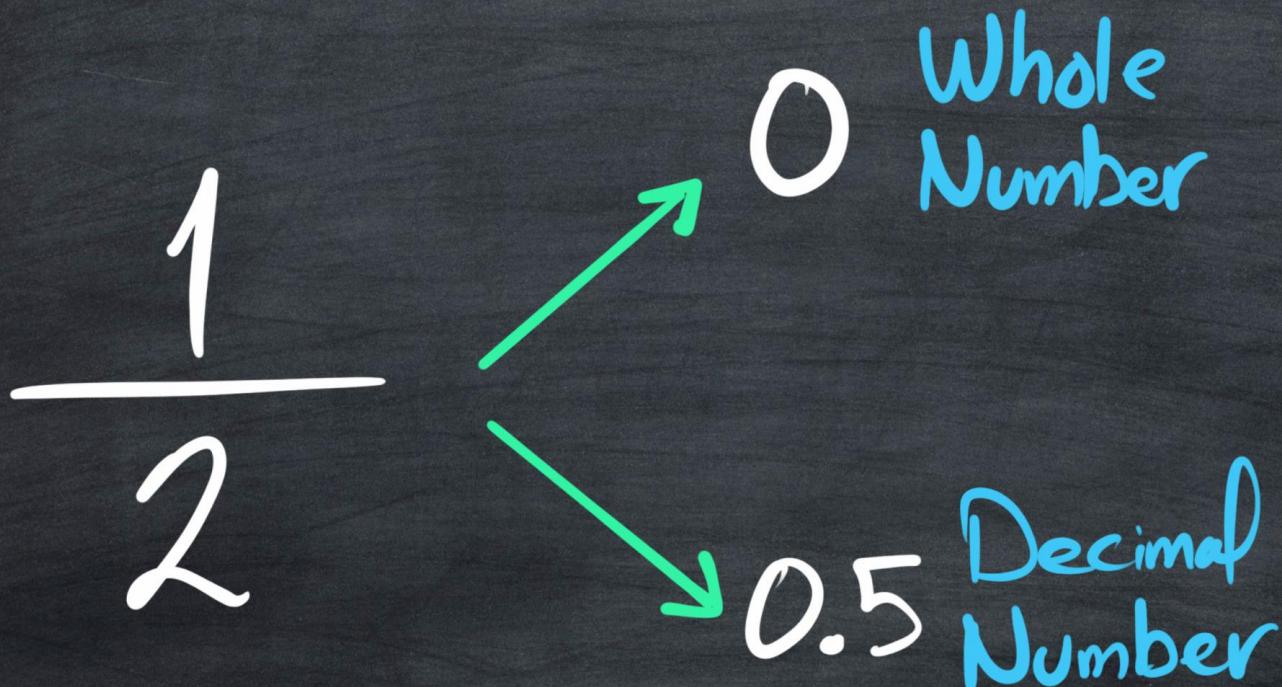




#





Abc

A B x ≤ 1 3 5 \$?

↑
White
Space



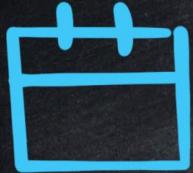


Abc

A B x ≤ 1 3 5 \$?

