

Hands-on Lab: Analyzing Data With Cognos Analytics.



Estimated time needed: 20 minutes.

Objective for Exercise:

- To create a dashboard with Billing data using IBM Cognos Analytics and analyze the regionwise spend.

Note: Click on the [data link](#). Right-click and choose **Save AS....** Save the file in your local system as *Billing-data.csv*.



Task 1 - Connect to IBM Cognos Analytics.

- Go to [IBM Cognos Analytics](#), login with your IBM Cloud credentials and launch Data visualization.

Products

Trials

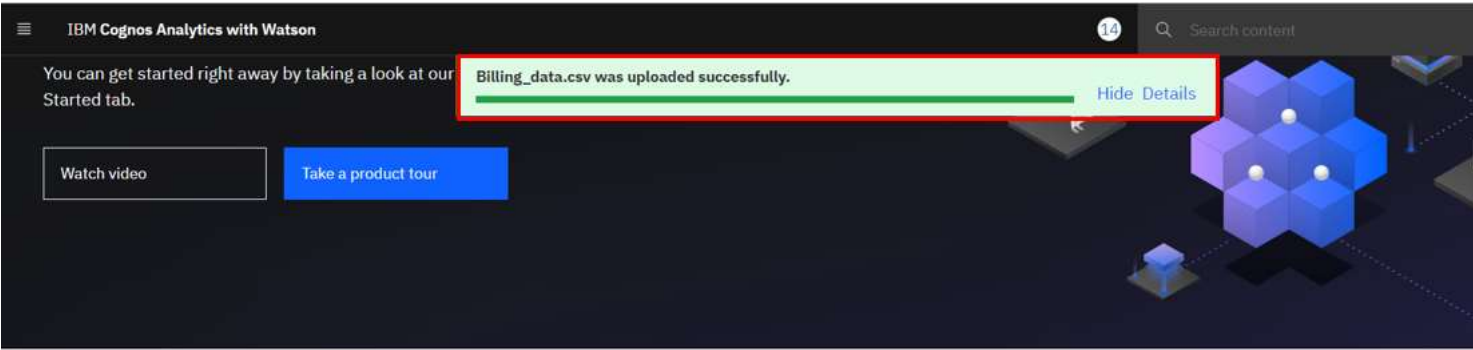
2 Offerings

 Coursera on-line training - Data Visualizations Active Expires on Jun 8, 2022 Launch Manage	 IBM Cloud Active Expires on Jul 1, 2022 Launch Manage
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- Choose the **Upload data** option and select the *Billing_data.csv* stored in your system.

A screenshot of the IBM Cognos Analytics web interface. At the top, there's a header bar with the text "IBM Cognos Analytics with Watson" and a search bar. Below the header, a blue banner contains a maintenance notice. The main content area is titled "Quick launch" and features four large, light-gray rectangular buttons. The first button, "Upload data", is highlighted with a red border and contains an upward-pointing arrow icon and the text "Upload or drag and drop spreadsheets, csv files, and other data sources." The other three buttons are "Prepare data", "Exploration", and "Present data", each with its own icon and descriptive text.

- If the data is loaded successfully it shows a successfully loaded.



Quick launch

Upload data

Upload or drag and drop spreadsheets, csv files, and other data sources.

Prepare data

Use data modules to clean and connect data from multiple resources.

