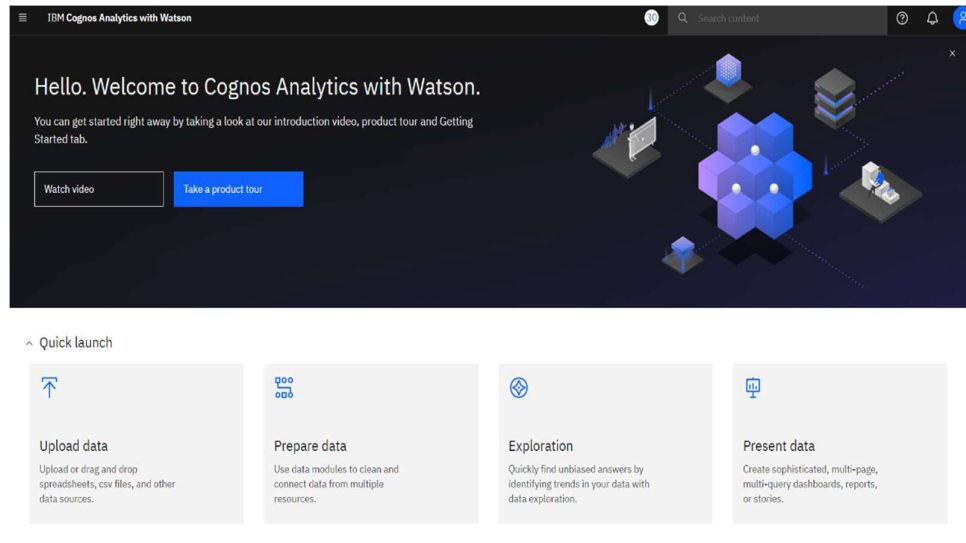


# IBM Cognos

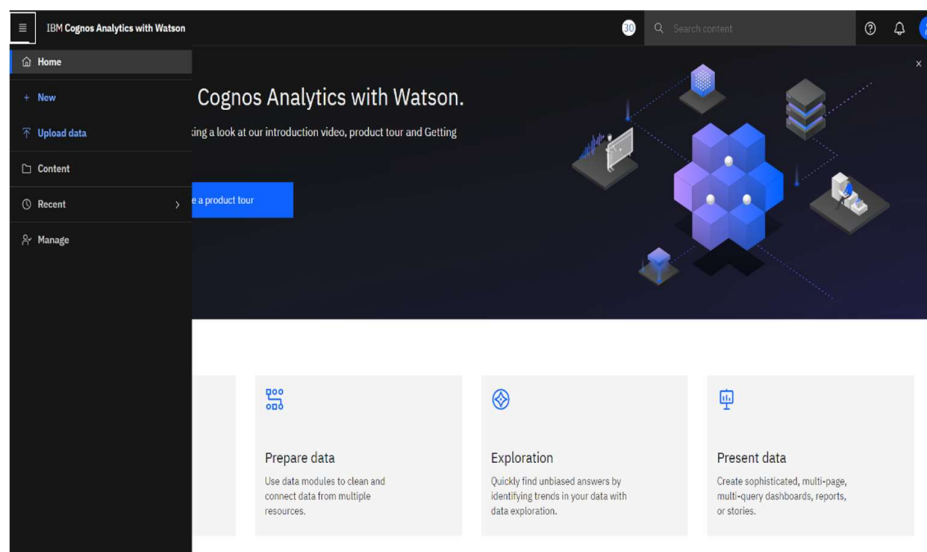
## 1: Sign up for Cognos Analytics

1. Sign up for Cognos Analytics.
2. Click on the Launch button.
3. Cognos Analytics Platform.



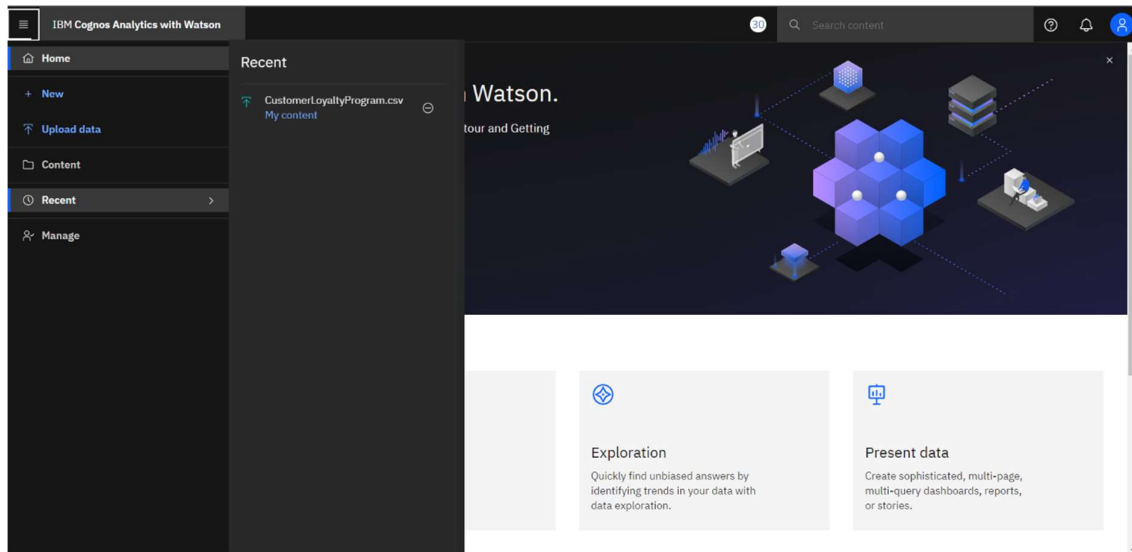
## 2: Navigate around Cognos Analytics UI

1. Navigate around Cognos Analytics UI.
