



# 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.

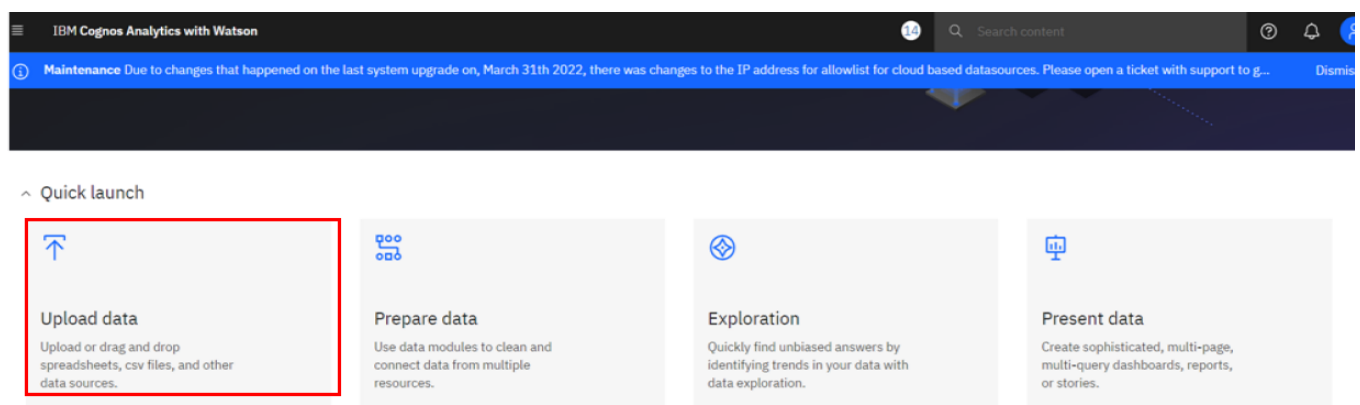
### Products

#### Trials

2 Offerings

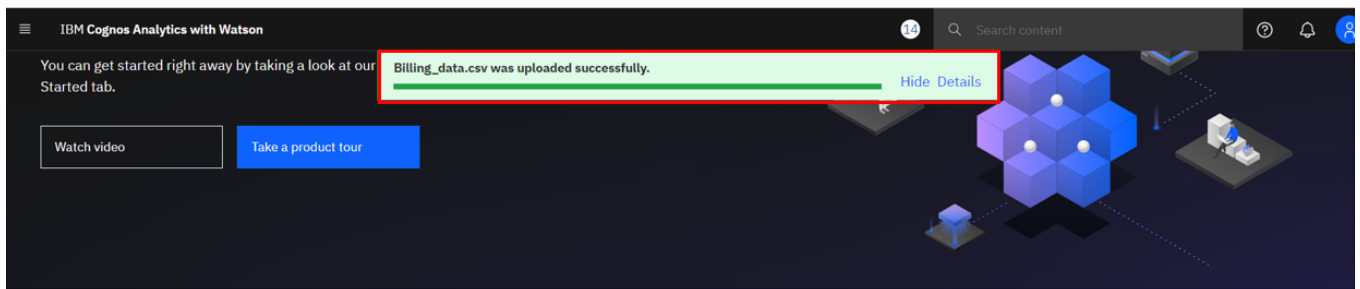
 <b>Coursera on-line training - Data Visualizations</b>  <b>Active</b> Expires on Jun 8, 2022  <b>Launch</b> <b>Manage</b>	 <b>IBM Cloud</b>  <b>Active</b> Expires on Jul 1, 2022  <b>Launch</b> <b>Manage</b>
--	--

- Choose the **Upload data** option and select the *Billing\_data.csv* stored in your system.

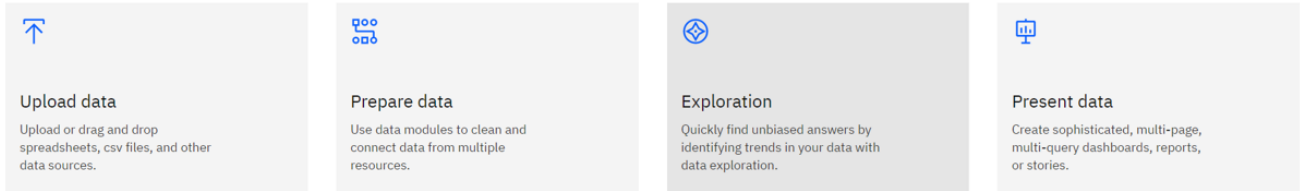


The screenshot shows the IBM Cognos Analytics interface. At the top, there is a header bar with the text "IBM Cognos Analytics with Watson" and a search bar. Below the header, there is a blue banner with a maintenance message. The main content area is titled "Quick launch" and contains four cards: "Upload data", "Prepare data", "Exploration", and "Present data". The "Upload data" card is highlighted with a red box. The "Upload data" card text reads: "Upload or drag and drop spreadsheets, csv files, and other data sources."

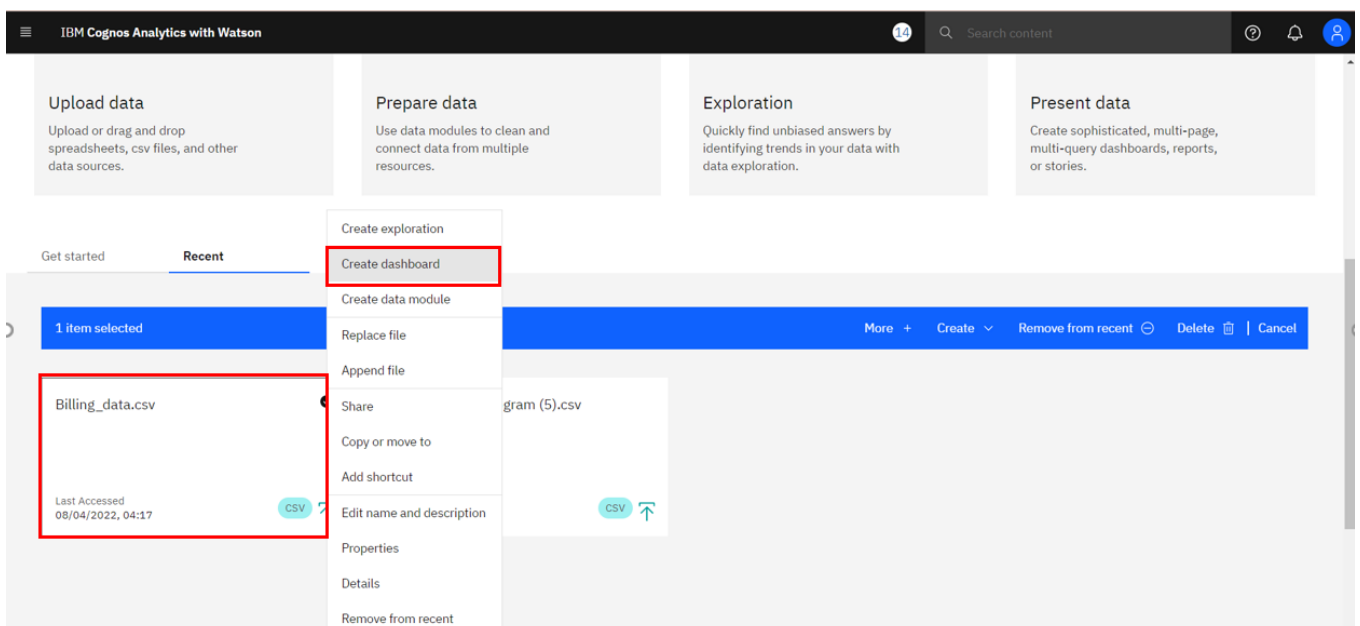
- If the data is loaded successfully it shows a successfully loaded.



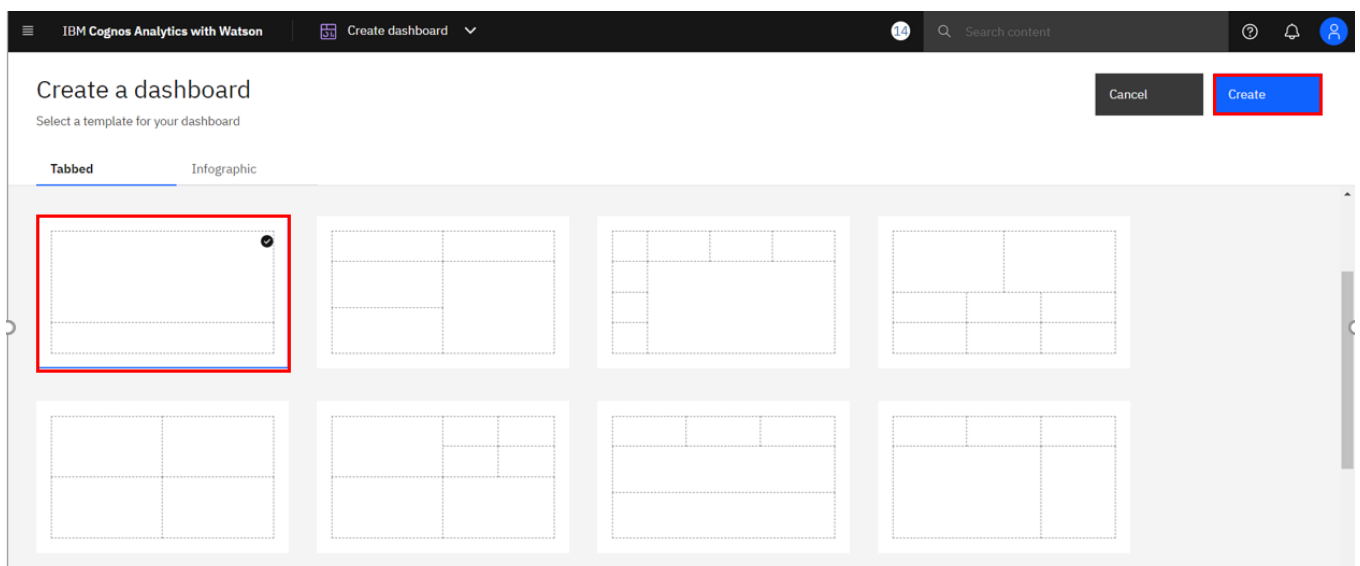
#### Quick launch



4. Go to **Recent** and right Click on **Billing\_data.csv** and click on create dashboard.



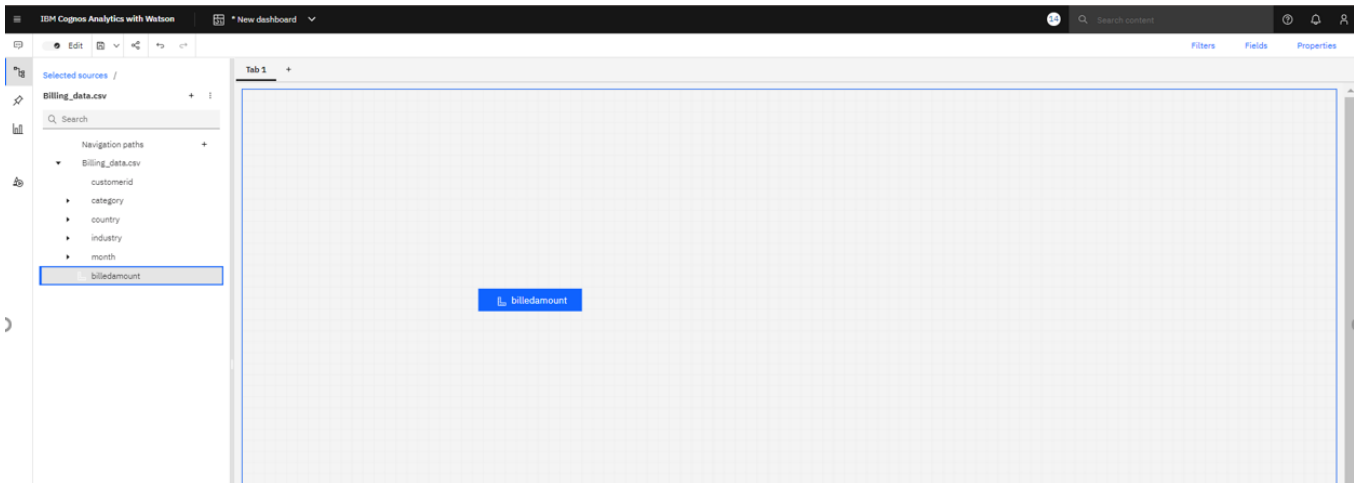
5. Choose to a dashboard and Click on **Create**.



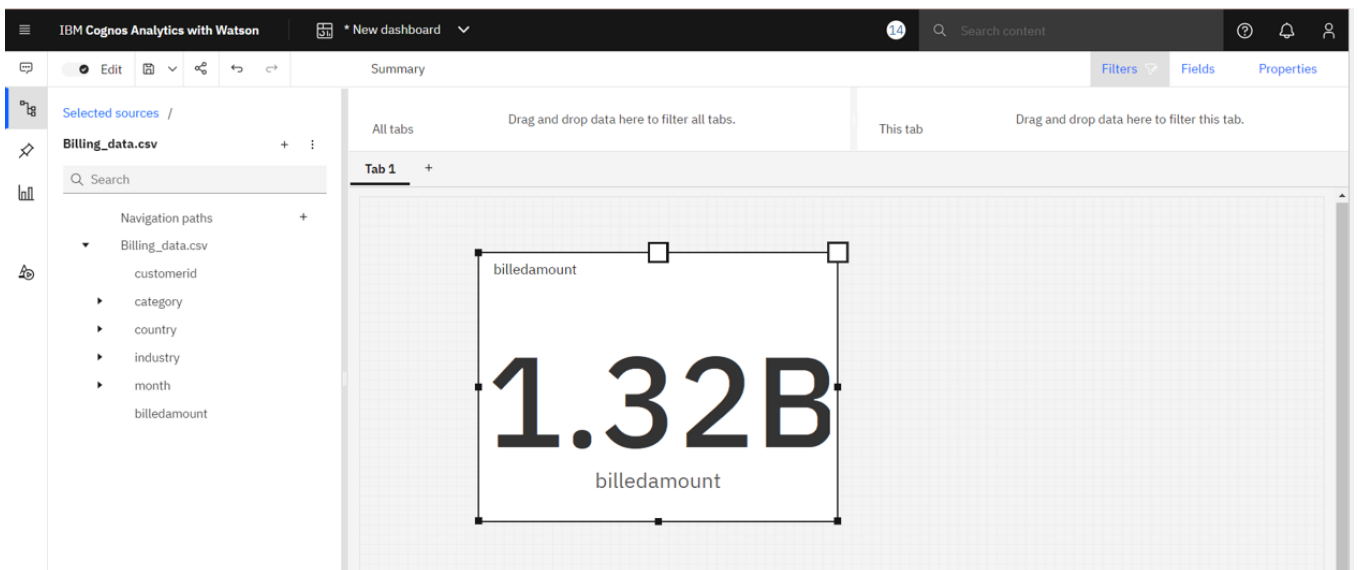
## Task 2 - Visualization

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

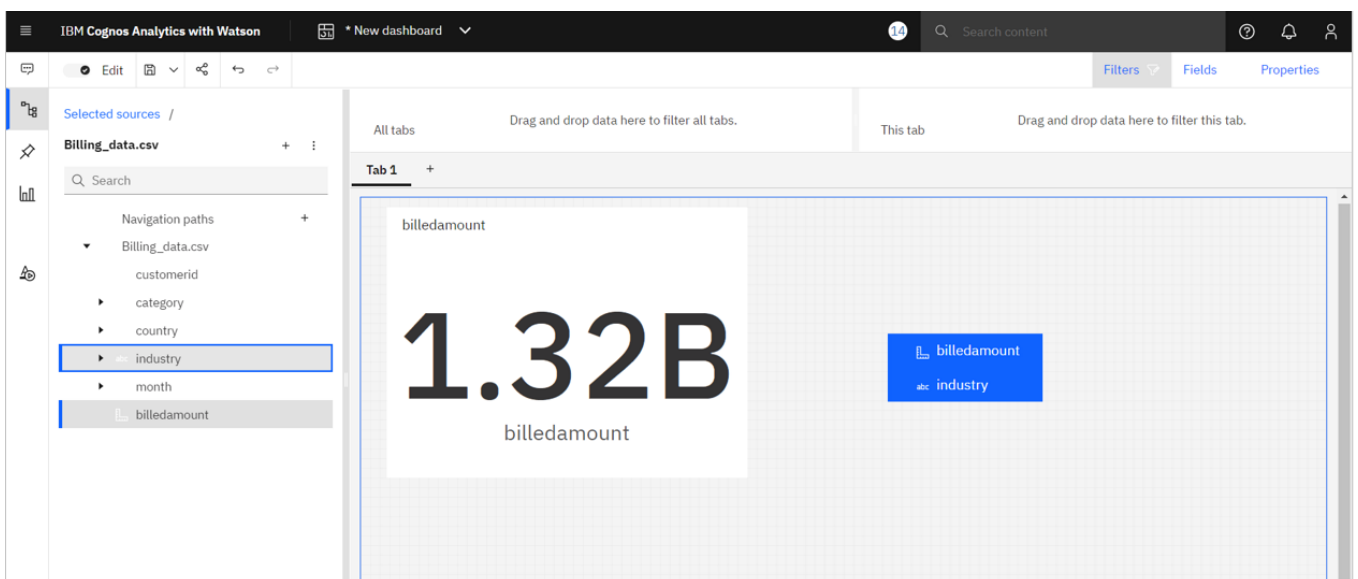
1. Drag and drop the **Billed Amount** on the template.

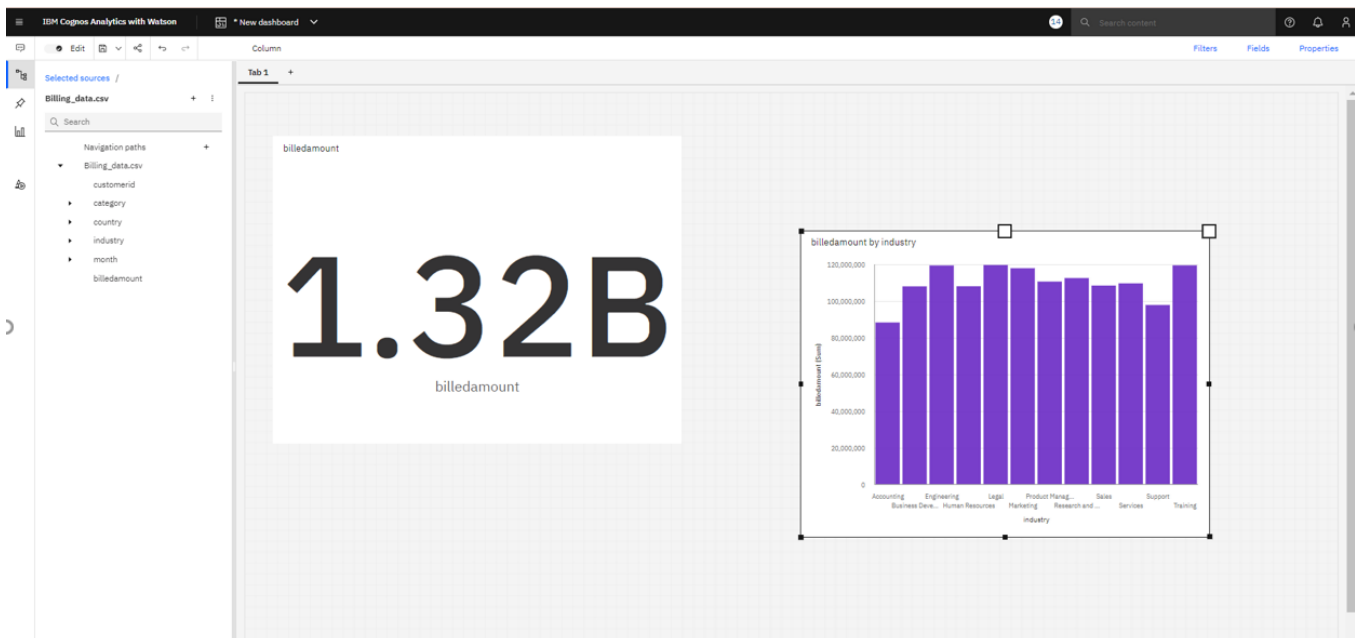


2. The total billed amount will now appear on the Dashboard. The size and position can be adjusted as per requirement and the text display can be edited and formatted by double-clicking on it.

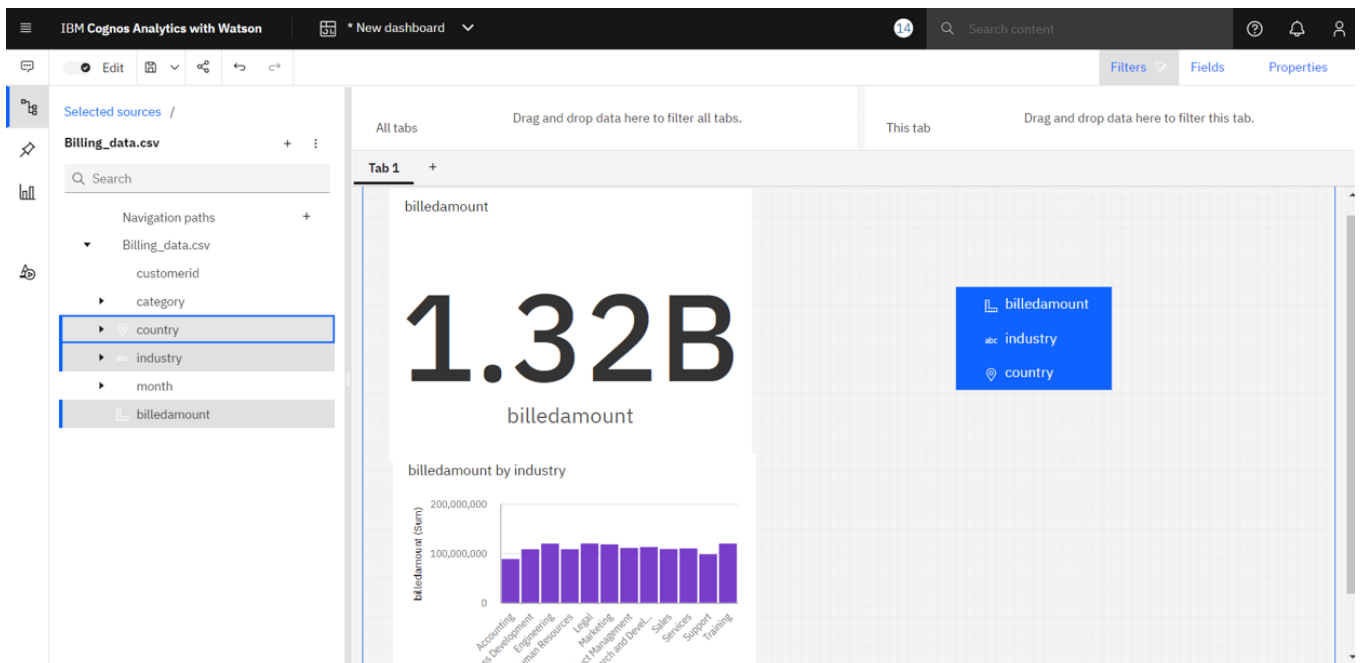


3. Drag and drop **Billed Amount** and **Industry** onto the dashboard as shown in the following image. With this, we can visualize the build amount per industry.

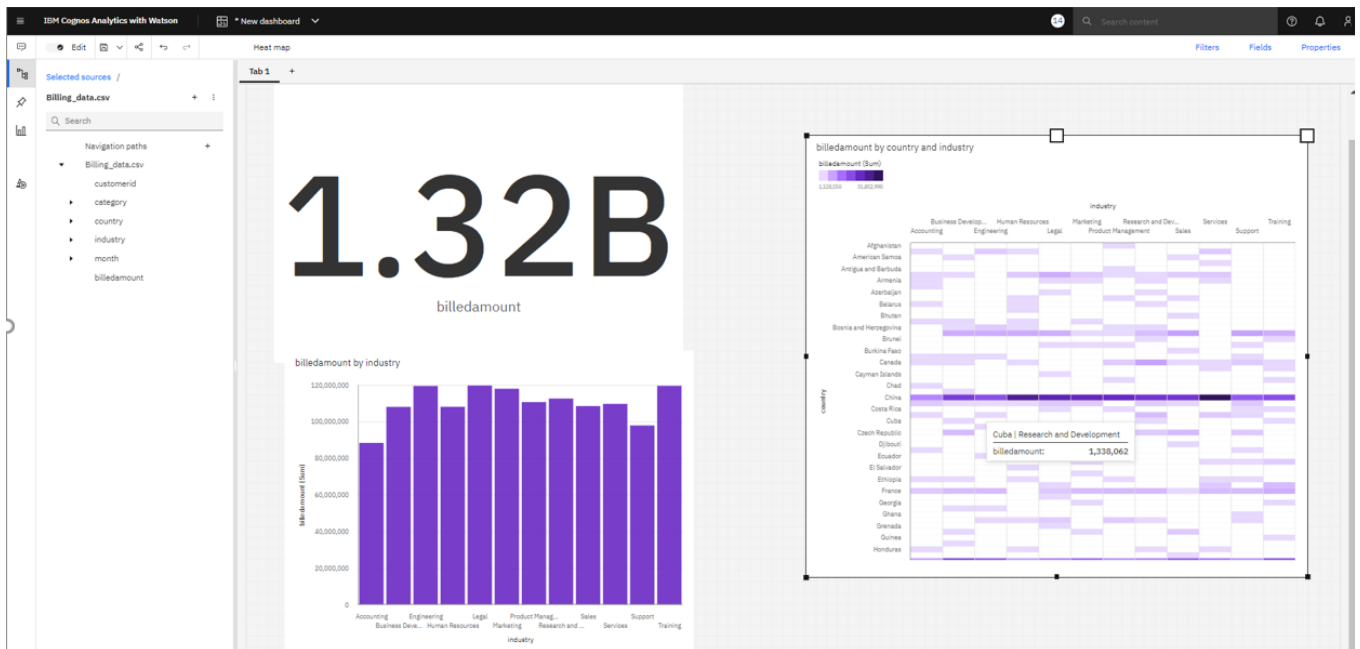




4. Drag and drop **Billed Amount, Country and Industry** onto the dashboard as shown in the following image. This will generate a heat map of spending by country and by industry.



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.

## Author(s)

[Niveditha Pandith](#)

## Changelog

Date	Version	Changed by	Change Description
2022-04-08	1.2	Niveditha	Converted initial version to Cognos Analytics
2020-09-20	1.0	Lavanya	Created the lab
2021-10-7	1.1	Steve Hord	Copy Edit lab

© IBM Corporation 2021. All rights reserved.