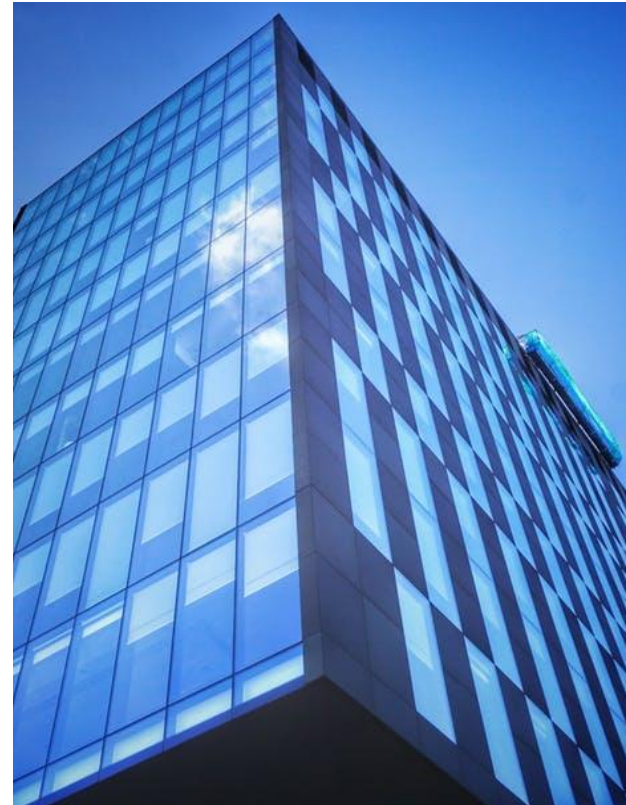




Tableau – Data Visualization Tool

Simplifying Data Through Visuals

Tableau – Data Visualization Tool



Simplifying
Data Through
Visuals



An abstract graphic of a blue liquid splash or ink blot, centered at the top of the slide. The splash is composed of various shades of blue, from light to dark, creating a dynamic, organic shape that resembles a cloud or a burst of energy. It is positioned behind the title text.

Introduction to Tableau

Tableau is a powerful Business Intelligence and Data Visualization tool

Converts raw data into interactive, insightful dashboards

Drag-and-drop interface, no coding required

An abstract graphic of blue ink splashing and swirling, creating a dynamic, organic shape that occupies the left side of the slide.

Why Tableau?