2. Click on the Navigation bar:
  - New → Create a new dashboard, data modules
  - Upload files → Upload new files
  - Content → use to work on different Samples
  - Recent → shows recently used files.



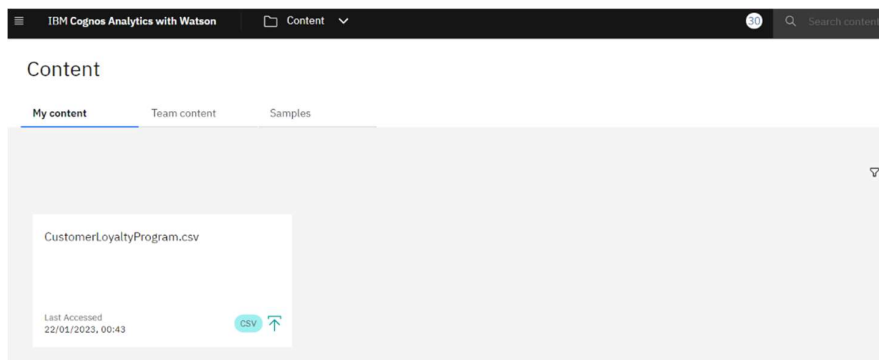
## 3: Create a Simple Dashboard with Cognos Analytics