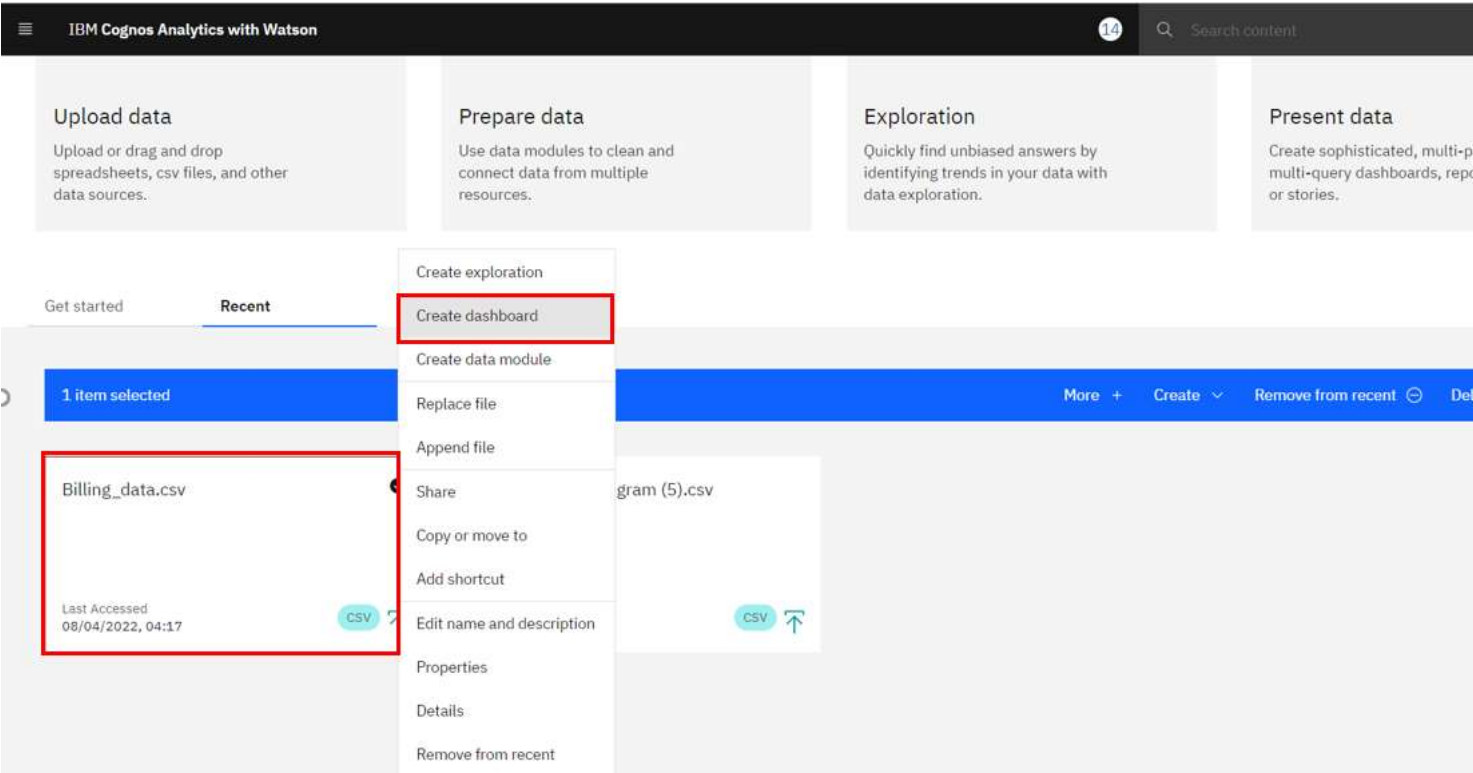
Exploration

Quickly find unbiased answers by identifying trends in your data with data exploration.