01

Fast & interactive dashboards

02

User-friendly interface

03

Real-time data analysis

04

**Beautiful visualizations with
few clicks**

Key Features of Tableau



Data blending & joining

Live and extract connections

Built-in calculation fields

Real-time collaboration

Mobile compatibility

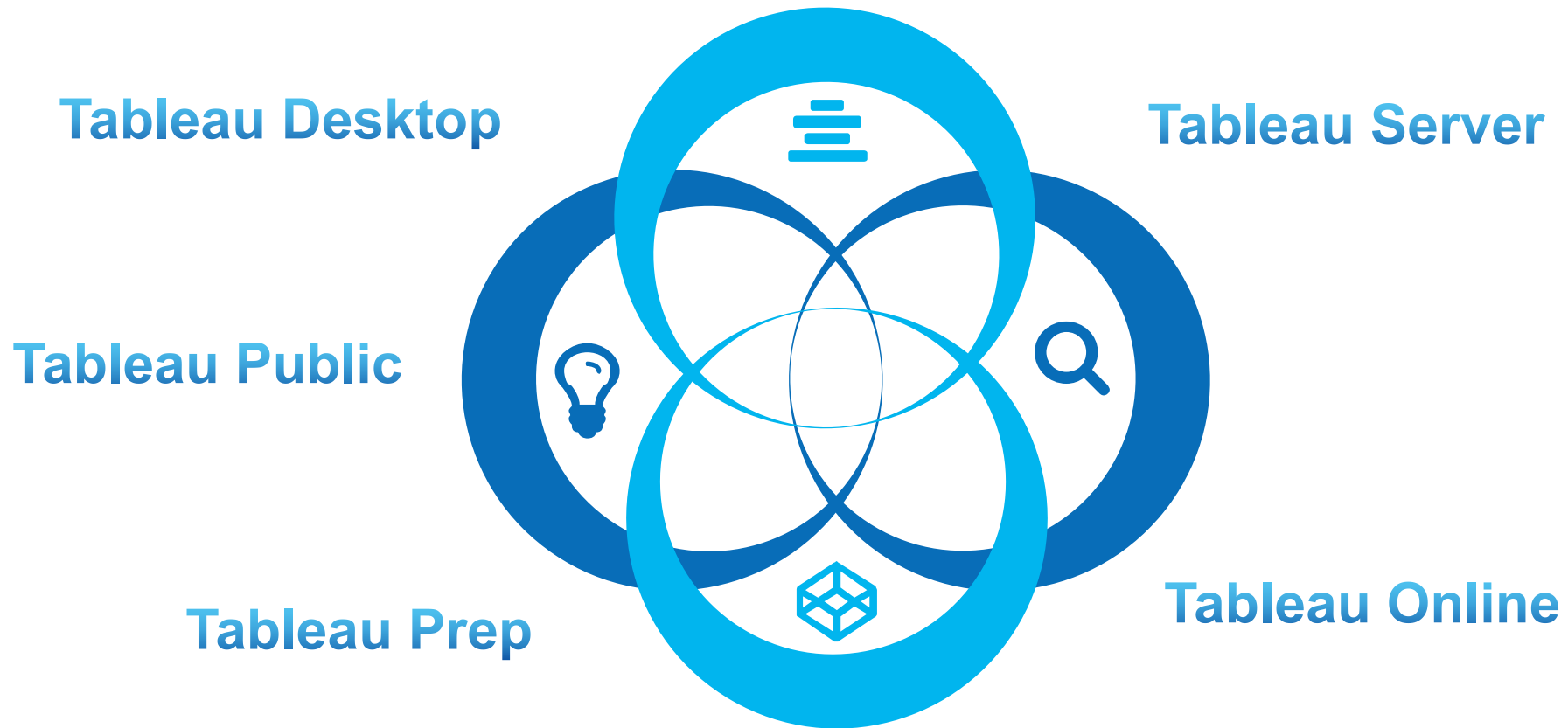
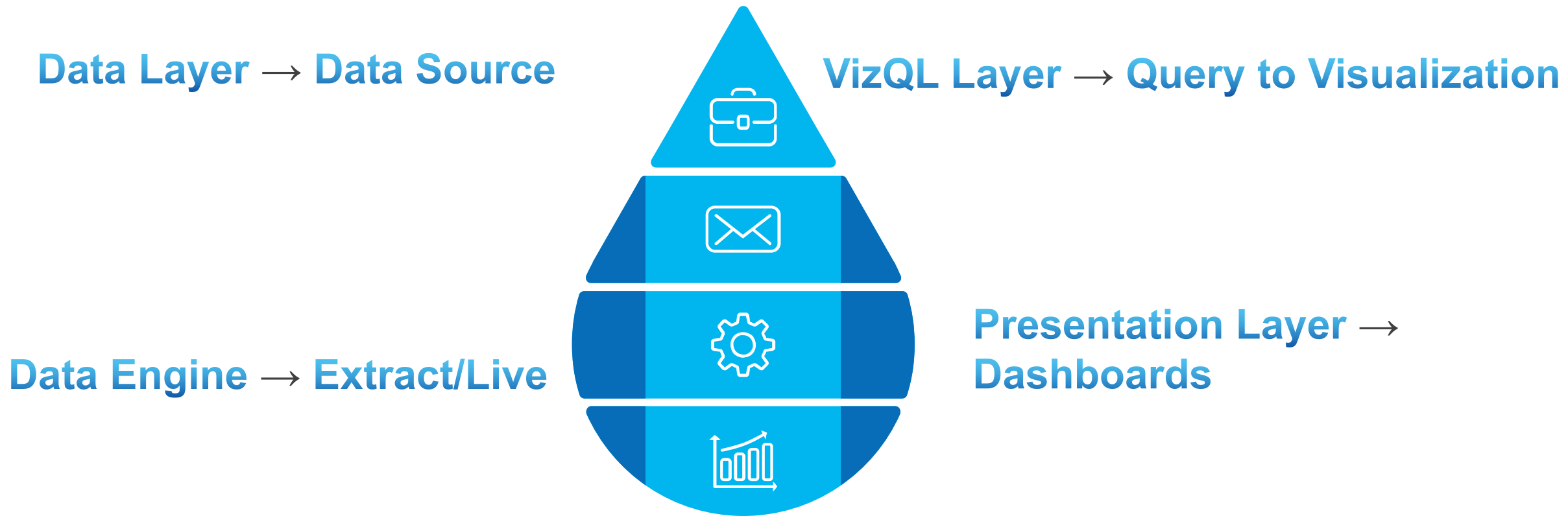
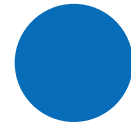


Tableau Architecture





Data Connections



Excel, CSV, SQL Server, Oracle,
Google Sheets, Cloud, etc.



Live vs Extract connection
explained



A large, crumpled blue plastic bag is positioned at the top of the slide, partially obscuring the title. The bag is shiny and has many folds and wrinkles.

Tableau Interface Overview

Data Pane

Workspace (sheets, dashboards)

Shelves (Rows, Columns, Filters, Marks)

Show Me Panel

Types of Charts in Tableau

Bar / Line / Pie

Map / TreeMap
/ Heat Map

Scatter Plot /
Bubble Chart

Gantt / Area /
Dual-Axis Chart



Filters & Parameters



Filters: Narrow down data



Parameters: Create dynamic dashboard



Control user input and interactivity



Calculated Fields

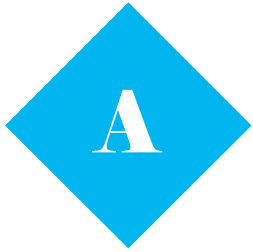
Create new data fields using formulas

Example: IF [Sales] > 500
THEN "High" ELSE "Low"



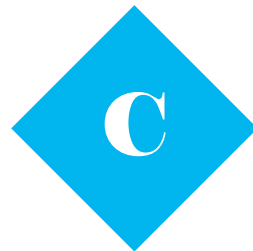
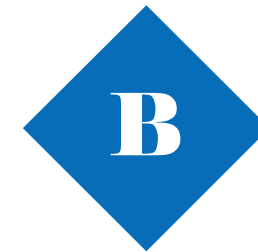
Add Intelligence to visualizations