## Task A: Upload External Data Files

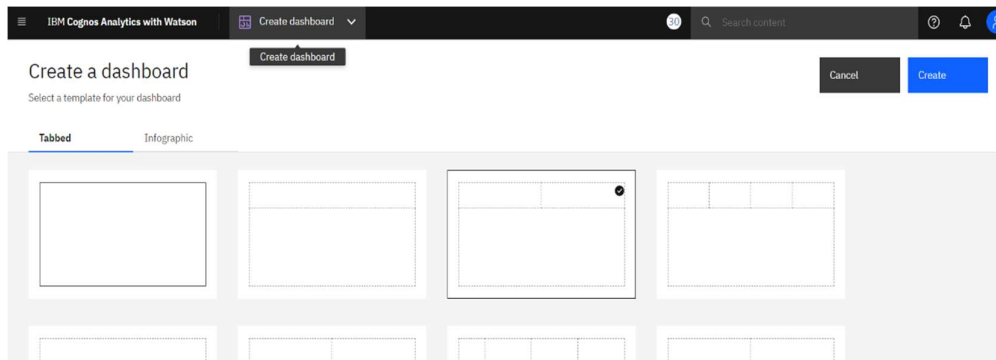


## Task B: Start a New Dashboard with Templates

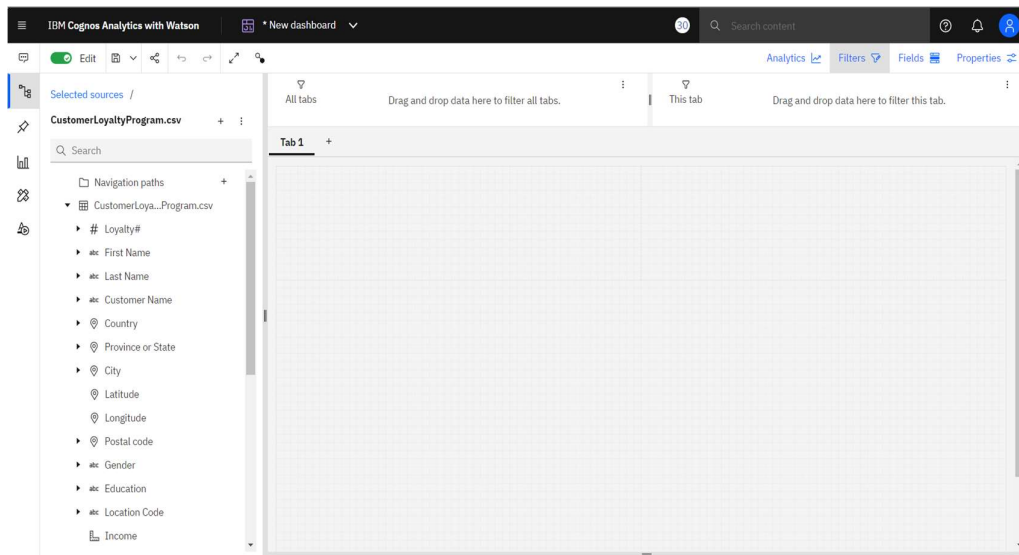
1. Click on CustomerLoyaltyProgram.csv



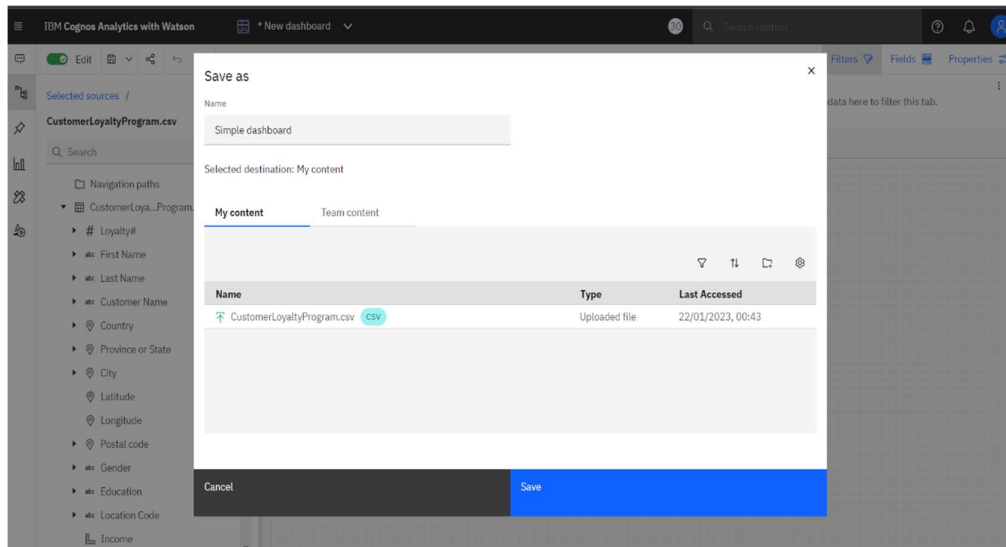
2. Select the type of dashboard. Select the tabbed dashboard style. Then select the three-panel template. Click create.