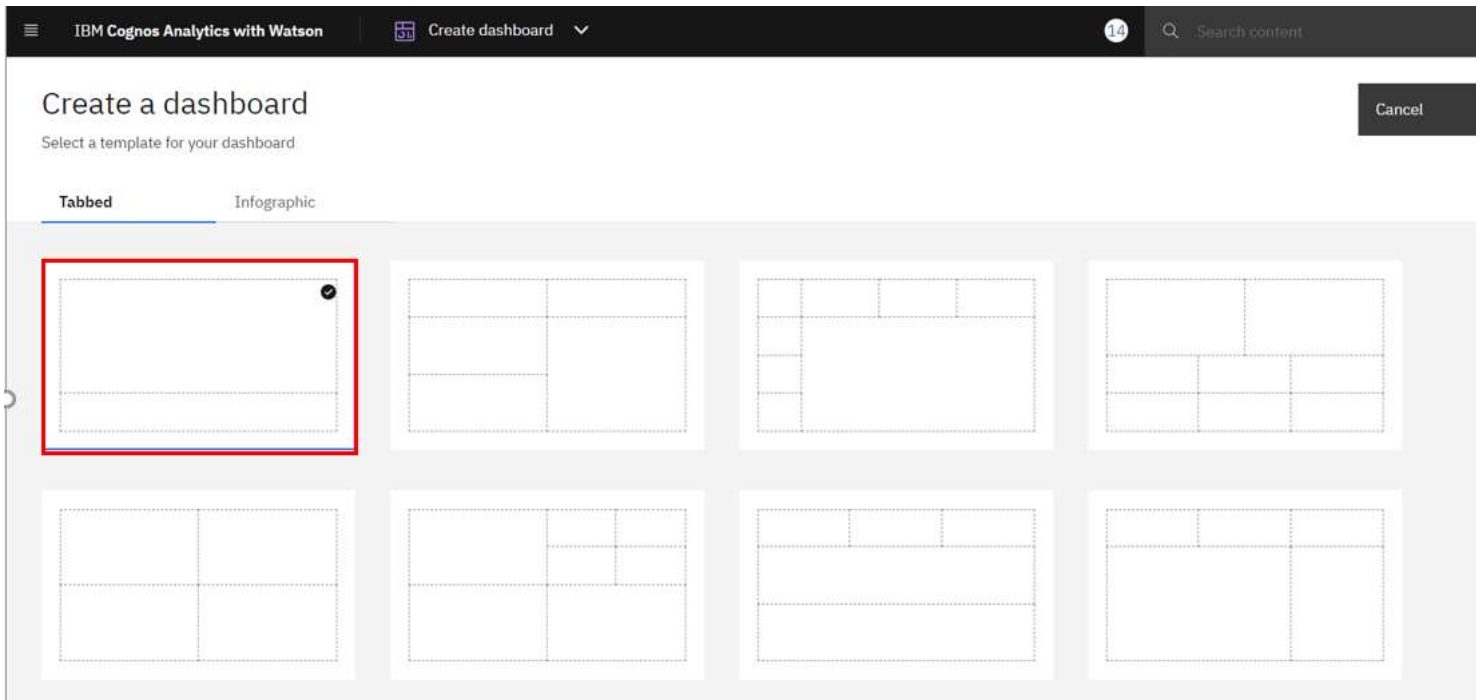
Present data

Create sophisticated, multi-p multi-query dashboards, reports or stories.

4. Go to **Recent** and right Click on **Billing_data.csv** and click on create dashboard.



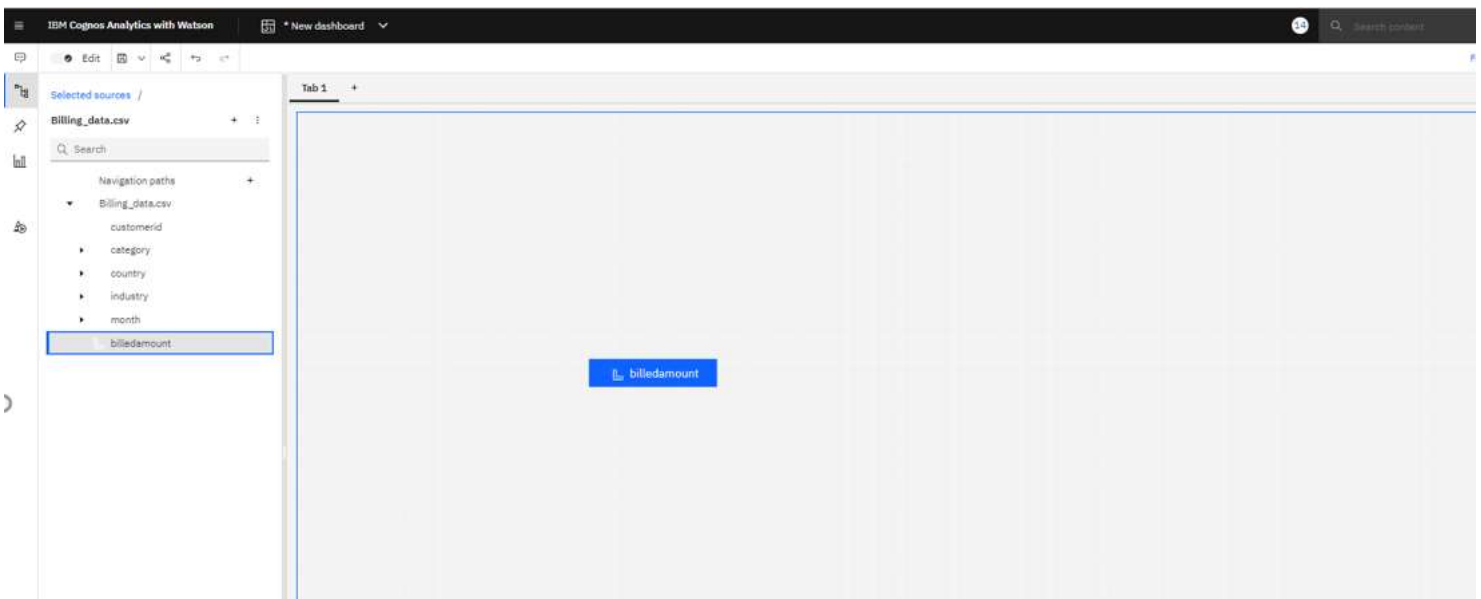
5. Choose to a dashboard and Click on **Create**.



