



ASSIGNMENT

ON

Interactive Data Story On COVID-19

Using IBM Congos Analytics

Submitted By:-

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Submitted To:-

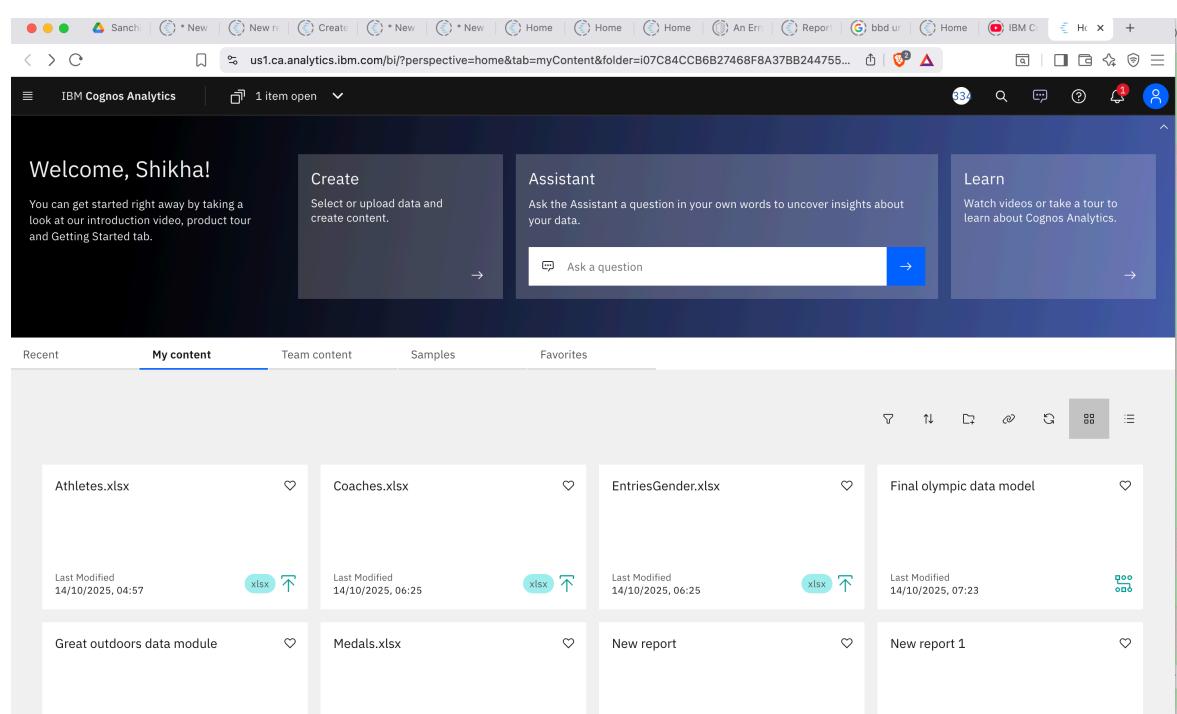
Mr.Robin Tyagi

Agenda/Definition: The main objective of this project is to create an interactive data story in IBM Cognos Analytics using the COVID-19 dataset. The story visualizes confirmed cases, recoveries, deaths, and vaccination trends to show the overall pandemic impact.

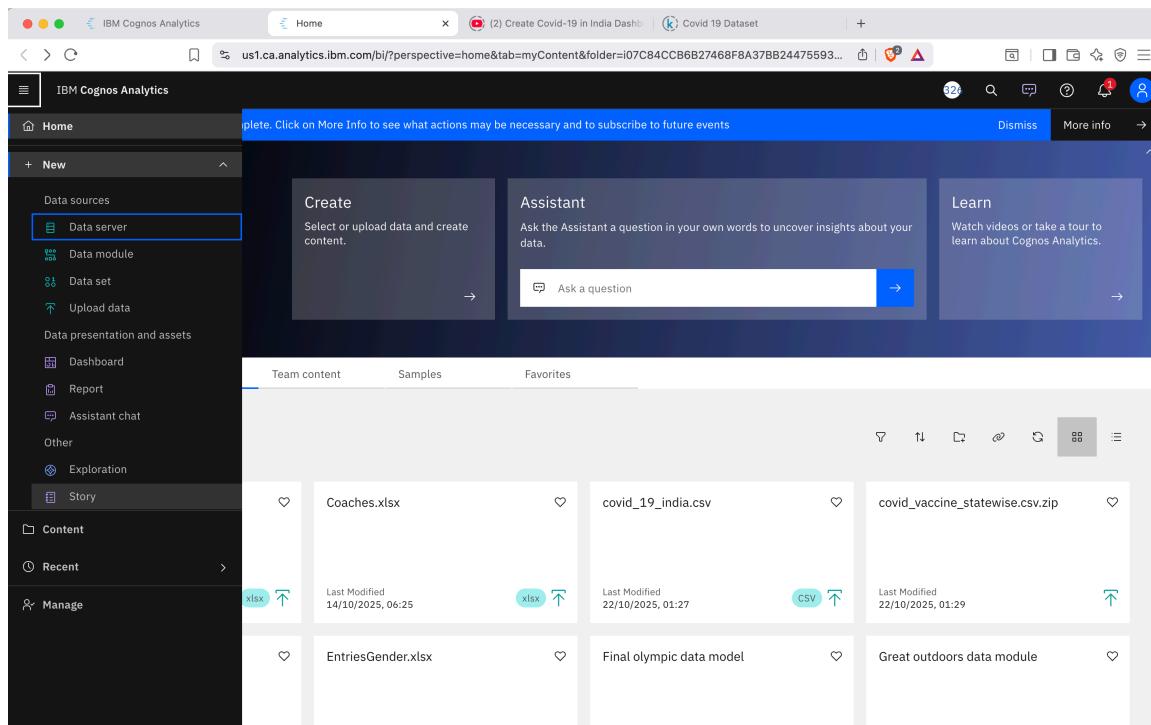
Outcomes/Learning: Through this project, I learned how to use IBM Cognos Analytics to create interactive data stories and visualize large datasets effectively.