### 3. The new dashboard

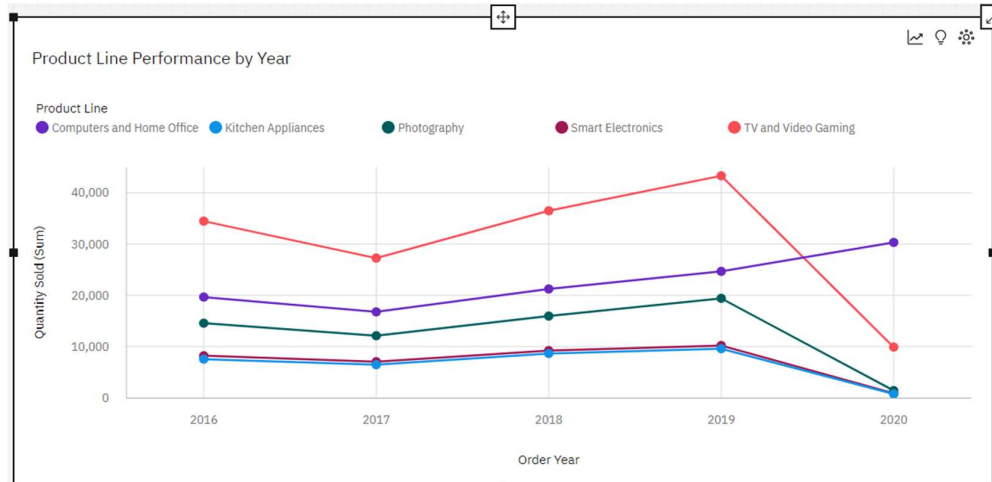


4. Save the new dashboard, and press CTRL+S. Select My content as Destination. Save as “Simple Dashboard”.



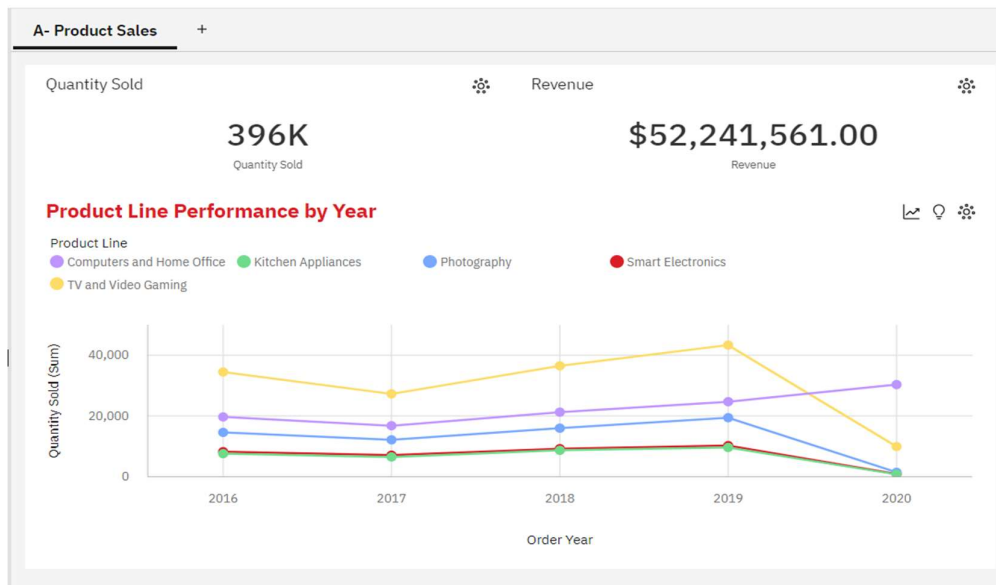
### Task C: Create a Simple Dashboard

1. From the Data Source panel, press CTRL and select Order Year, Quantity Sold, and Product Line and drag it to the center of Panel 1.
2. Click on the Line chart. Select the title and enter “Product Line Performance by Year”



3. From the Data source panel,
  - select Quantity Sold and drag it to the center of Panel 2.
  - select Revenue and drag it to the center of Panel 3.

