

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

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PROJECT NAME	Empowering India: Analysing the Evolution of Union Budget Allocations for Sustainable Growth
MAXIMUM MARKS	4 MARKS

6.2- Data Connectivity:

- ✓ Steps to Connect a Data in Kaggle.com

Let's see the steps that need to be followed to connect a data source.

The screenshot shows the Kaggle homepage with a search bar at the top. Below it, a dataset titled 'Union Budget 2023-24' by 'ANAS KHAN' is displayed. The dataset has been updated 2 years ago and has 14 versions. It includes a 'Code' button, a 'Download' button, and a three-dot menu. The dataset description states: 'Ministry-wise Budget Provisions, net of receipts and recoveries for the yr 23-24'. Below the description are tabs for 'Data Card', 'Code (1)', 'Discussion (0)', and 'Suggestions (0)'. The 'About Dataset' section contains a brief description: 'The Union Budget of India, also referred to as the Annual Financial Statement in the Article 112 of the Constitution of India, is the annual budget of the Republic of India. It contains data of Union Budget: 2023-24.' To the right of the dataset details, there are sections for 'Usability' (10.00), 'License' (Database: Open Database, Cont...), 'Expected update frequency' (Annually), and 'Tags'. On the far left, a sidebar menu lists 'kaggle' (selected), 'Create', 'Home', 'Competitions', 'Datasets' (selected), 'Models', 'Benchmarks', 'Game Arena', 'Code', 'Discussions', 'Learn', and 'More'.

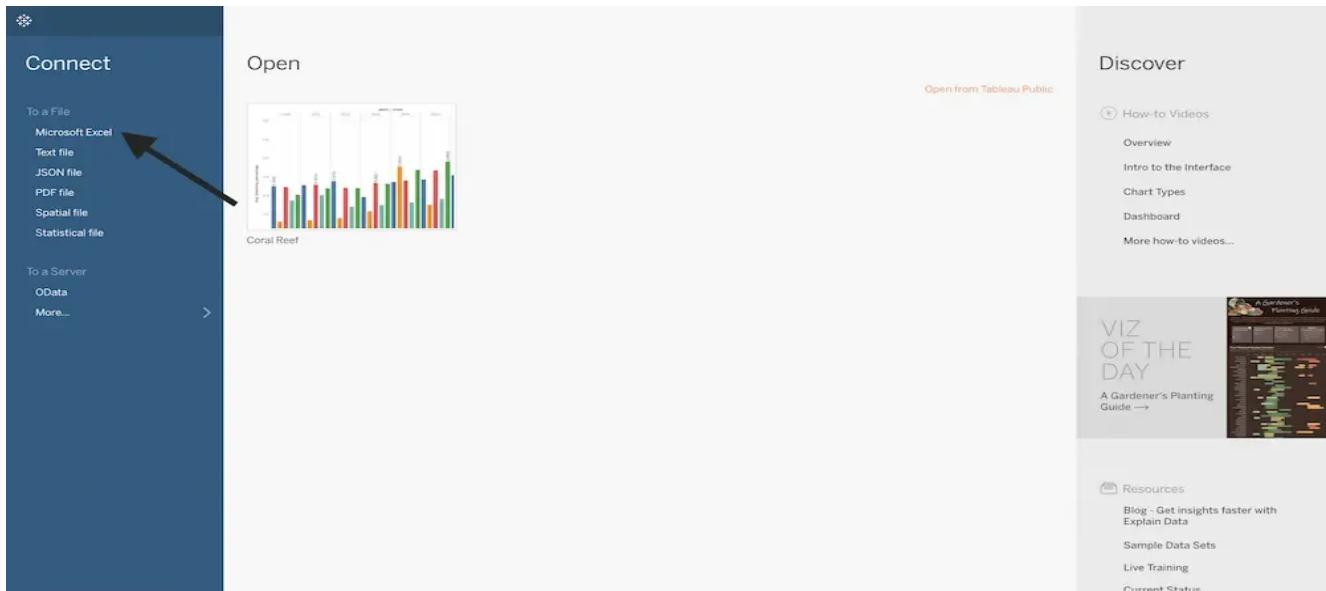
Step 1: Open Tableau

Launch Tableau Desktop. On the left-hand side of the start screen, we will see the Connect Panel.

Step 2: Select a Data Source

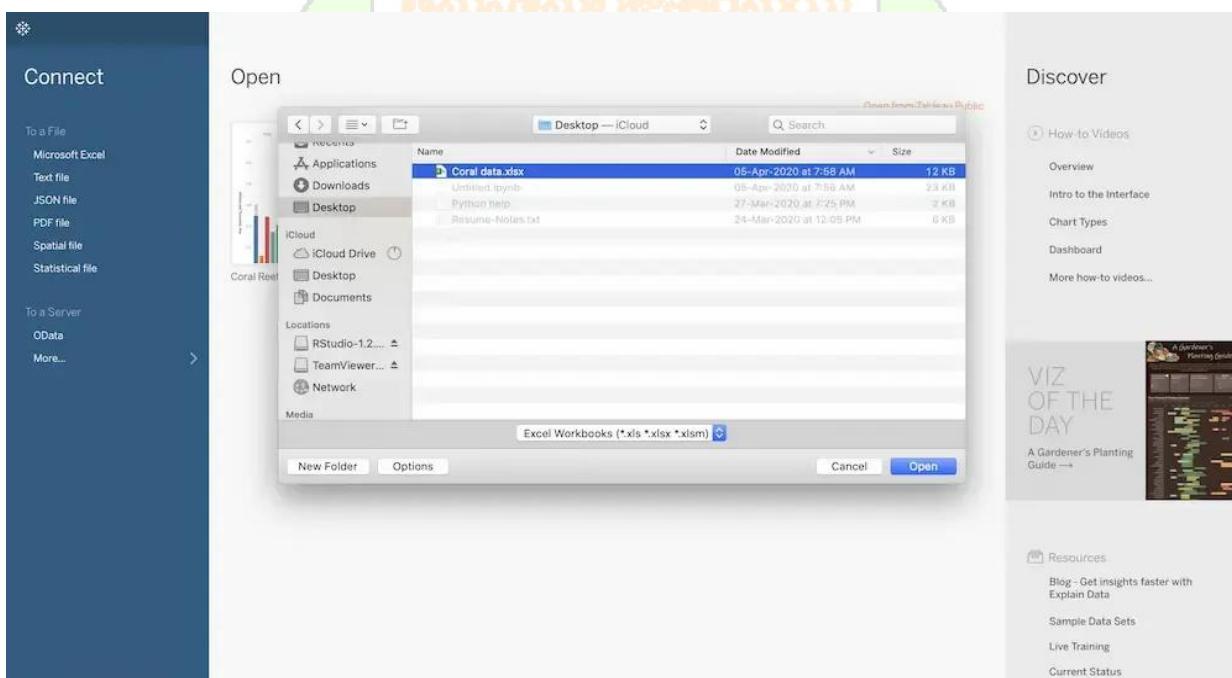
Under the File section in the Connect Panel, choose the type of data file we want to connect with. For example, to connect to an Excel file, click on Microsoft Excel.

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Step 3: Browse and Load the File

Once selecting MS Excel, a file dialog box will appear and we can select the desired data file. For example here we selected Coral data.xlsx.



Step 4: View the Data in Tableau

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After selecting, Tableau creates a connection with the file and displays our dataset at the bottom of the screen. We can preview the tables, fields and structure of our data.

The screenshot shows the Tableau Data Source interface. On the left, there's a sidebar with 'Connections' (Coral data, Microsoft Excel), 'Sheets' (Sheet1, New Union), and a note about 'Use Data Interpreter'. The main area is titled 'Sheet1 (Coral data)' and shows a preview of the data. A large black arrow points from the text above to this preview area. The data preview shows columns F1 through F16 with various numerical values. At the bottom, there are tabs for 'Data Source', 'Sheet 1', and 'Sheet 2'.

Step 5: Proceed to the Worksheet

Once the data connection is set up, click on Worksheet to begin analysis. This is where we can start preparing, cleaning (wrangling) and exploring our data.

The screenshot shows the Tableau Worksheet interface. The top navigation bar includes 'Data', 'Analytics', 'Pages', 'Filters', 'Marks', and 'Show Me'. The left sidebar contains 'Dimensions' (F1, F2, F3) and 'Measures' (blue corals, F10, F11, F13, F14, F15, F16, F17, F18, F19, F21, F22, F23, F24, F25, F26, F27, F28, F29, F30, F31, F32, F33, F34, F35, F37, F38, F39, F40). The main workspace is titled '<Answer to Q1>' and has three blank 'Drop field here' areas. At the bottom, there are tabs for 'Data Source', 'Sheet 1', and 'Sheet 2'.