White
Space



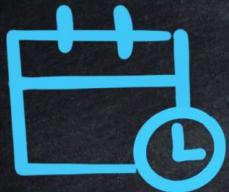


DATE

2025 - 08 - 20
Y Y Y Y - M M - d d

DATE FORMAT





DATE

2025 - 08 - 20
Y Y Y Y - M M - d d

DATE FORMAT

TIME

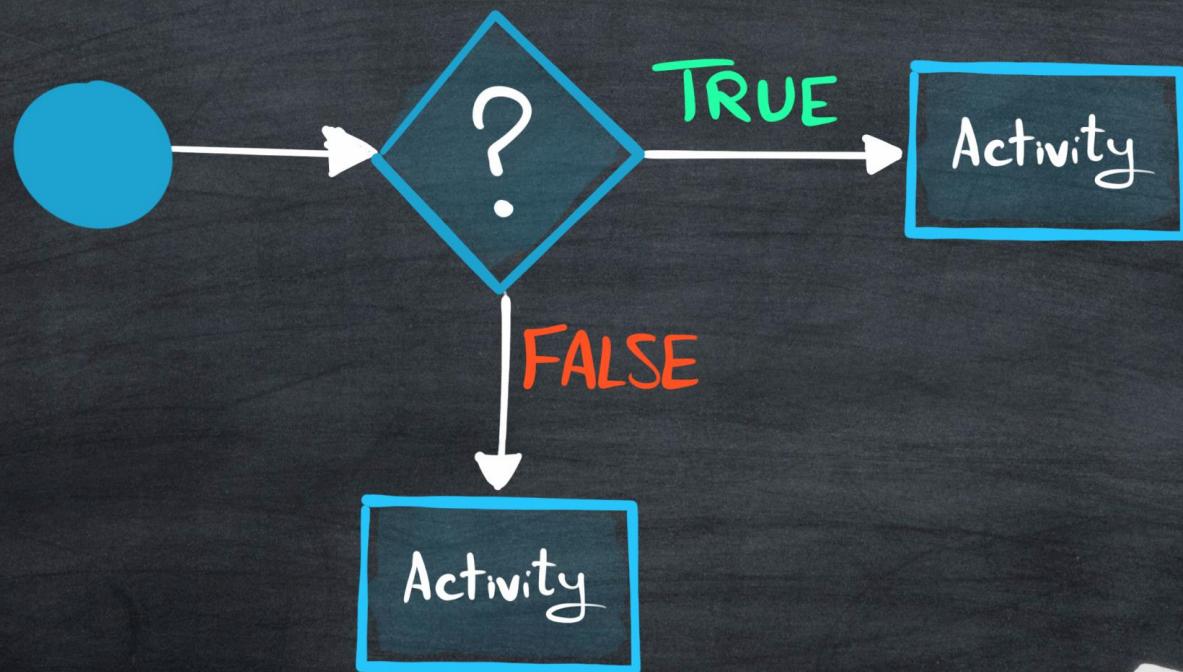
18 : 48 : 53