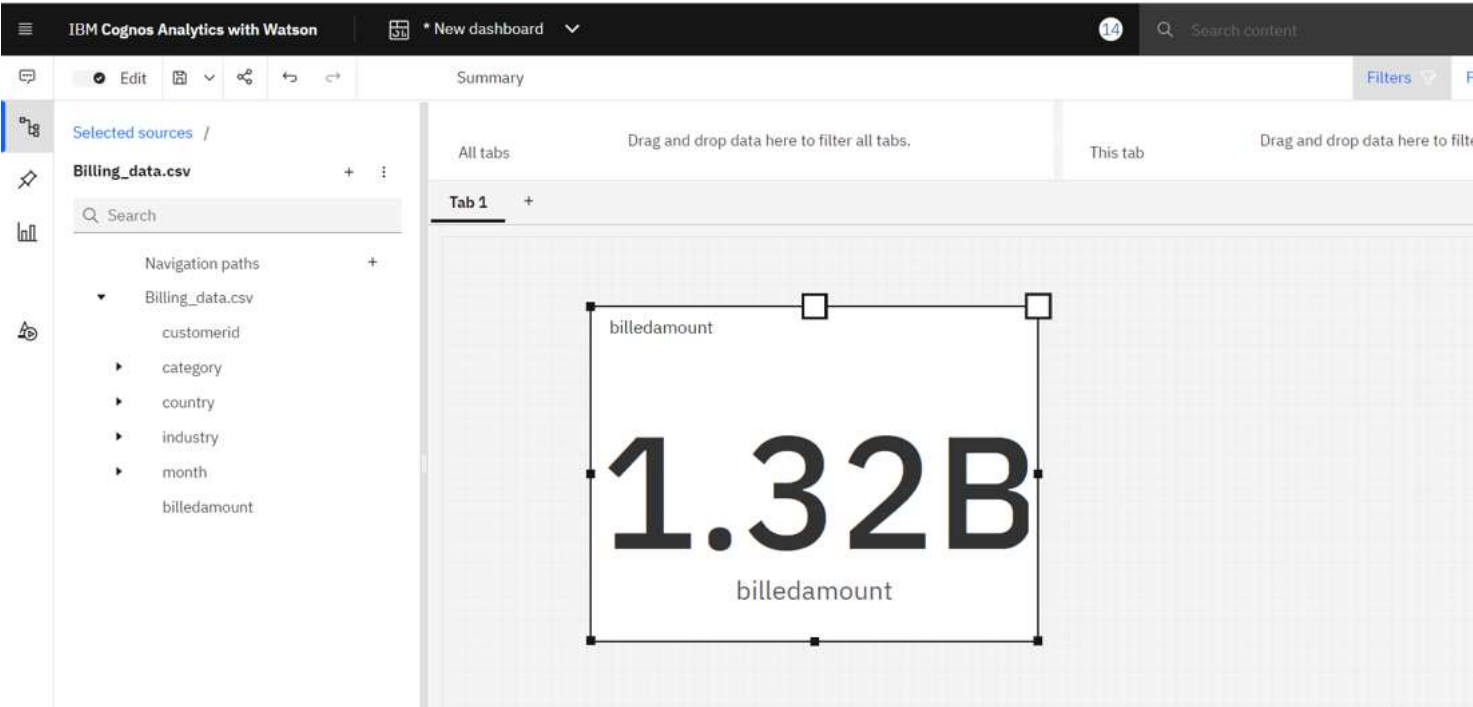
Task 2 - Visualization

You will now see the table listed on the left panel with all the attributes.

