

OBJECTIVE:

The objective of this presentation is to guide participants through the process of creating dynamic and visually appealing dashboards using Tableau. By the end of the presentation, participants will be able to:

1. Understand the fundamentals of dashboard creation in Tableau.
2. Incorporate interactive features to enhance user engagement and data exploration.
3. Utilize various dashboard objects and design principles to add visual appeal and clarity to their dashboards.

Absolutely, here's a more detailed step-by-step guide tailored specifically for creating the dashboard in Tableau software:

DATA SOURCE USED:

We've used a consolidated & cleaned economic metric data of more than a 100 countries

Country/Region	Population	Income	Expenditure	Imports	Exports	GDP (current)	GDP (constant)
Afghanistan	38,494,888	51	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000
Albania	2,883,421	47	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000
Algeria	43,988,323	38	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000
Argentina	45,192,721	38	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000
Armenia	2,987,771	38	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000
Australia	25,494,881	38	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000
Austria	9,094,771	38	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000
Azerbaijan	10,094,771	38	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000
Bahrain	1,294,771	38	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000
Bangladesh	162,994,771	38	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000
Belgium	11,294,771	38	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000
Bolivia	11,294,771	38	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000
Botswana	2,294,771	38	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000
Brazil	214,994,771	38	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000
Bulgaria	7,294,771	38	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000
Burkina Faso	20,294,771	38	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000
Burundi	11,294,771	38	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000
Canada	38,294,771	38	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000
Cambodia	16,294,771	38	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000
China	1,402,994,771	38	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000
Colombia	48,294,771	38	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000
Costa Rica	5,294,771	38	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000
Czechia	10,294,771	38	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000
Denmark	5,294,771	38	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000
Ecuador	17,294,771	38	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000
Egypt	102,994,771	38	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000
El Salvador	6,294,771	38	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000
Ethiopia	112,994,771	38	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000
Finland	5,294,771	38	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000
France	68,294,771	38	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000
Germany	83,294,771	38	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000
Greece	11,294,771	38	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000
Guatemala	17,294,771	38	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000
Guinea	13,294,771	38	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000
Guinea-Bissau	2,294,771	38	1,000,000	1,000,000	1,000,000	1,000,000	1,0

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PROCEDURE:

- ### 1. Connect to Data:

- Open Tableau and connect to your dataset by selecting the appropriate data source (Excel, CSV, database, etc.).

- Navigate to the Data Source tab to view and verify your data fields.

2. Create Worksheets:

- Switch to the Worksheet tab to start building individual visualizations.

- Drag data fields from the Data pane onto Rows and Columns shelves to create charts (e.g., bar chart, line chart, pie chart).

- Customize each worksheet by adjusting marks, colors, labels, and other formatting options as needed.

3. Build the Dashboard Layout:

- Switch to the Dashboard tab to begin building your dashboard.

- Drag worksheets from the Sheets pane onto the dashboard canvas to add them to the layout.

- Resize and rearrange the worksheets to create a visually appealing layout.

- Use containers and layout containers to organize your dashboard elements and control their placement.

4. Add Interactivity:

- Create dashboard filters by right-clicking on a worksheet and selecting "Use as Filter."

- Set up dashboard actions (filter actions, highlight actions) to enable interactivity between different worksheets.

- Test the interactivity by interacting with the dashboard elements to ensure they behave as expected.

5. Enhance Visual Appeal:

- Customize the appearance of your dashboard by adjusting fonts, colors, borders, and backgrounds.

- Add titles, subtitles, and captions to provide context and guide the viewer's attention.

- Incorporate images, shapes, and logos to add visual interest and branding to your dashboard.

6. Advanced Dashboard Features (Optional):

- Explore advanced dashboard features such as parameters, calculated fields, and reference lines to add additional functionality and insights.

- Experiment with dashboard extensions to integrate third-party visualizations or features into your dashboard.