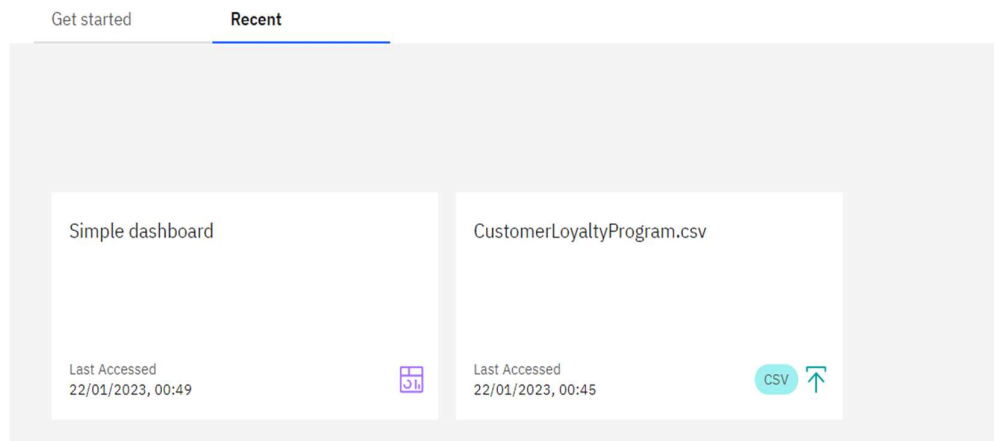
Rename the tab “A-Product Sales”. Save it by pressing CTRL+S



## Different Methods for Creating Dashboards Visualizations with Cognos Analytics

### 1: Work with Tabs and Start a New Dashboard within Tabs

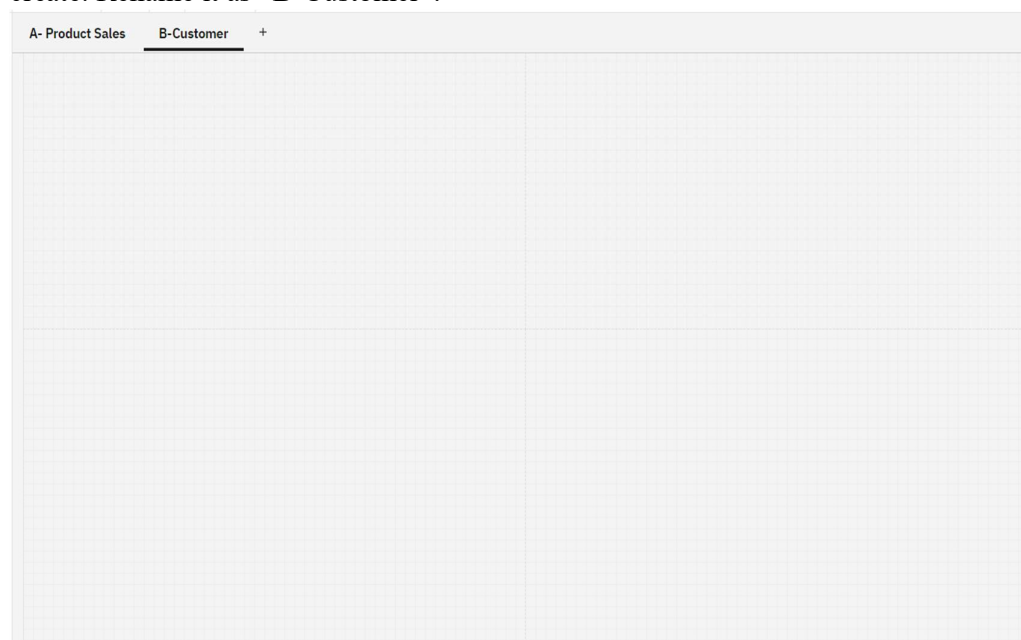
1. Sign-in
2. Launch
3. From the Recent section, click Simple dashboard