Required Tool: IBM Cognos Analytics
Working: The COVID 19 dataset was uploaded, analyzed, and visualized using various charts and graphs. A data story with multiple scenes was created to show key insights.

Step 1: Login to IBM Cognos Analytics.



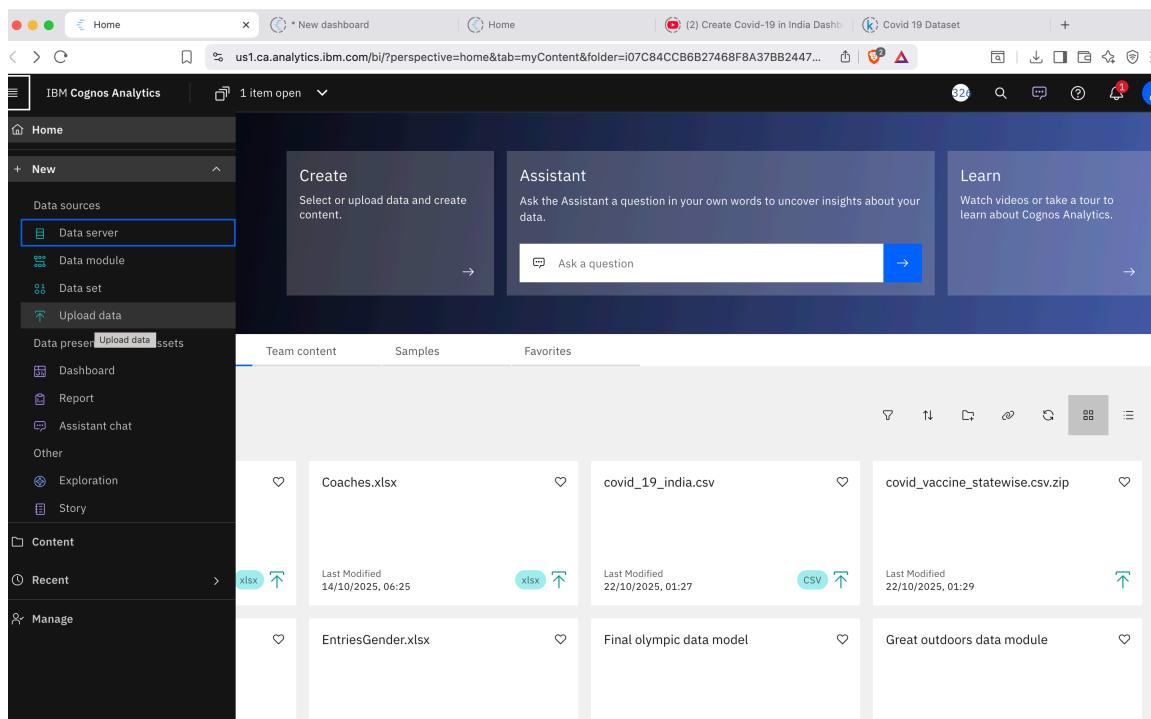
Step2:open the new manu and select Data source.



The screenshot shows the IBM Cognos Analytics interface. The left sidebar has a dark theme with various options like 'Home', '+ New', 'Data sources' (which is highlighted with a blue border), 'Data module', 'Data set', 'Upload data', 'Data presentation and assets', 'Dashboard', 'Report', 'Assistant chat', 'Other', 'Exploration', 'Story', 'Content', 'Recent', and 'Manage'. The main content area has three sections: 'Create' (Select or upload data and create content.), 'Assistant' (Ask the Assistant a question in your own words to uncover insights about your data.), and 'Learn' (Watch videos or take a tour to learn about Cognos Analytics.). Below these sections is a grid of recent items:

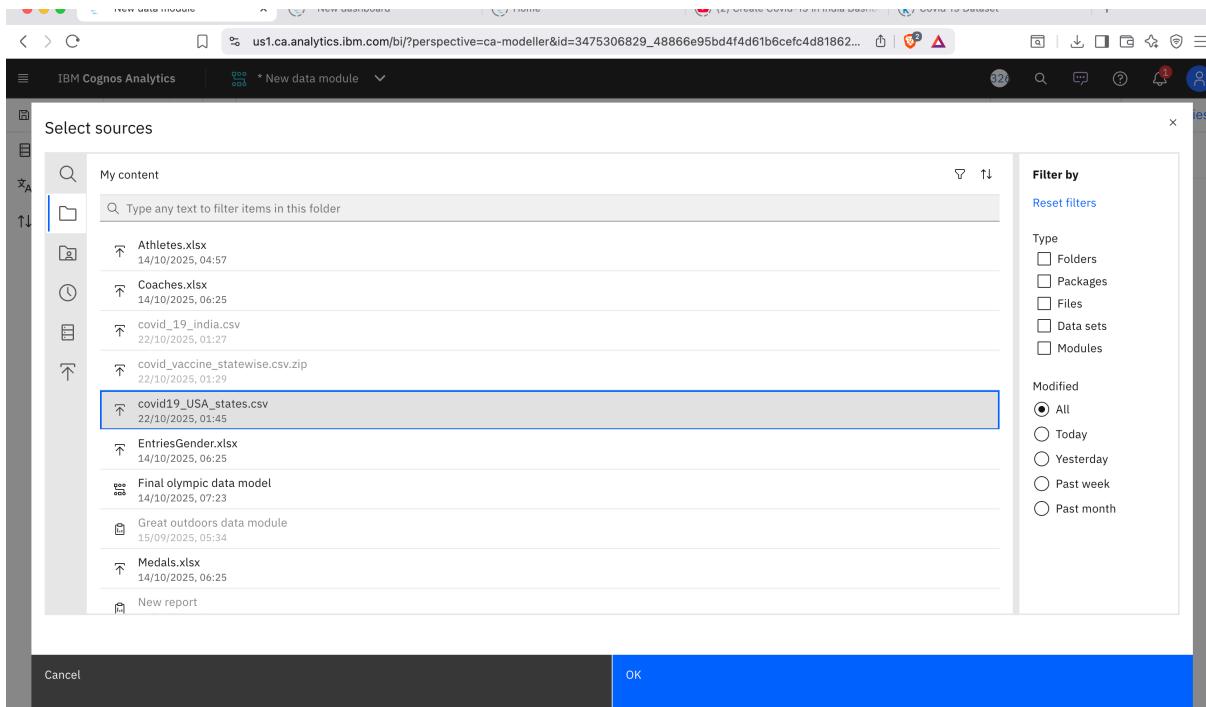
Item	Description	Last Modified
Coaches.xlsx		14/10/2025, 06:25
covid_19_india.csv		22/10/2025, 01:27
covid_vaccine_statewise.csv.zip		22/10/2025, 01:29
EntriesGender.xlsx		
Final olympic data model		
Great outdoors data module		