Dashboard Creation



**Combine multiple
charts into one view**

**Add interactivity:
filters, actions, highlights**



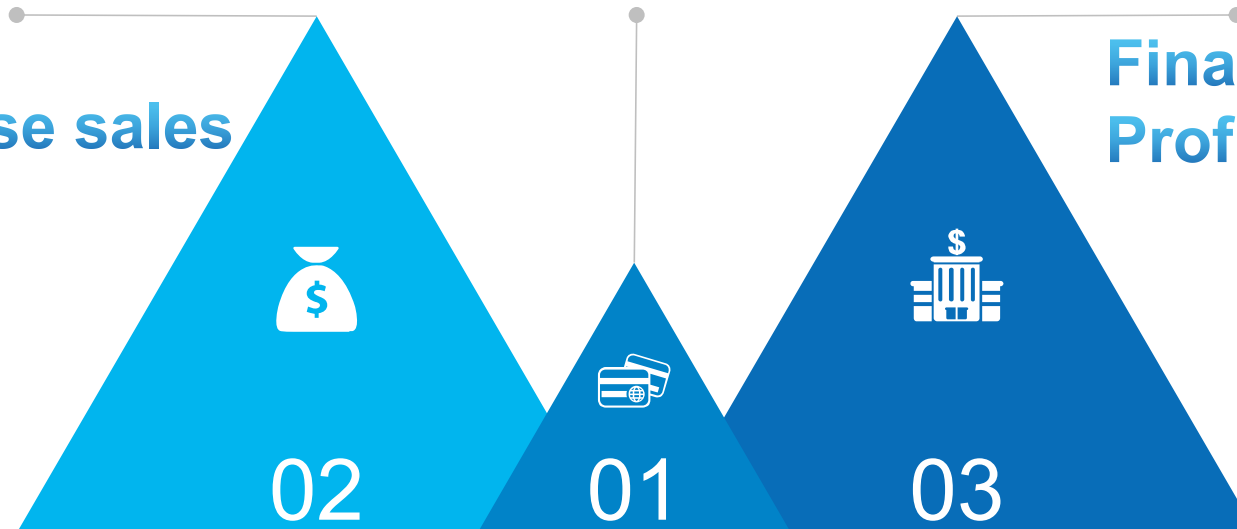
Use layout containers for structure

Real-World Use Cases

HR Dashboard-
Employee Count, attrition

Sales Dashboard-
Revenue, Region-wise sales

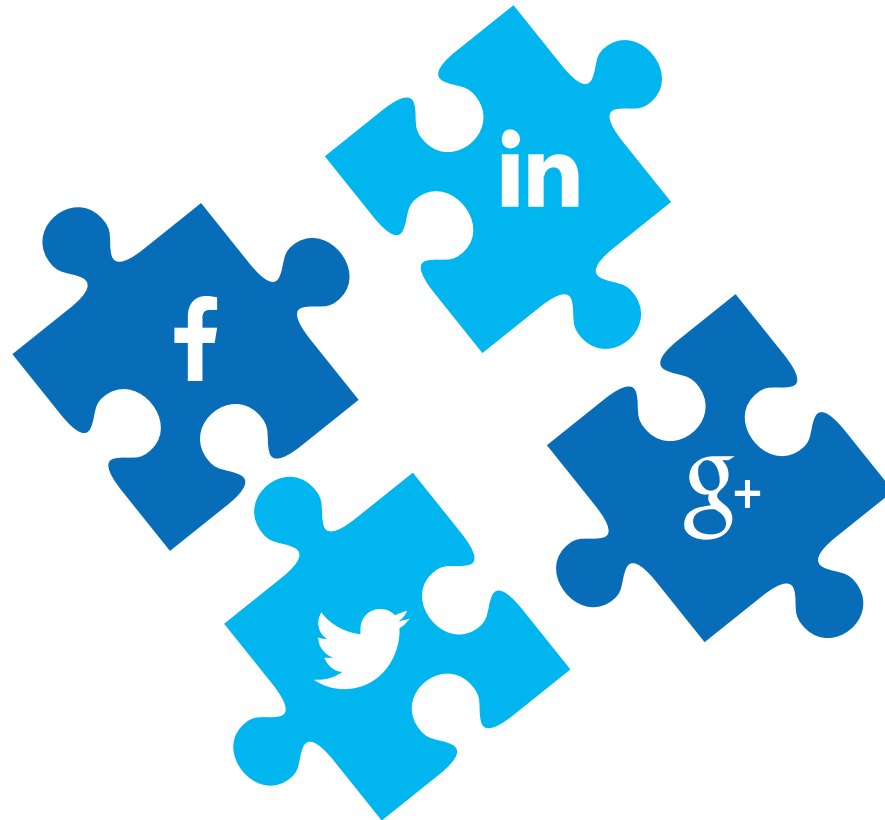
Finance Dashboard-
Profit/Loss, KPI trends



Pros & Limitations

Pros:

Fast, scalable, interactive
Strong community support



Limitations:

Paid version is costly
Limited custom visual flexibility

Tableau vs Other BI Tools



Comparison with Power BI, QlikView, etc.

Tableau: Visualization-first approach, intuitive UX

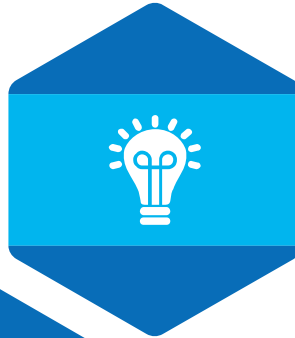
Power BI: Tight Microsoft ecosystem integration

QlikView: Strong in associative data model

✓ Tableau stands out in ease of use and dashboard aesthetics

Tableau Certifications & Career Scope

**Tableau Desktop Specialist
(Beginner Level)**



**High demand in roles like
Data Analyst,
BI Developer, Data Scientist**



**Tableau Certified Data Analyst
(Intermediate Level)**



**Tableau Certified Associate
Architech
(Advanced Level)**

Tableau in Different Industries



Healthcare:

Patient data,
hospital
analytics



Retail:

Customer
trends, product
performance



Banking:

Risk analysis,
fraud
detection



Education:

Student
performance,
enrollment insights





Tableau Public Portfolio (For Learners)

**Free platform to
publish & share
dashboards**



www.public.tableau.com



**Helps in
networking with
global Tableau
community**



**Great for building
a professional
portfolio**



Tips for Effective Tableau Dashboards



Keep it simple and readable

01

**Add tooltips & interactivity
for deeper insights**

03

02

**Use colors wisely for
meaning, not decoration**

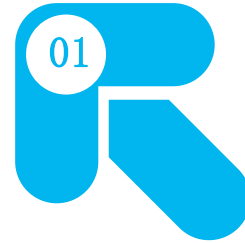
04

**Avoid clutter: focus
on business questions**

05

Resources to Learn Tableau

Official Tableau Learning:
<https://www.tableau.com/learn>



YouTube Channels:
Tableau Tim, Alex Freberg



Free Courses:
Coursera, Udemy (selected free content)

A large, crumpled blue plastic bag is positioned at the top of the slide, partially obscuring the title. The bag is shiny and has many folds and wrinkles.

Conclusion

Tableau transforms complex data into clear insights

Ideal tool for Data Analysts, Business Users, and Decision Makers

“Data is beautiful — if visualized right”



Thank You for Your Time & Attention

I truly appreciate your interest in exploring this presentation. Your time and attention mean a lot!

Tool Used

WPS Office – Presentation (Pdf Format)

Crafted with precision using the WPS Office Suite for a smooth and professional experience.

Presentation Type

Data Visualization using Tableau

A complete overview of Tableau's powerful features, use cases, and dashboarding capabilities.

Created By

Rajeev Tiwari