

Empowering India: Analysing the Evolution of Union Budget Allocations for Sustainable Growth

DATE	28-02-2026
TEAM ID	LTVIP2026TMIDS90655
PROJECT NAME	Empowering India: Analysing the Evolution of Union Budget Allocations for Sustainable Growth
MAXIMUM MARKS	4 MARKS

6.3-Data Preparation:

In this step, we prepare the dataset for visualization in Tableau. Although some preprocessing has already been completed, it's important to carry out additional steps to ensure the data is accurate, structured, and ready for analysis. You can explore the process in detail through the points below:

Data Review & Exploration

While the dataset is clean, it's good practice to explore it briefly—checking data types, value ranges, and distributions. This helps us understand the structure, identify any potential outliers, and gain familiarity with the data we'll be visualizing.

Filtering and Structuring for Purpose

Depending on the business question, we may still need to filter the data to focus on specific subsets—such as certain time periods, regions, or product categories. Structuring the data to match the visualization goal helps ensure relevance and clarity.

Field Renaming & Final Formatting

To enhance clarity in Tableau, we ensure field names are intuitive and consistent. We also check for proper data types (e.g., date fields, numeric values) and relationships if the dataset spans multiple tables.

Optional Calculated Fields

If needed, we can create calculated fields (as per need) to support deeper analysis. Even with a clean dataset, these additions can make our visualizations more insightful.

Validation for Accuracy

Lastly, a quick validation against the source or summary metrics ensures everything is accurate. This final step helps maintain trust in the insights generated.

Data Visualization:

Step 1: Open Tableau Desktop / Public

- Launch Tableau and we will land on the Start Page.

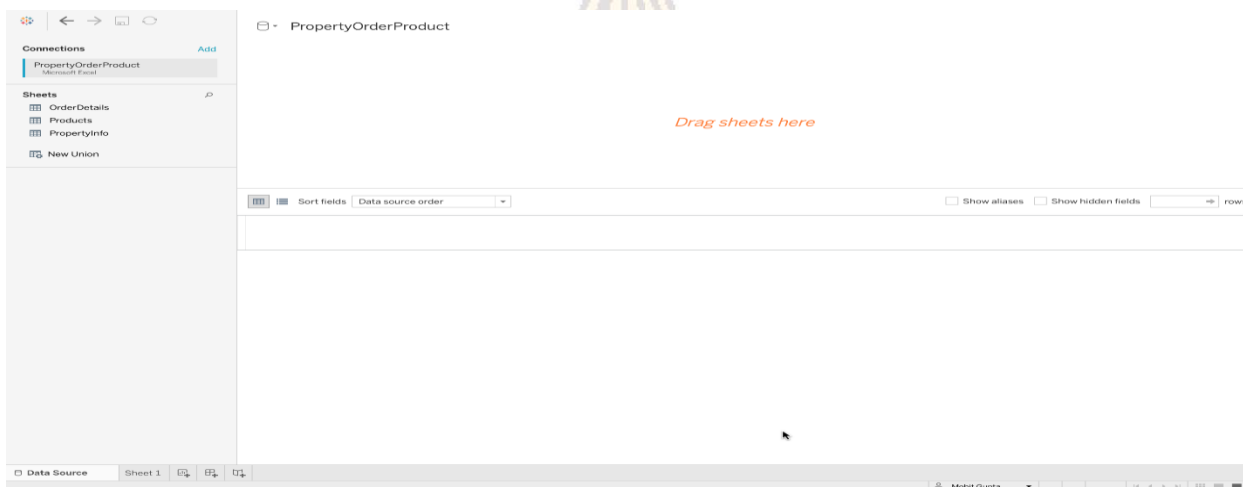
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Step 2: Locate the “Sample Workbooks” section

- On the left-hand panel, we’ll see options under Connect and Sample Workbooks.
- Tableau comes with preloaded datasets that can be directly used.

Step 3: Choose a Sample Database

- Select a dataset like Sample: Superstore, World Indicators or others (depending on our Tableau version).
- Click to open → Tableau will automatically load the data into the workbook.



Visualizations:

1. Top 5 Schemes 2021-2022

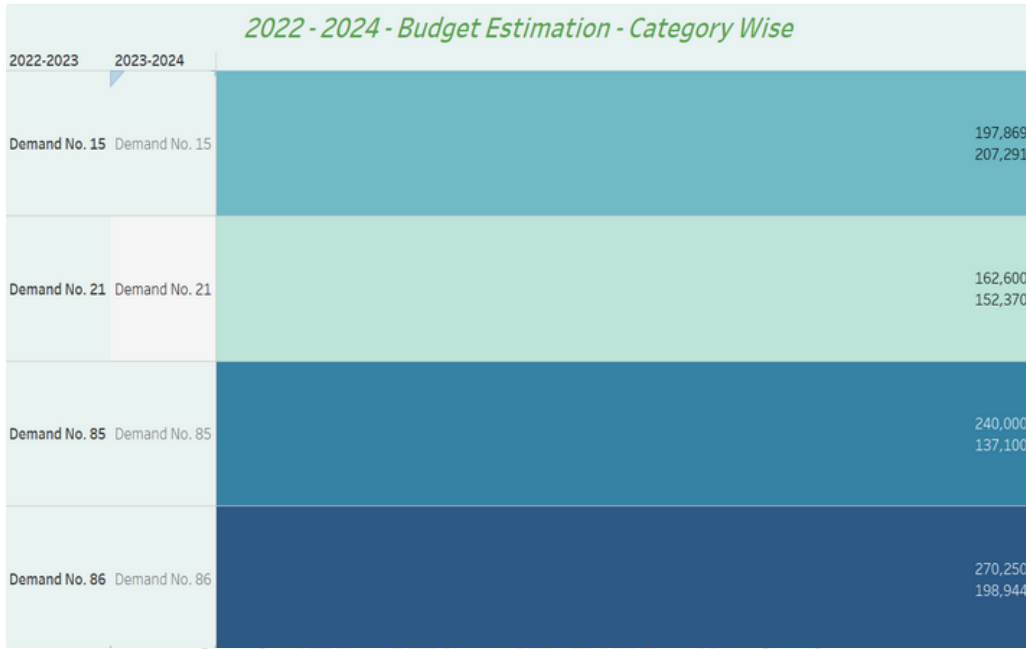
[Demo Link](#)