H H : M M : S S

TIME FORMAT





T|F

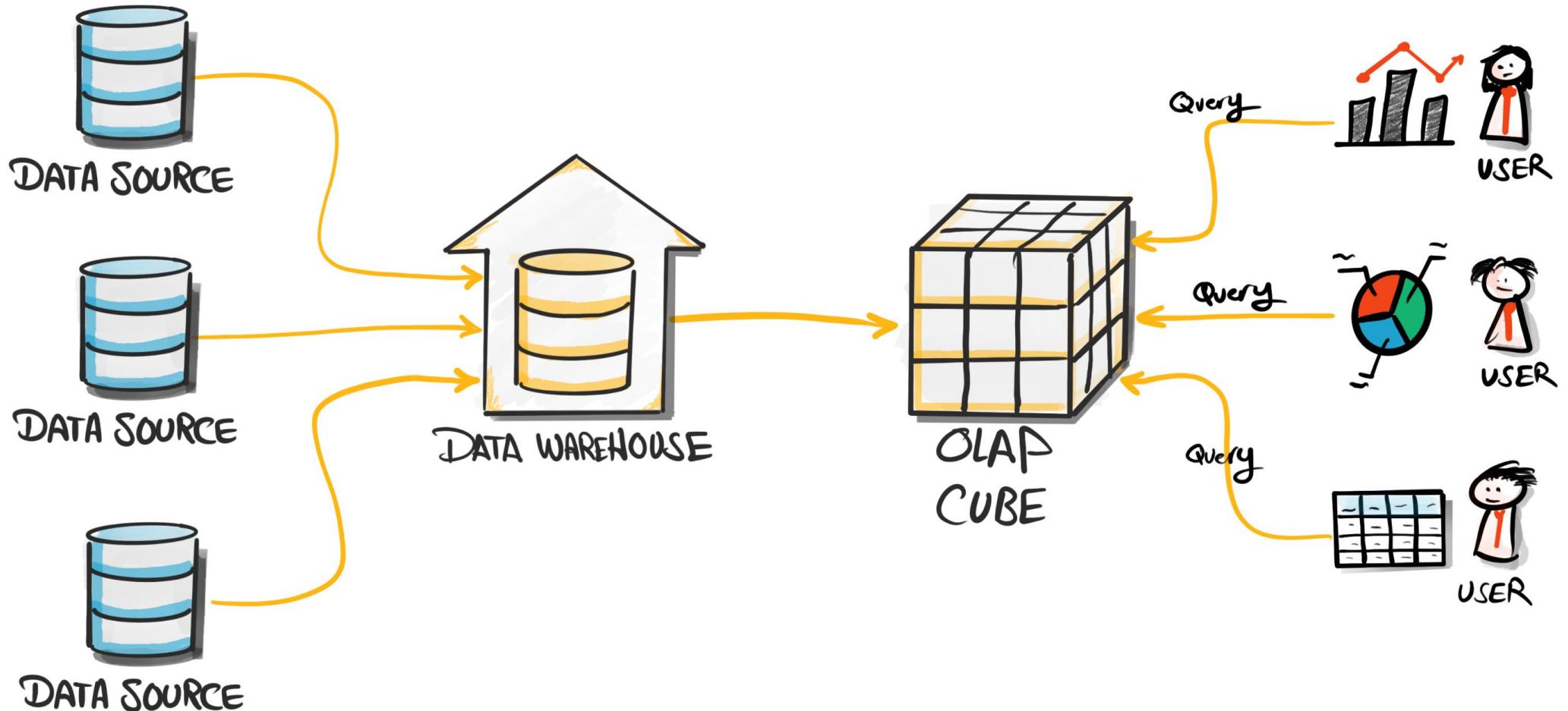


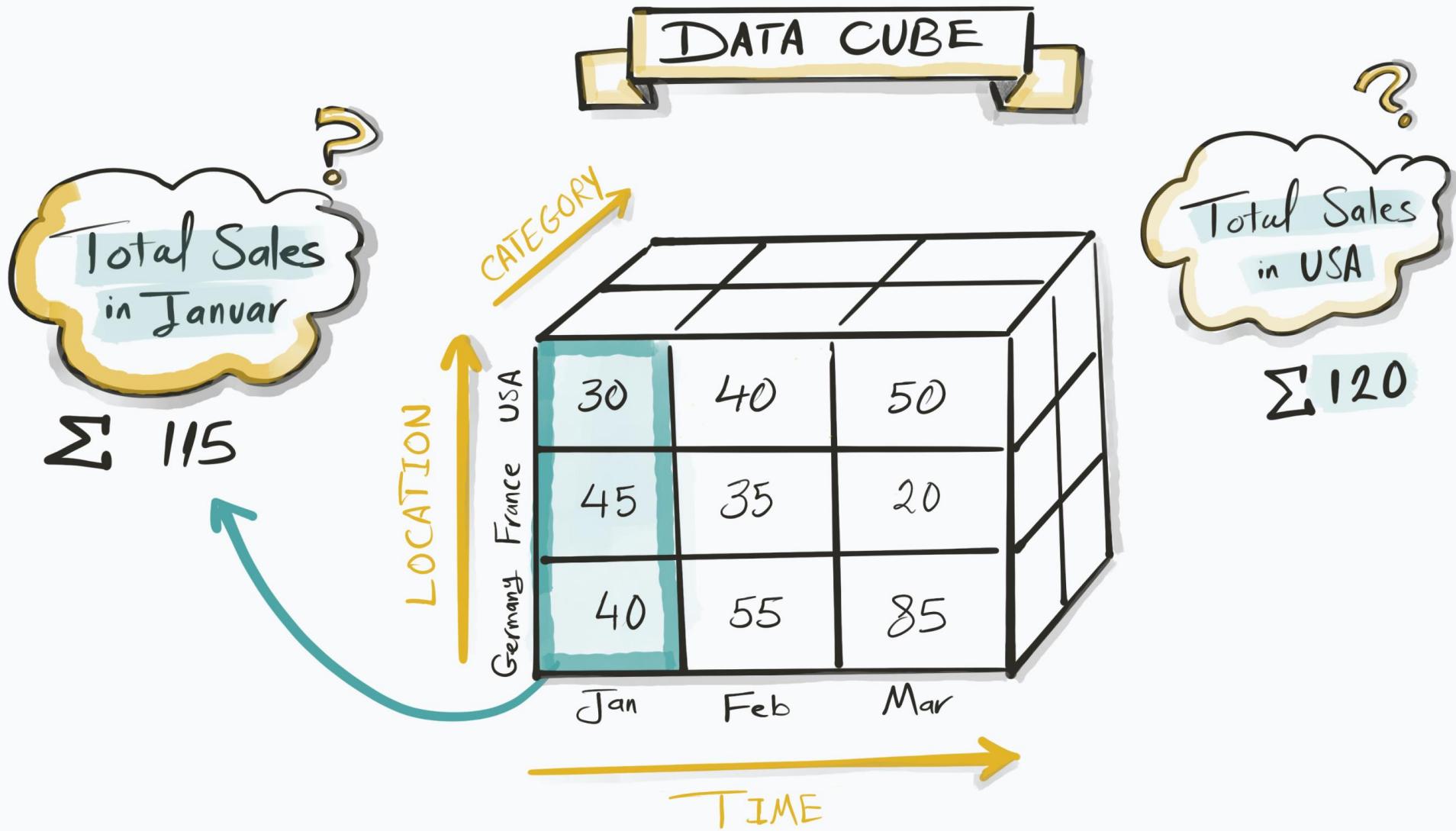


+ a b | e a u

Online Analytical Processing (OLAP)

DATA WITH BARAA







Is Data Type = Number?