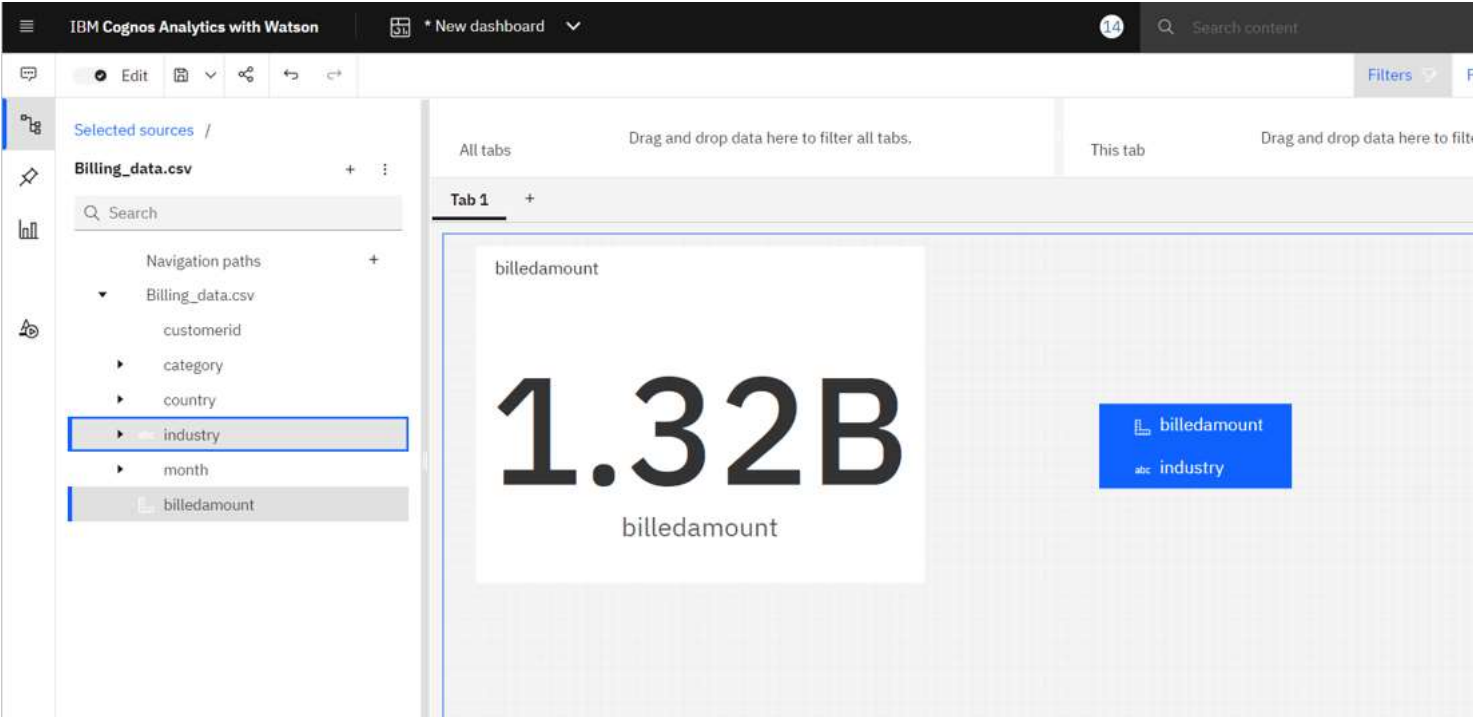
1. Drag and drop the **Billed Amount** on the template.

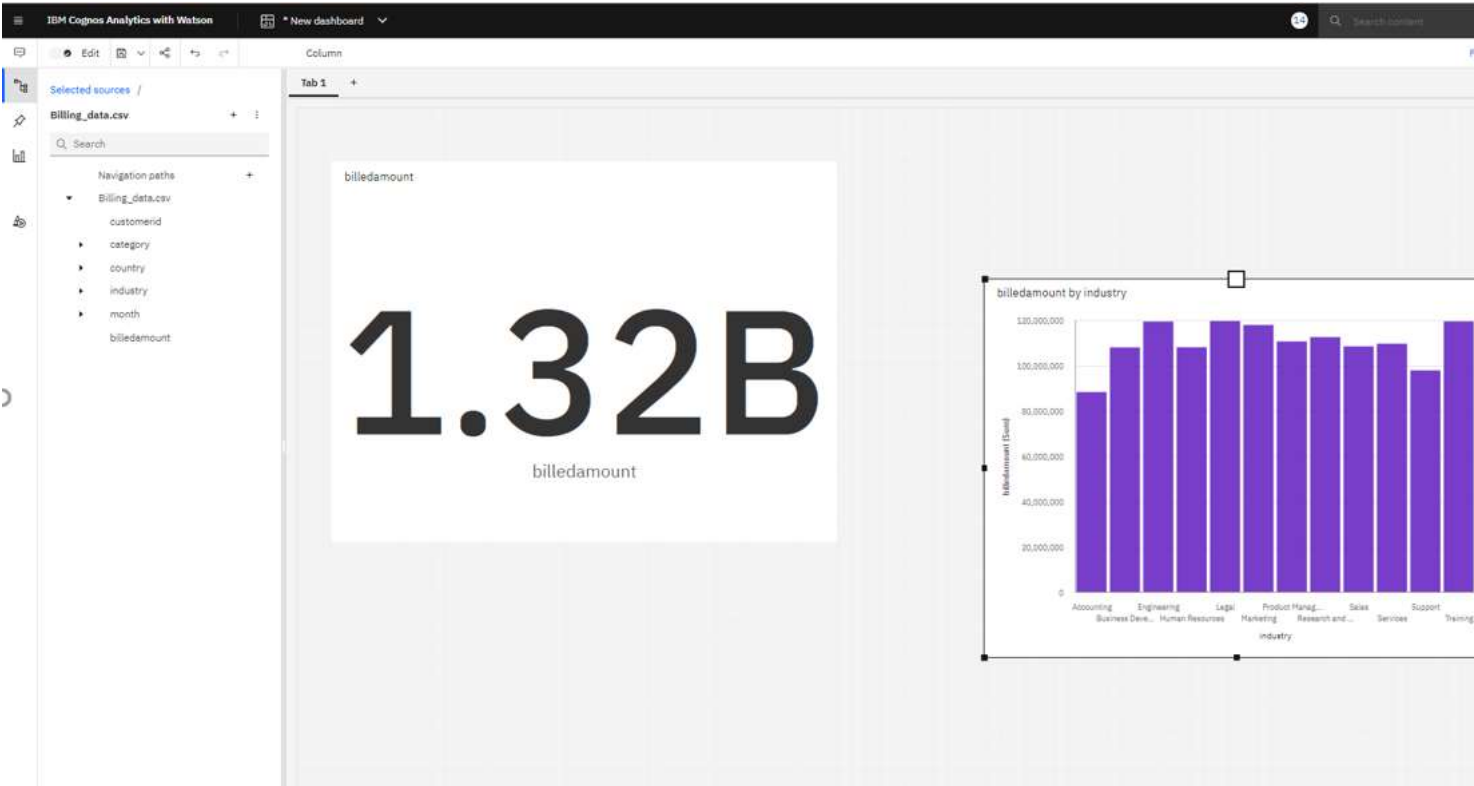


2. The total billed amount will now appear on the Dashboard. The size and position can be adjusted as per requirement and the text display can be edited and formatted by double-clicking on it.

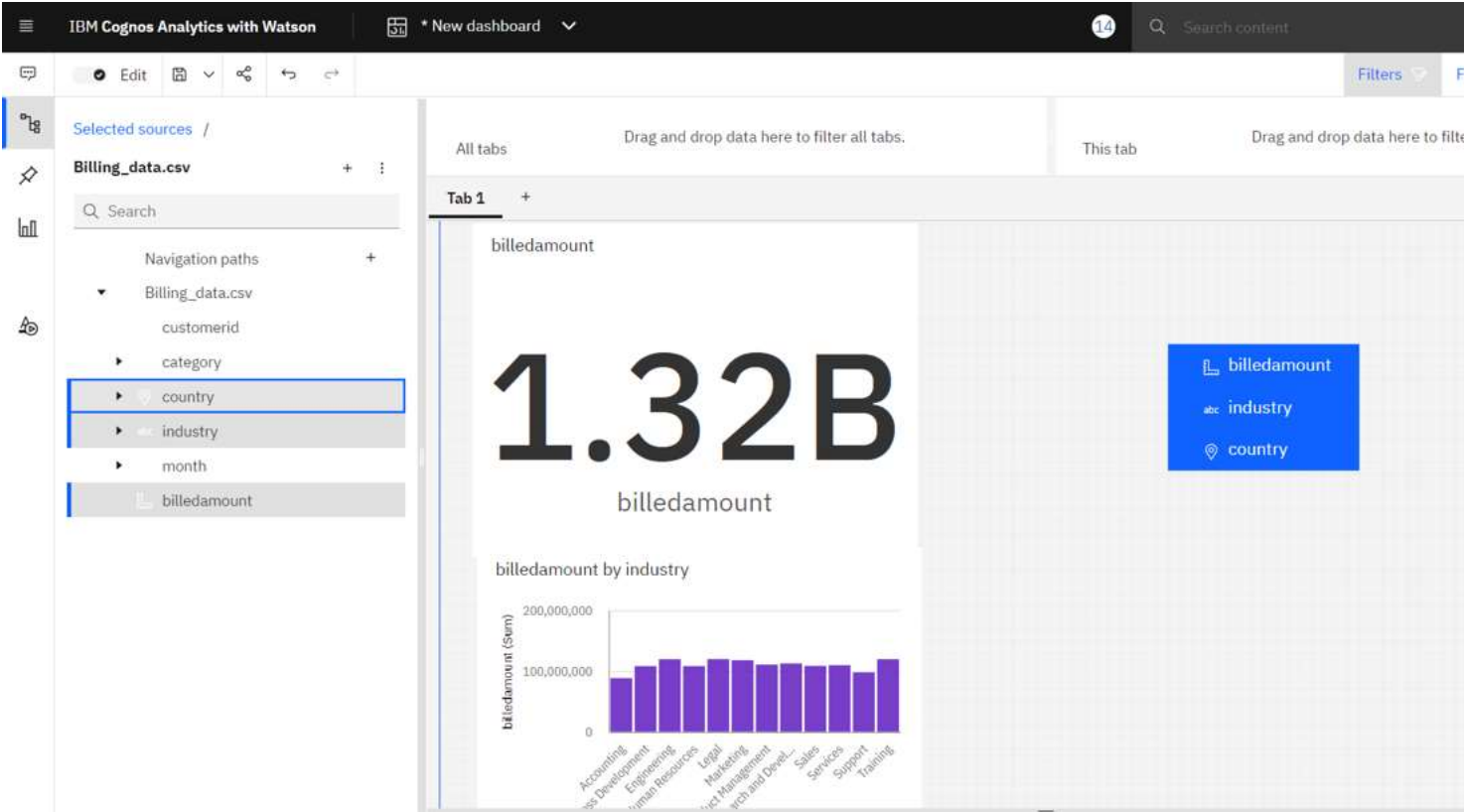


3. Drag and drop **Billed Amount** and **Industry** onto the dashboard as shown in the following image. With this, we can visualize the build amount per industry.

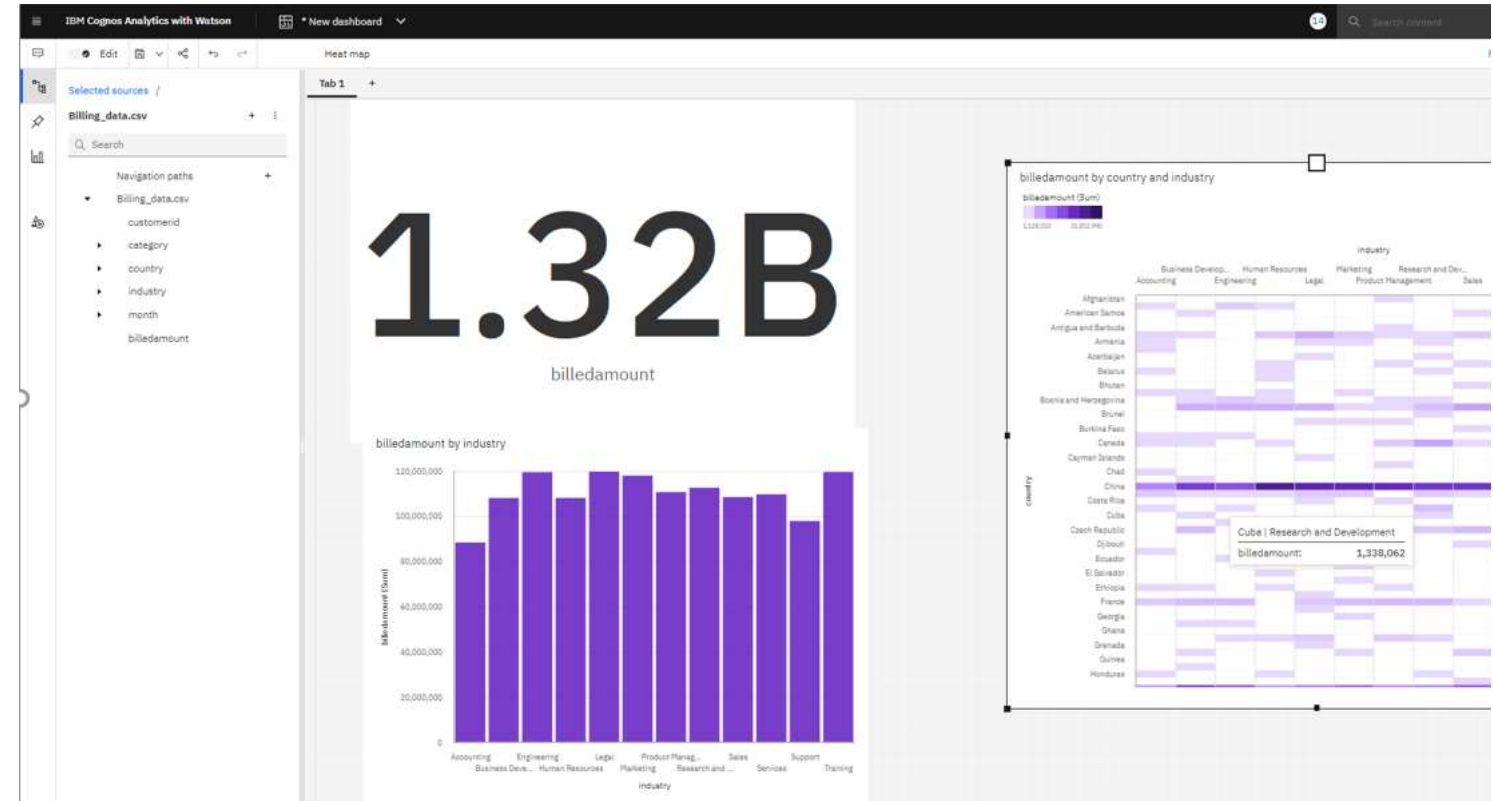




4. Drag and drop **Billed Amount, Country and Industry** onto the dashboard as shown in the following image. This will generate a heat map of spending by country and by industry.



5. The finished dashboard will appear as in the following image.



6. Optionally, try to change the properties and settings to see how the dashboard changes. You can also observe the billed amount changing as you click on a region on the heat map or the bar graph.

Credits

Author(s)

[Niveditha Pandith](#)

Changelog

Date	Version	Changed by	Change Description
2023-05-04	1.3	Vladislav Boyko	Updated and added pages
2022-04-08	1.2	Niveditha	Converted initial version to Cognos Analytics
2021-10-07	1.1	Steve Hord	Copy Edit lab
2020-09-20	1.0	Lavanya	Created the lab

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