Step3:Upload the dataset into IBM Cognos Analytics.



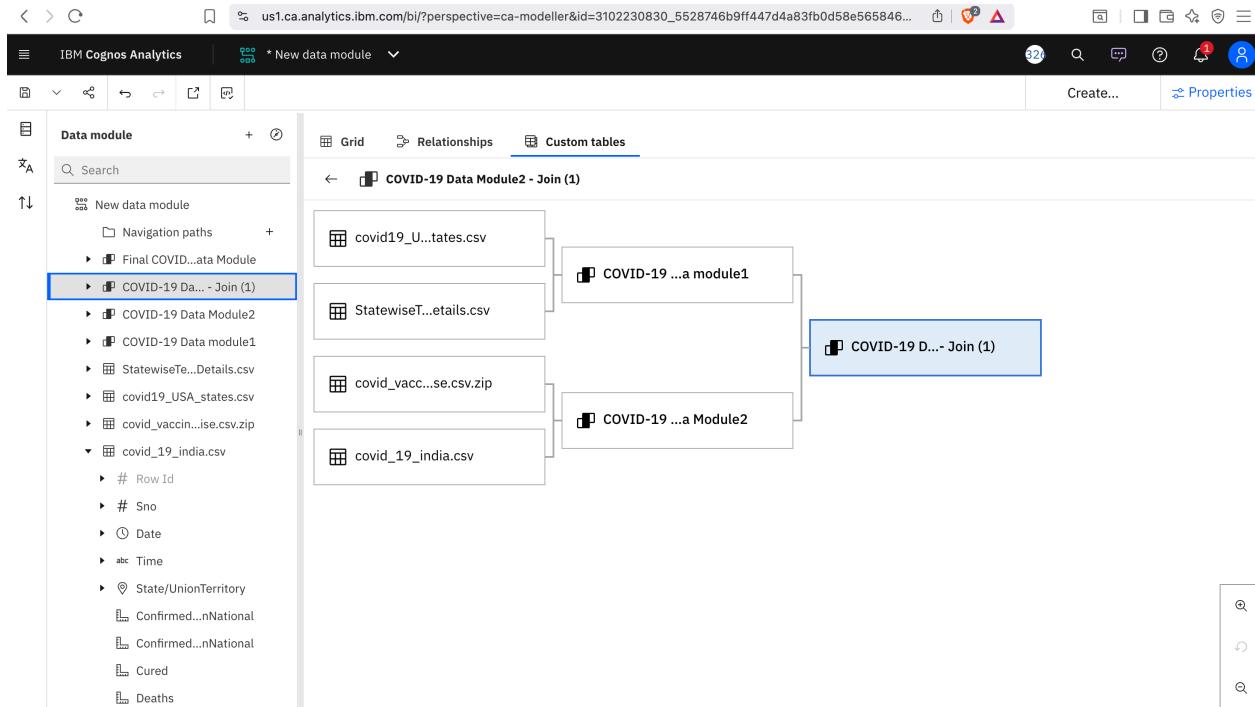
This screenshot is identical to the one above, but the 'Upload data' option in the left sidebar is now highlighted with a blue border. The rest of the interface and the list of recent items are the same.

Step4: After uploading data the **COVID-19.csv** file successfully, the next step into convert this **uploaded data** into a **Data module**.

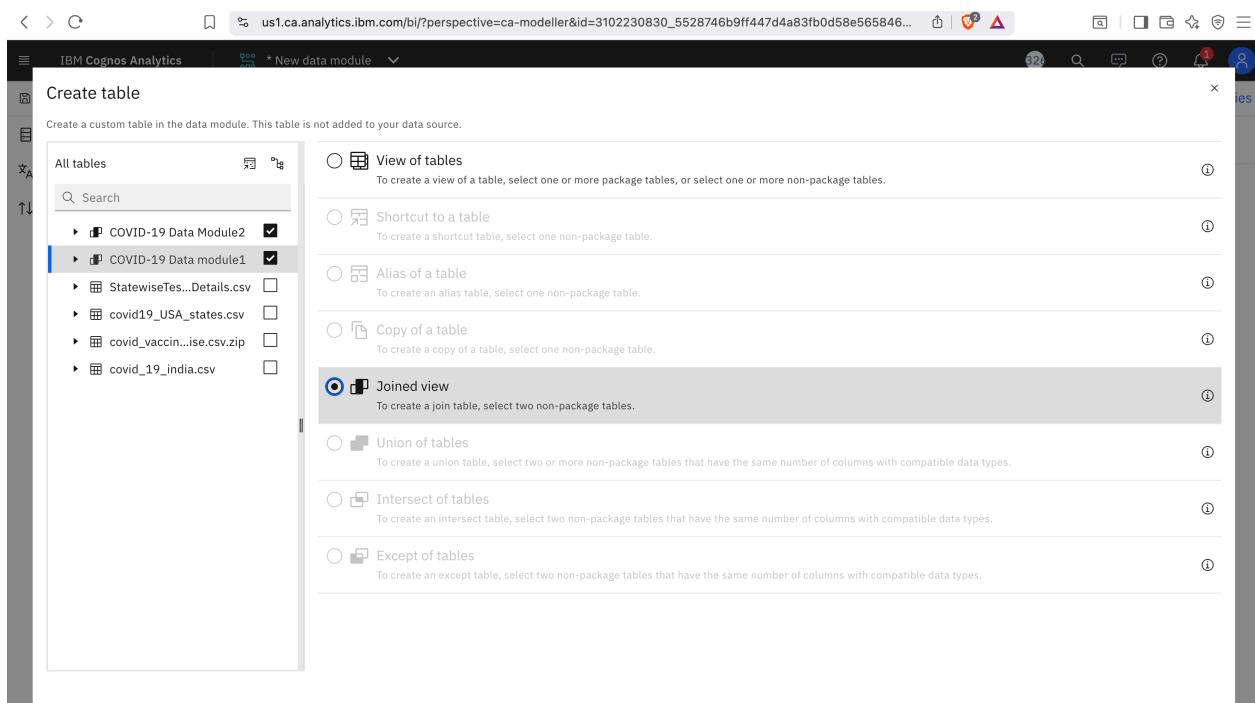


Step5: After verification , we save the module using the **save as option** and give it a proper name
(for exp.COVID-19 Data module)

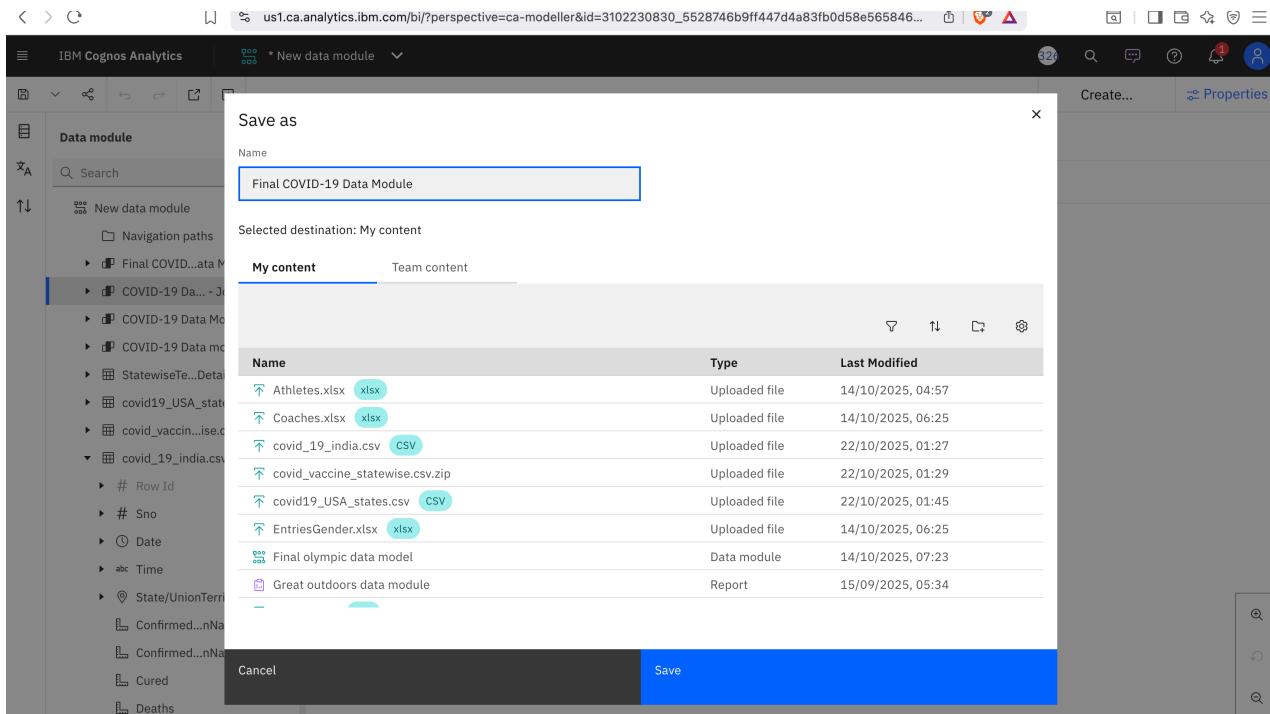
Step6: In this step the uploaded dataset COVID-19 dataset is converted and saved as a final COVID-19 Data module.