7. Test and Refine:

- Test your dashboard by previewing it in different view modes (desktop, tablet, phone) to ensure it's responsive and looks good on various devices.

- Solicit feedback from colleagues or stakeholders and make any necessary adjustments to improve clarity and usability.

8. Publish and Share:

- Once you're satisfied with your dashboard, publish it to Tableau Server or Tableau Public for sharing.

- Share the dashboard link with your team or embed the dashboard in presentations or reports as needed.

- Monitor usage and gather feedback to continuously improve the dashboard over time.

By following these step-by-step instructions, you'll be able to create an engaging and interactive dashboard in Tableau that effectively communicates insights from your data.

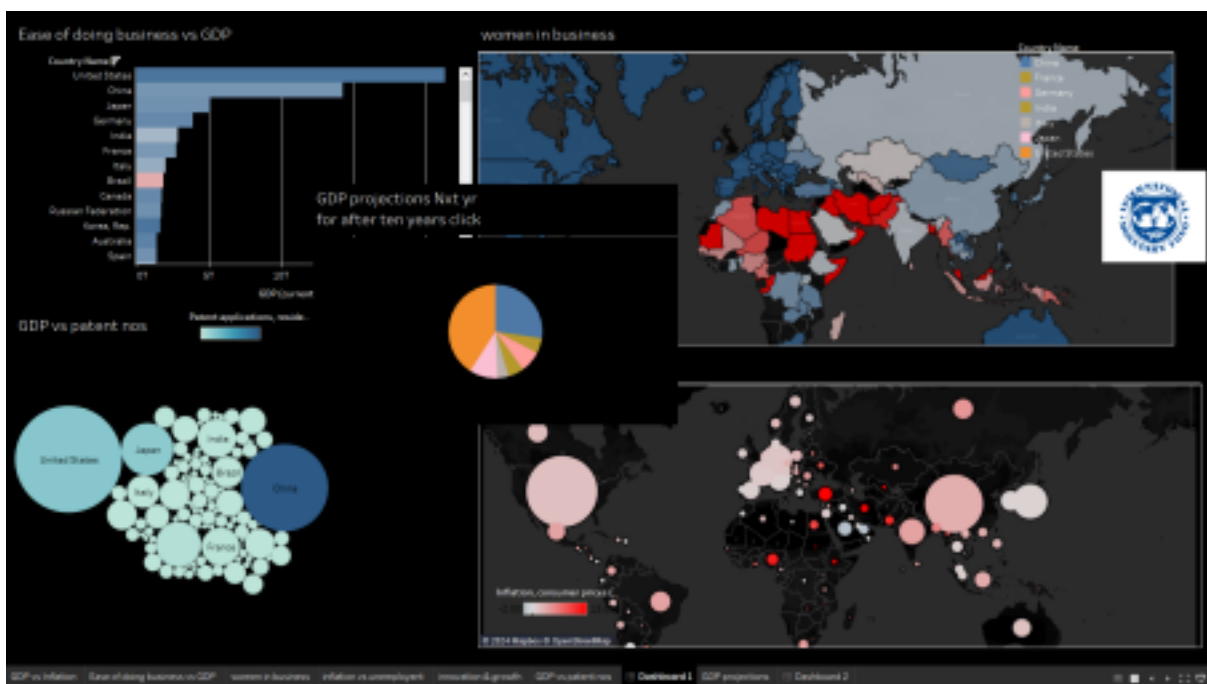
DIMENSIONS USED:

1. Country name

MEASURES USED:

1. Population
2. Women Business and the Law Index Score
3. Ease of Doing Business Score
4. Unemployment (% of total labor force)
5. Patent Applications
6. Inflation (Consumer Prices, Annual %)
7. GDP (current US\$)
8. Poverty
9. GDP per capita (\$)
10. GDP Growth
11. GDP projection 2050

OUTPUTS:



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TEAM 5: DASHBOARDS

PHOTOS: