

Introduction ①

Tableau Extension

Data analytics is the process of exploring and analyzing large dataset to find hidden patterns, unseen trends, discover correlations and valuable insights.

- log files,
- Web Server and transactional data
- customer update data

Data analytics improves the speed and analyzing the data for the business.

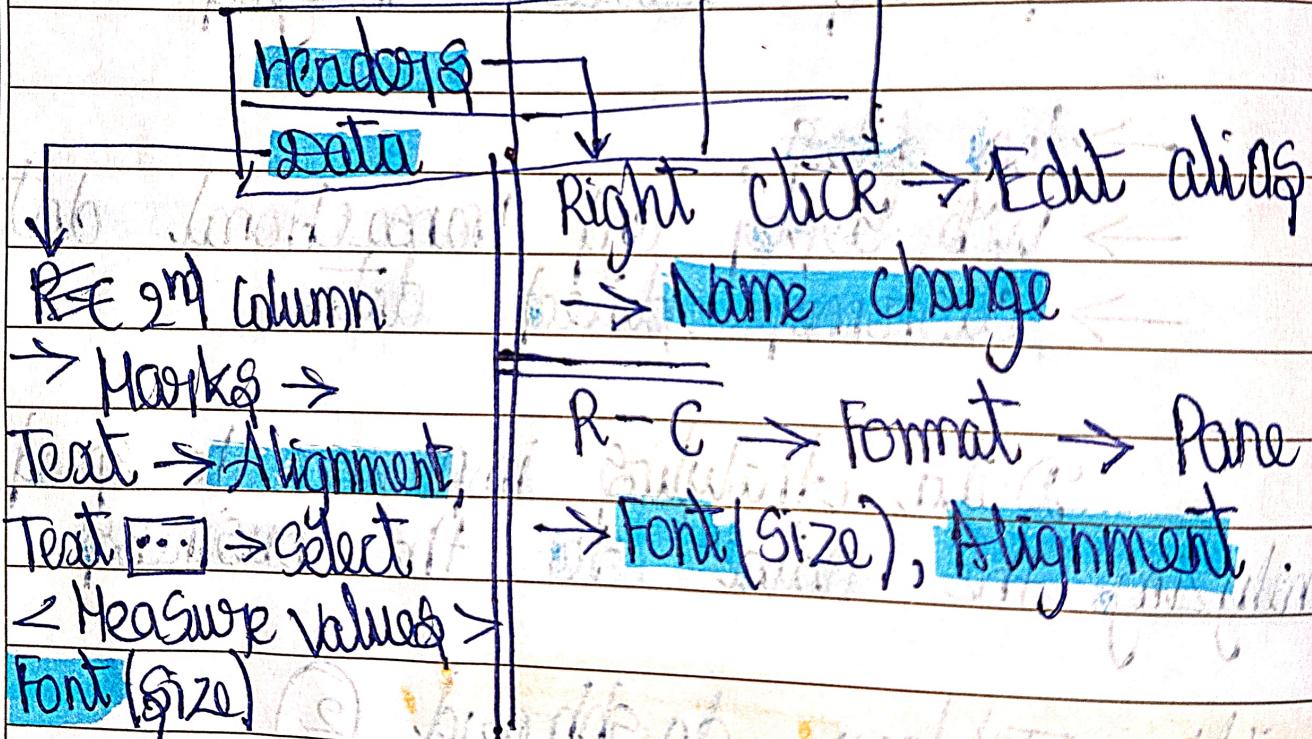
Building Tableau dashboard ②

Tableau → Insert data → Sheet →
left (Tables) → 1st half dimensions (qualitative)
→ 2nd half measures (quantitative data)

Dataset

After rows & columns (category)
 organize → selected tables (category)
 down/copy → Measure → Minimum,
Maximum | Count → Count (distinct)

Workspace data operation



View → Entire View → Grandview → Entire View

Dataset

Tableau Sales EU

Grok.ai

Sheet 1 - KPI (Key Performance Indicator)

Column → Product ID (Count), Customer ID (Count - distinct), Quantity, Sales, Profit.

Chart → Heat table (Cross tab)

Rows → data → columns.

Sheet 2 - Product, Segment wise sales

Column → category, Rows → Sales

Average

Left → Analytics → Average line

order (Ascending / Descending)

Ribbon bar → $\downarrow \equiv$ / $\downarrow \equiv$

Categories above Avg (Color)

Data → Create calculation field
→ Name → formula → Sum(Sales) >
window Avg (Sum(Sales)) → OK

Table & Measure 2nd half →
Created field → Paste → Map (color)
→ Right Side (color change) → ↓ →
Edit Colors → OK.

[Sheet 3] - Location wise Sales

Column → Country, Row → Sales

Map chart

Map chart

Right - Side → Sales shown →
light color (low Sales), dark color
(high Sales) → ↓ → Edit Edit Color.

Label

It Shows big (each) values using
category.

Eg: Sales → Marks (Label)

Sheet 4 - Region wise Sales

Column → Region , Row → Sales
(E,W,N,S)

Region → Marks (color)

Label Country → Label

Sheet 5 - Month on Month , Year on Year
Sales.

column → order date (default - year) ↓

Row → Sales

Quarter → Month

Q₁, Q₂, Q₃, Q₄

Year wise chart

Shows Every Year connected line chart together.

Quarter wise chart

Every Year have Four Quarter line chart together.

Month wise chart

Every Year have Four Quarter wise Month with Each month separate line chart.

Column → Year, Month, delete (Quarter)

Row → Sales

Color

Color → Color → R-G → Edit

Label

Sales → Label

[Sheet 6] - Ship Mode Profit

Column - [Text] Ship Mode

Row - [Number] Profit

Ribbon Soap Rows ↔ Column

Color

Profit → Color

[Sheet 7] - Quantity of Product Order

Column - Sub-Category

Row - Quantity

Label

Cells → Label

Color

Sub-category → Color

Order

Descending order

Layout

Dashboard  → Size → Automatic / Range (height, width).

Objects → Image → Fit, center image
→ Image.

Sheets

Arrange →

Arrange you wants order.