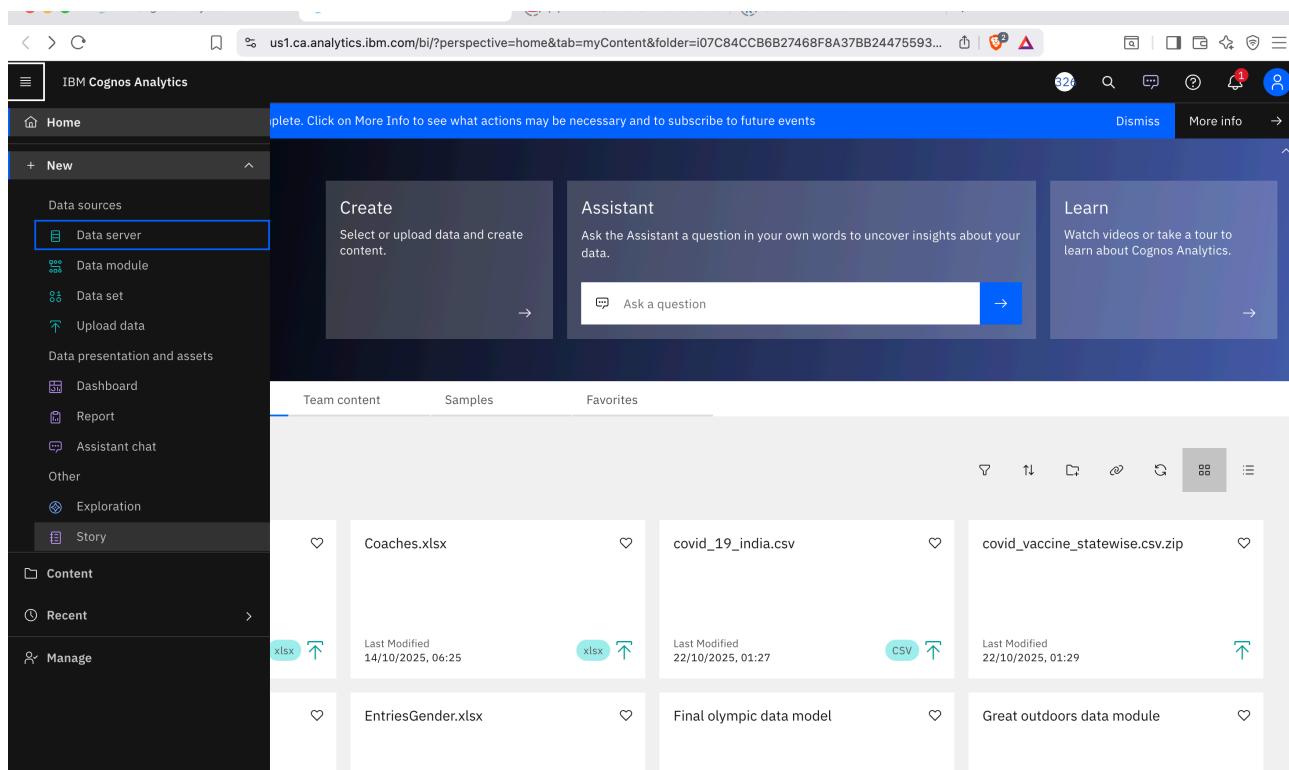
Step7: After join the data Data module.



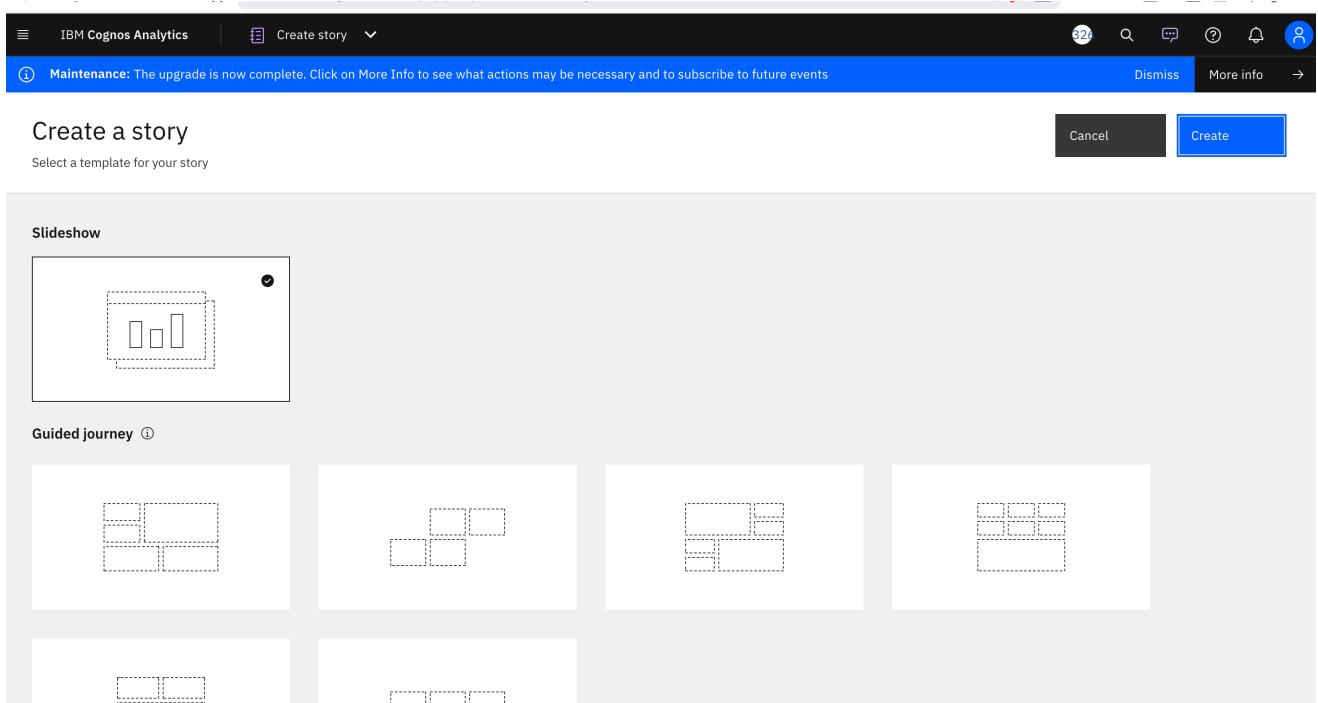
Step8: After preparing and saving Final COVID-19 Data module, the next step is saved data in my content.



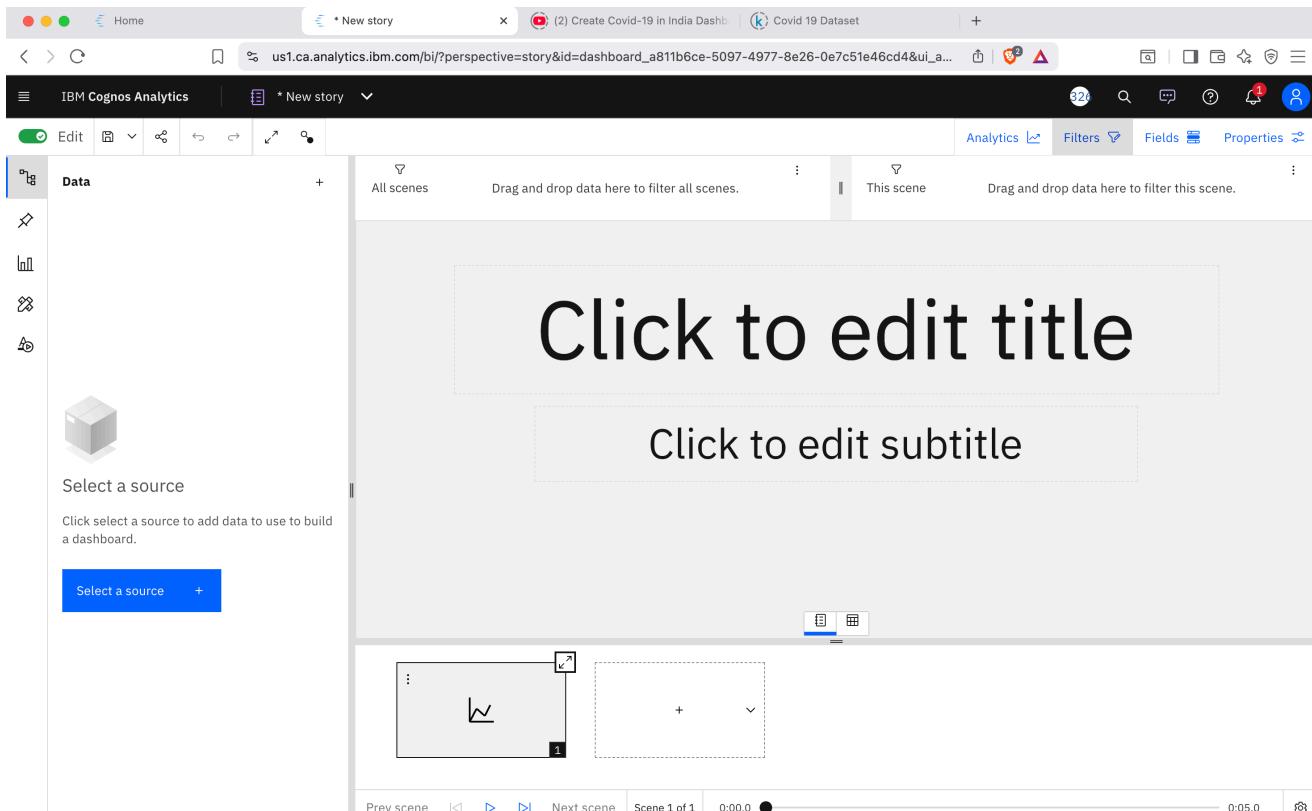
Step9: After preparing and saving the final COVID-19 data module, the next step is to create a new story from the new menu on the left side of the IBM Cognos Analytics home screen



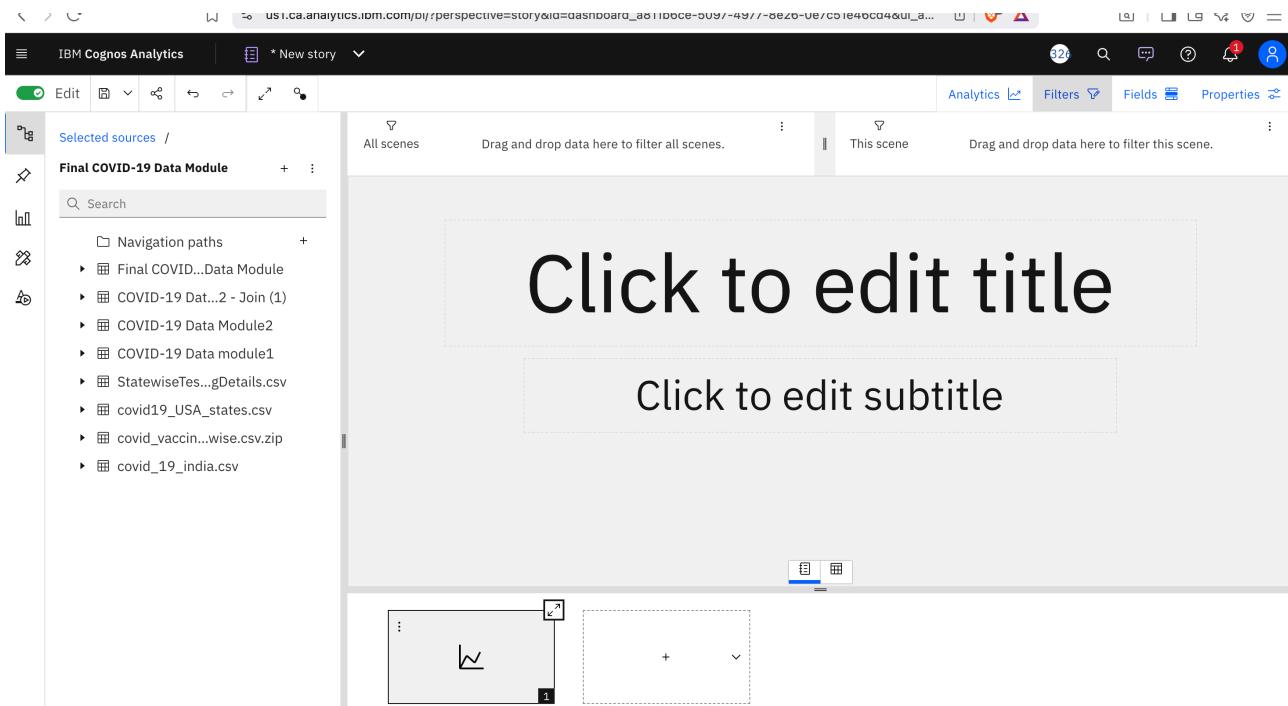
Step10: A new window appears titled **create story** which allows you to choose a suitable layout template for your story.



Step11: After creating the story layout ,the story workspace open in **IBM Cognos Analytics**. The workspace includes different sections such as tabs **analytics ,filter, fields, and properties to manage and design the dashboard** .On the left side a panel appears with the option select a source to connect to the data story .Click on the select a source button and choose the final **COVID-19 Data module** as the main data source.

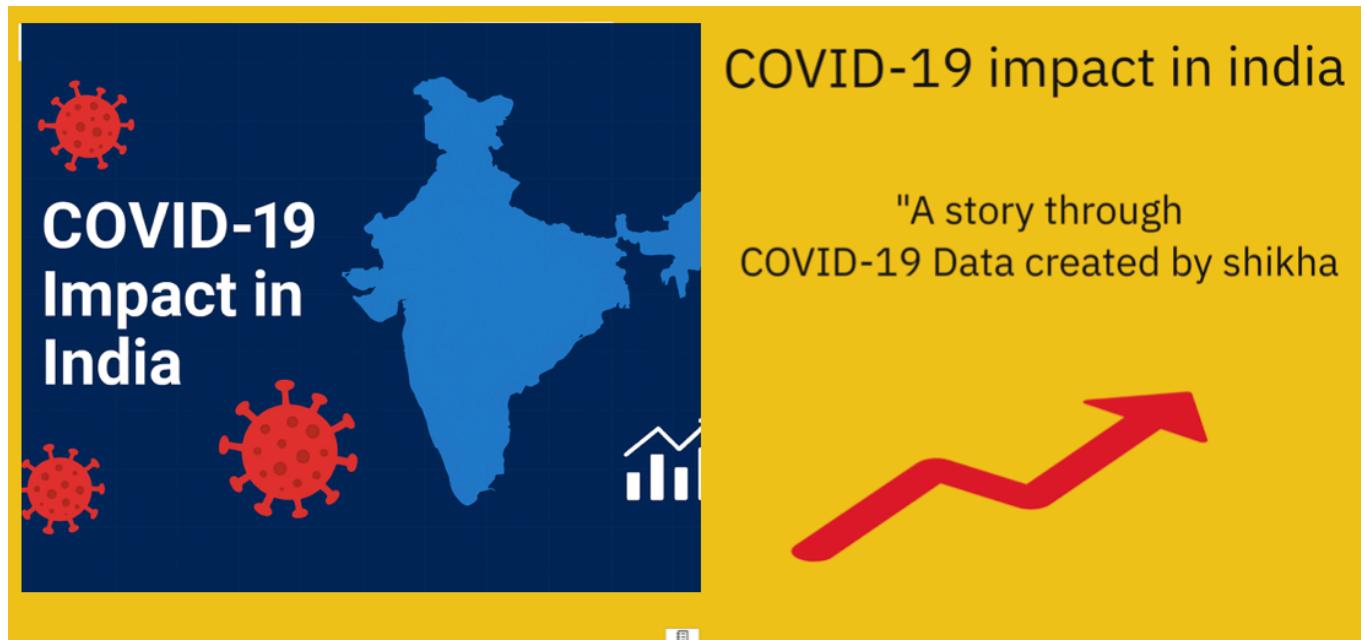


Step12: After clicking on **Select a source**, a new window opens showing all available datasets and data modules under the My content section. From this list, we select **Final Covid-19 Data Module**, which was



Step13: In this step, I created the opening scene of my data story in **IBM Cognos Analytics** titled "**COVID-19 Impact in India Story.**"

This scene introduces the project and gives a visual overview of the topic.

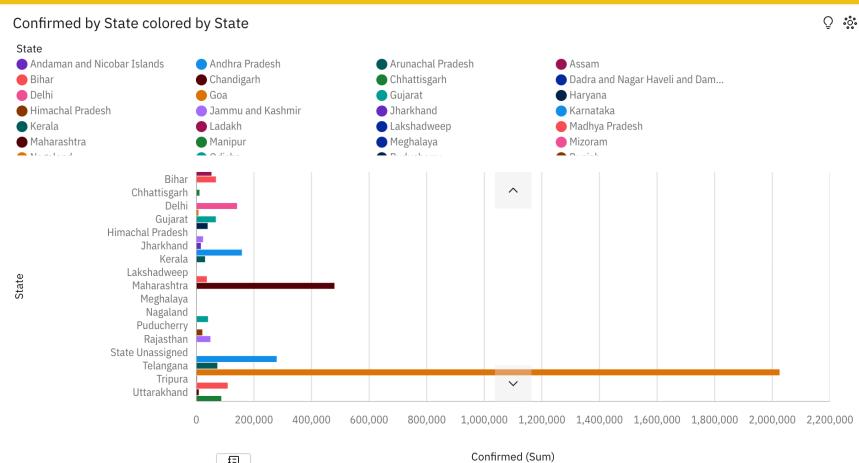


Step14: Adding the **Bar chart** visualization A Bar chart was added to compare the total confirmed COVID-19 cases for each state . The X-axis represent the state And while Y-axis represent the sum of confirmed cases

COVID-19 cases by state



- Description: - "state-wise comparision of COVID-19 cases to highlight the distribution and identify the resions with higher case counts".

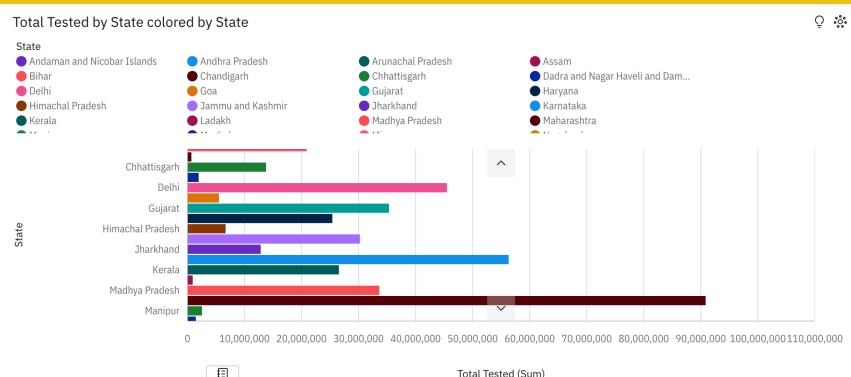


Step15: Adding the Bar chart visualization A **Bar chart** was added to compare the total confirmed COVID-19 tested by state. The X-axis represent the state And while Y-axis represent total tested

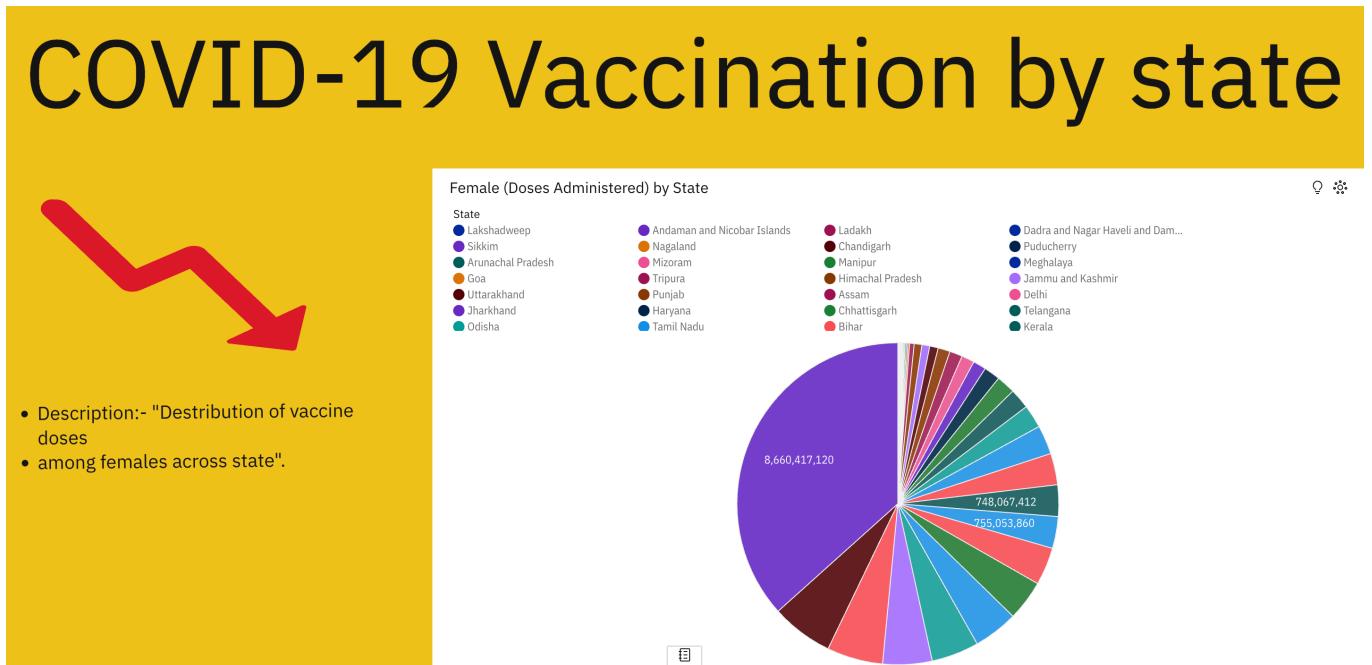
COVID-19 tested by state



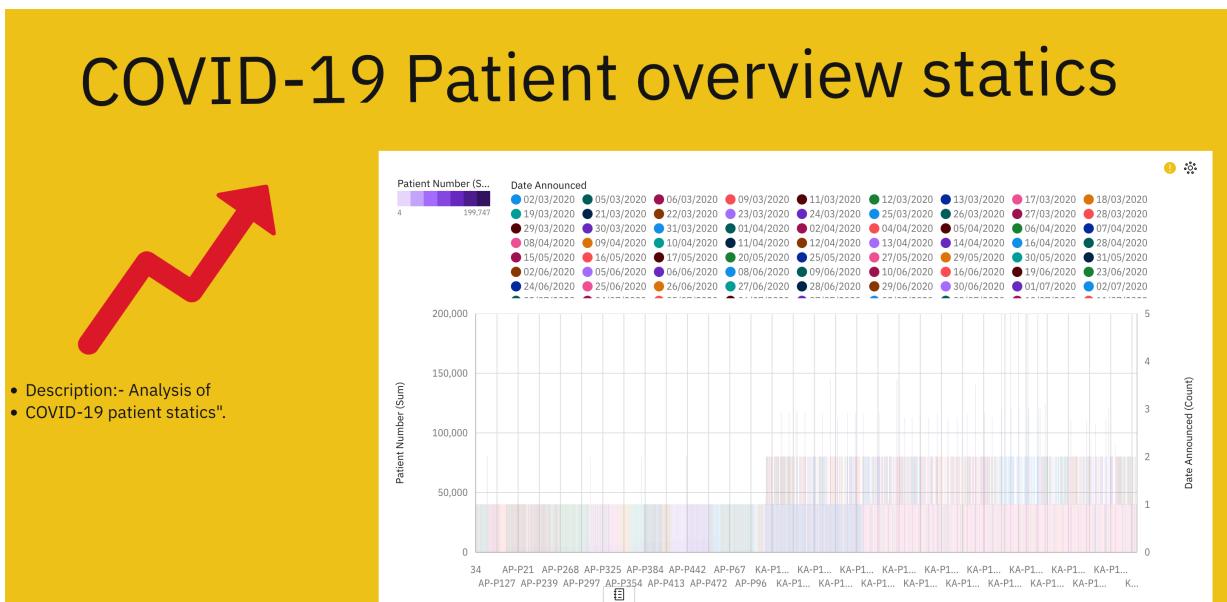
- Description:- "showing the total number of COVID-19 tests conducted across indian states , highlighting testing coverage and state-wise comparision".



Step16:Selecting Visualisation type pie chart.



Step17:Selecting visualisation type Dual-axis column.



Step18:select the visualisation type **Line chart** and **Bar char** , **Line chart** represents the trends by state while **Bar chart** represent the cases by state.