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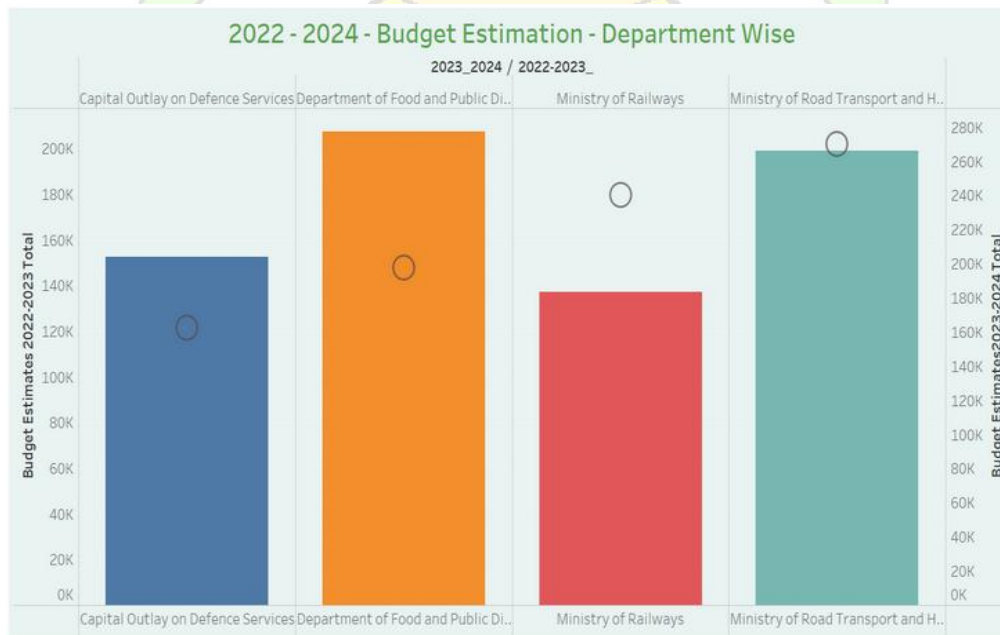
2. 2022 – 2024 – Budget Estimation – Category Wise

[Demo Link](#)



3. 2022 – 2024 – Budget Estimation – Department Wise

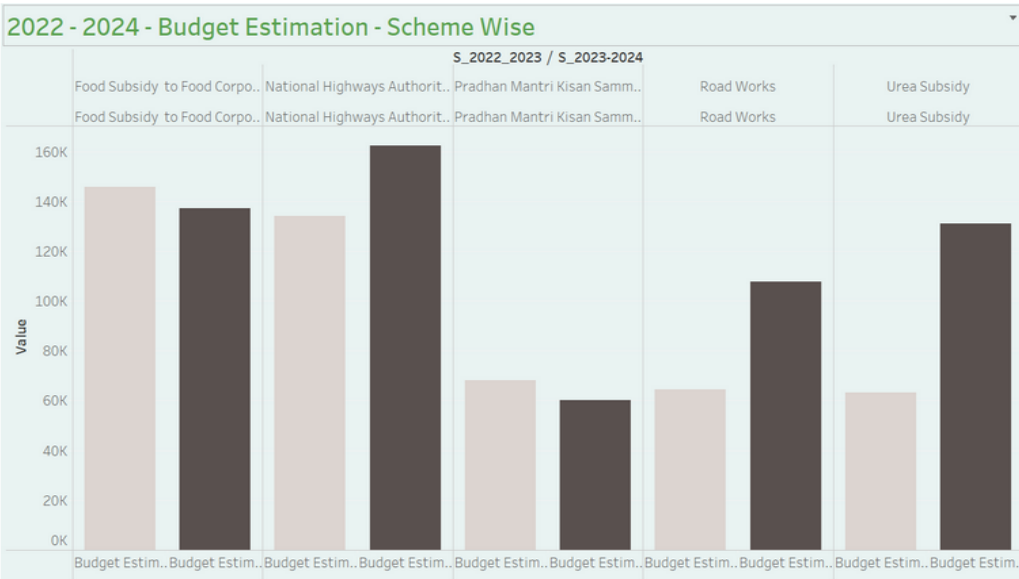
[Demo Link](#)



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4.2022 – 2024 – Budget Estimation – Scheme Wise

[Demo Link](#)



5. Top 5 Department/Ministry Wise for 2021-2022

[Demo Link](#)



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6.Total Amount Invested

[Demo Link](#)



7. Total Budget- Category Wise

[Demo Link](#)

