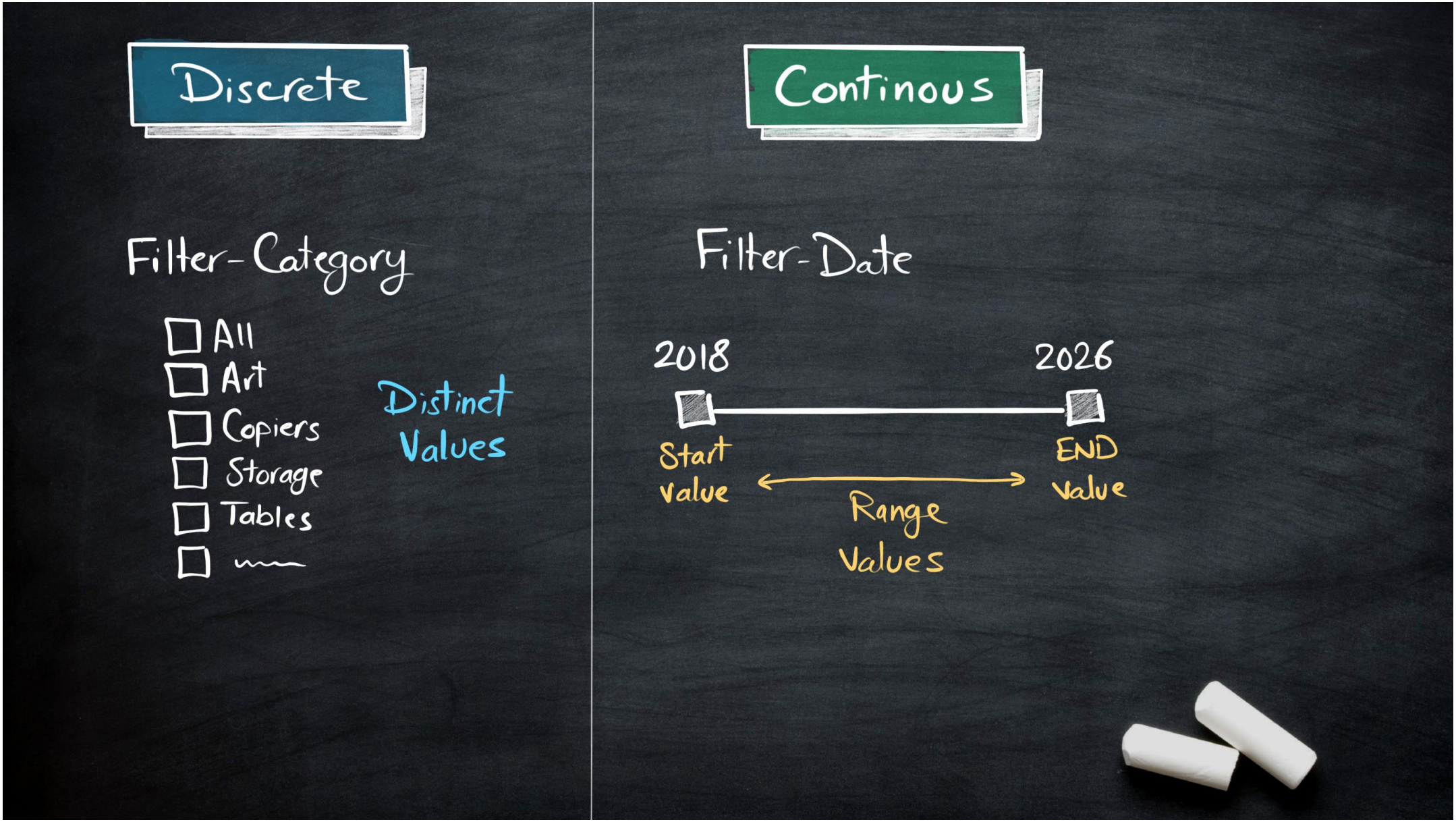
DATA WITH BARAA

| tableau | Dimensions | Measures |
|---|---|---|
| Definition | Descriptive Values | Quantitative Values |
| Example | Category, Country, ID | Sales, Profit, Quantity |
| Aggregation | Can Not be aggregated | Aggregable [SUM, AVG, MIN, MAX] |
| Data Types | [String (Abc), Date, Boolean (T\|F), Number (#)] | [Number (#)] |
| Role of Analysis | Filtering, Grouping, Organising Data | Calculations & Numerical Analysis |
| Granularity | LOD: Level of Details | Determine Quantity being Measured |

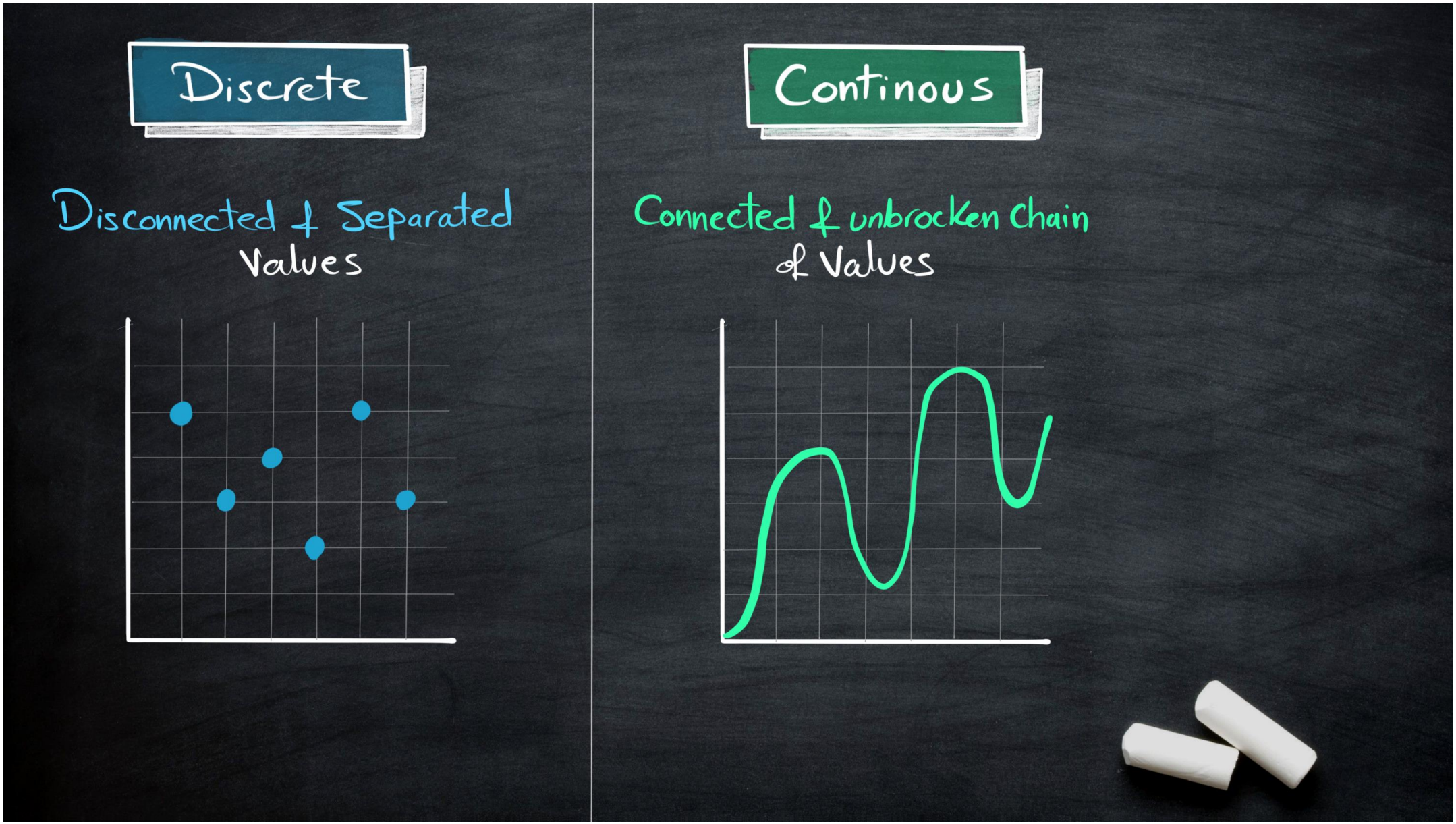
# Discrete vs Continous



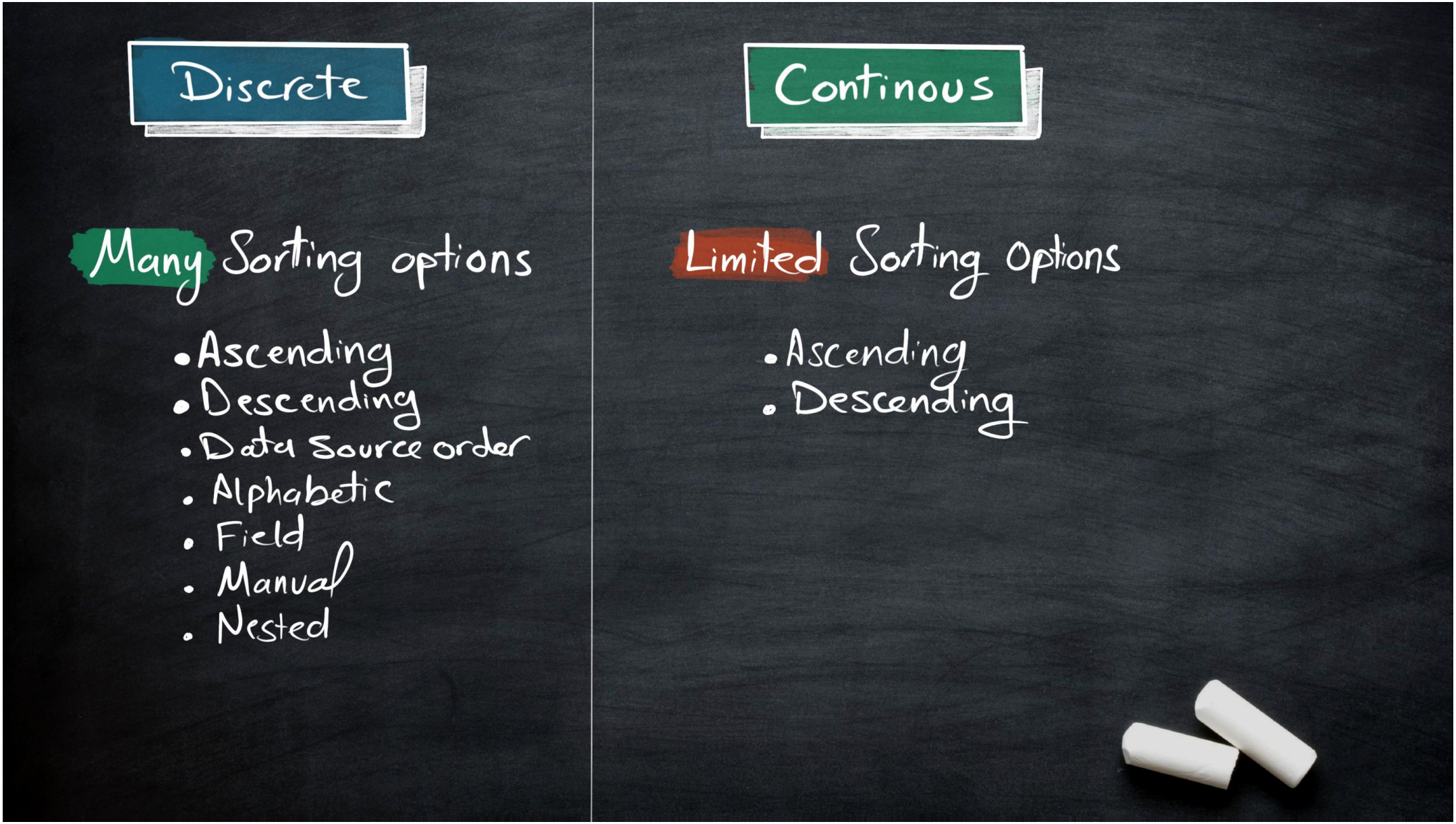
# Discrete vs Continous



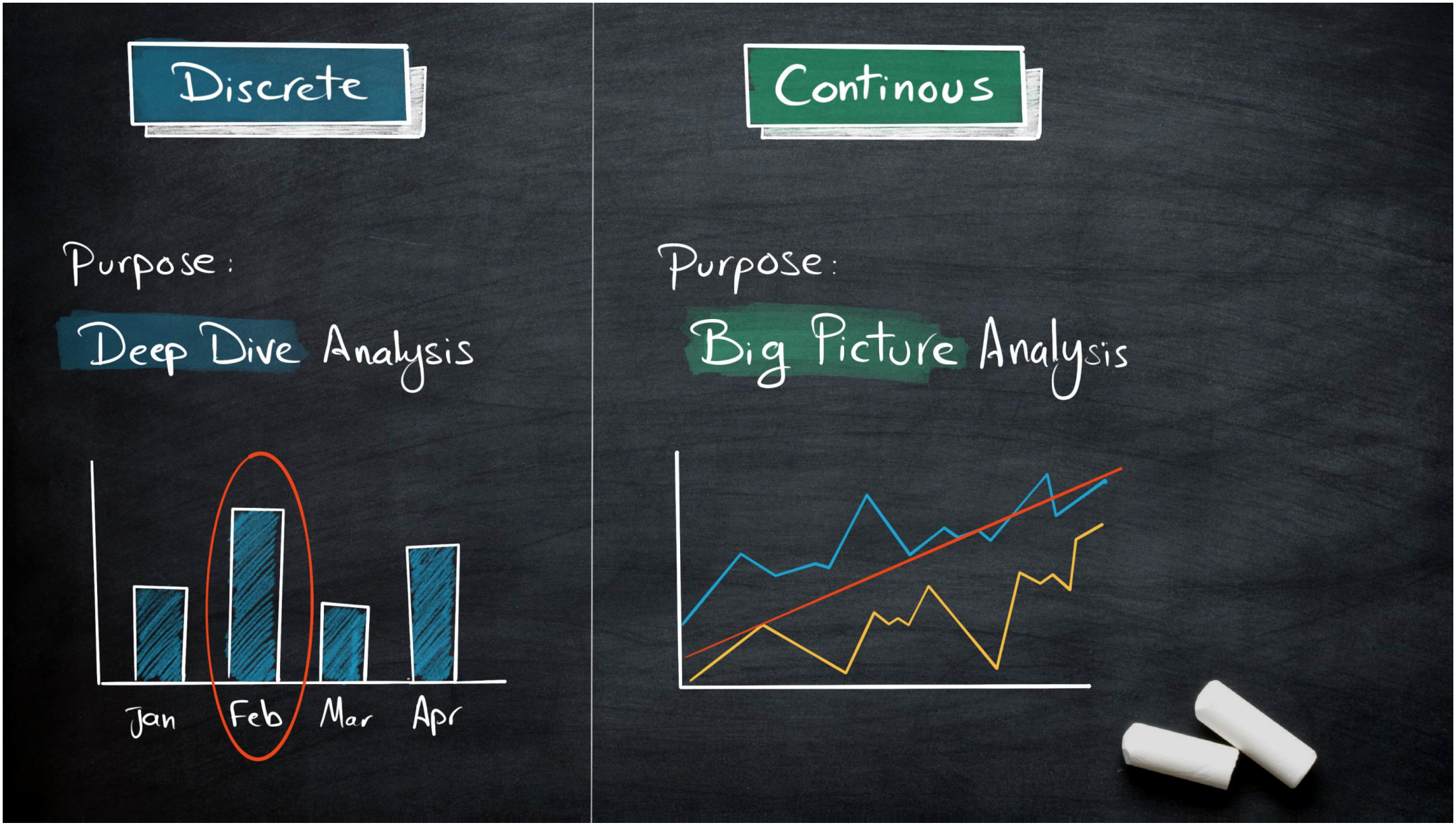
# Discrete vs Continous



# Discrete vs Continous

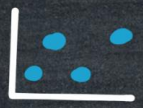
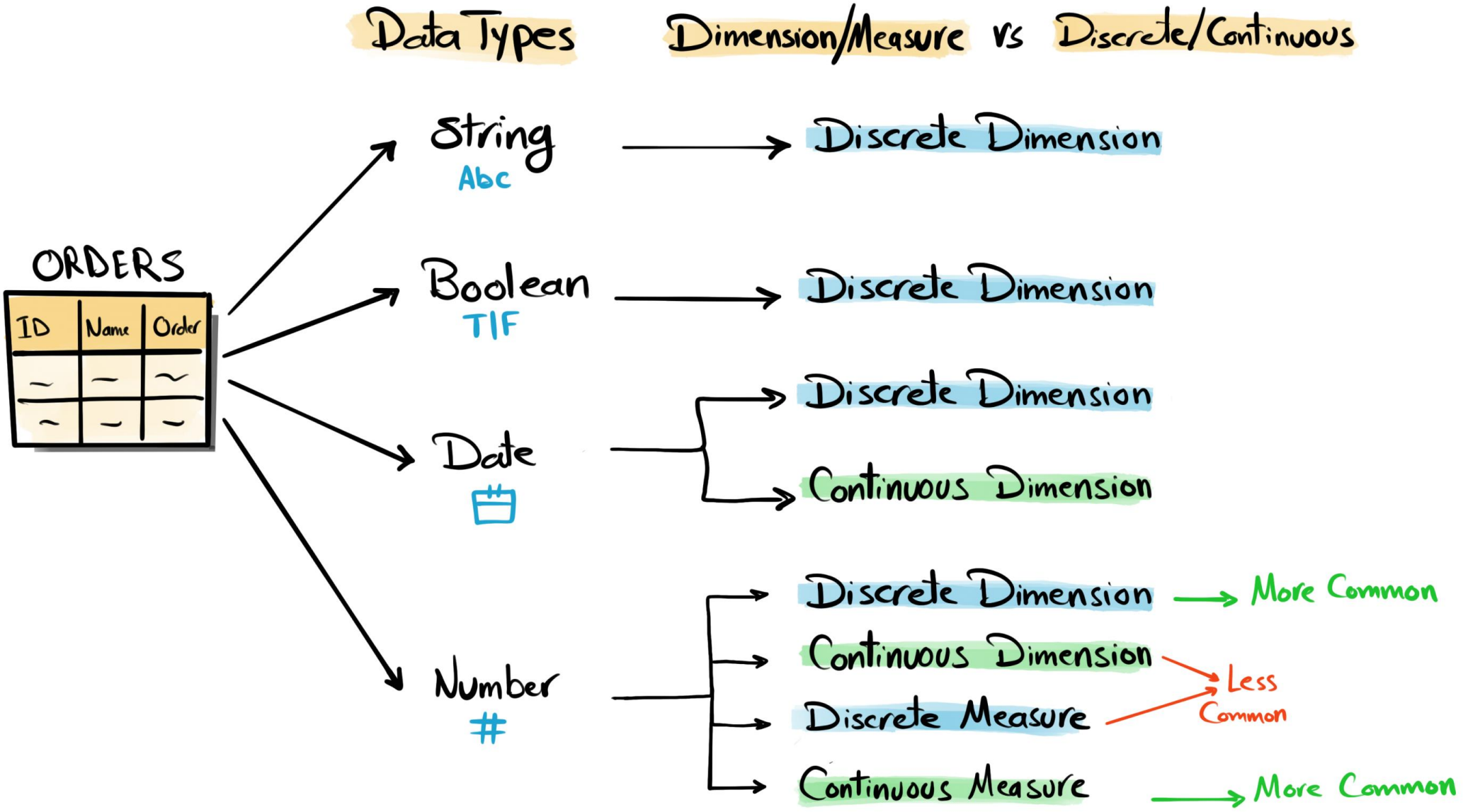


# Discrete vs Continous



# Discrete vs Continous

DATA WITH BARAA

| tableau | Discrete | Continuous |
|---|---|---|
| Definition | Disconnected Values  | Connected values |
| Example | [0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10] | [1, 1.11, 1.12, 1.13, 1.14, ..... , 2] ∞ |
| Colors | Blue Pill | Green Pill |
| Filters | Distinct Values | Range Value |
| Views | Header | Axis |
| Sorting | Many Sorting options | Limited Sorting Options |
| Purpose | Specific Scenario \| Deep Dive | Big Picture \| Trends Analysis |

# Tableau Metadata