YES

NO

Does it make sense
to aggregate?

Dimension

YES

NO

MEASURE

Dimension



tableau

Definition

Example

Aggregation

Data Types

Role of Analysis

Granularity

Dimensions

Descriptive Values

Category, Country, ID

Can Not be aggregated

[String, Date, Boolean, Number]
Abe □ TIF #

Filtering, Grouping, Organising Data

LOD: Level of Details

Measures

Quantitative Values

Sales, Profit, Quantity

Aggregate [SUM, AVG, MIN, MAX]

[Number]
#

Calculations & Numerical Analysis

Determine Quantity being Measured



Discrete

11 Values

0
1
2
3
4
5
6
7
8
9
10

Continous

∞ Values

1
1.11
1.12
1.13
1.14
1.15
.
.
.
2





Discrete

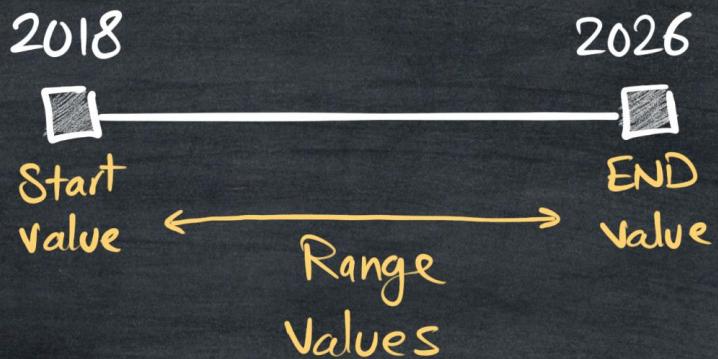
Filter-Category

- All
- Art
- Copiers
- Storage
- Tables
- more

Distinct
Values

Continous

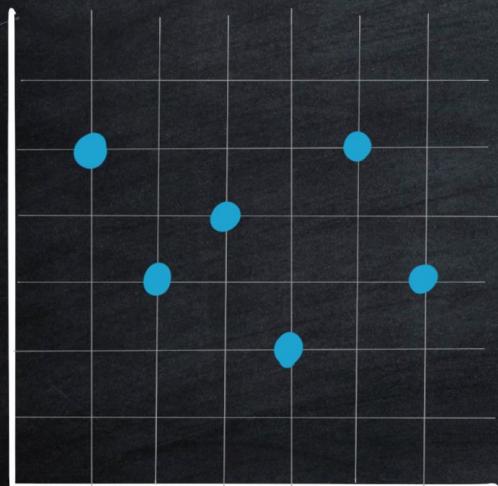
Filter-Date





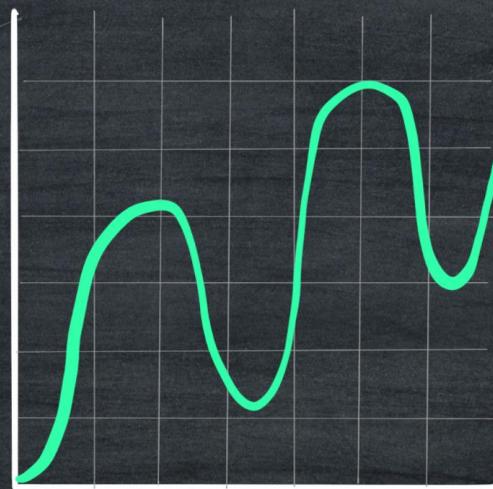
Discrete

Disconnected & Separated
Values



Continuous

Connected & unbroken chain
of Values





Discrete

Many Sorting options

- Ascending
- Descending
- Data Source order
- Alphabetic
- Field
- Manual
- Nested

Continous

Limited Sorting Options

- Ascending
- Descending





Discrete

Continuous

Purpose:

Deep Dive Analysis



Purpose:

Big Picture Analysis





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