4. Click Edit or preview at the top left corner.



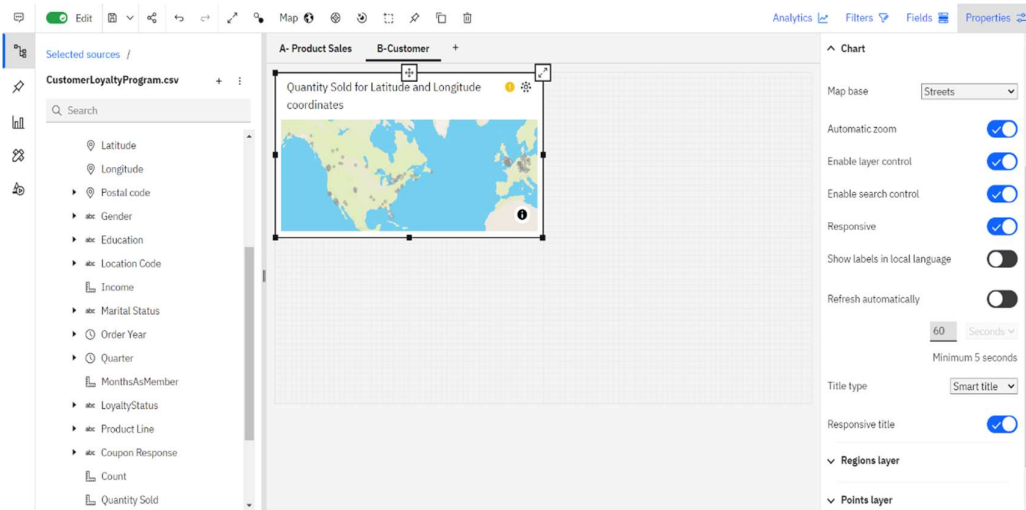
5. Click Add new tab. Select the four-panel templates with 2×2 configuration. Click create. Rename it as “B-Customer”.



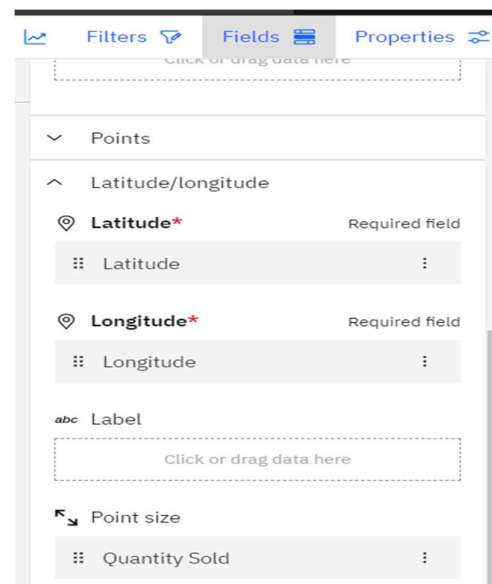
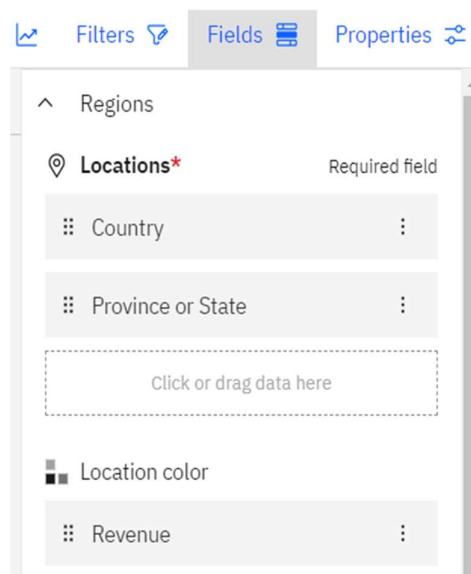
## 2: Different Method for Creating Dashboard Visualization

Task A: Using an Automatic Method to Create a Visualization for Panel 1.

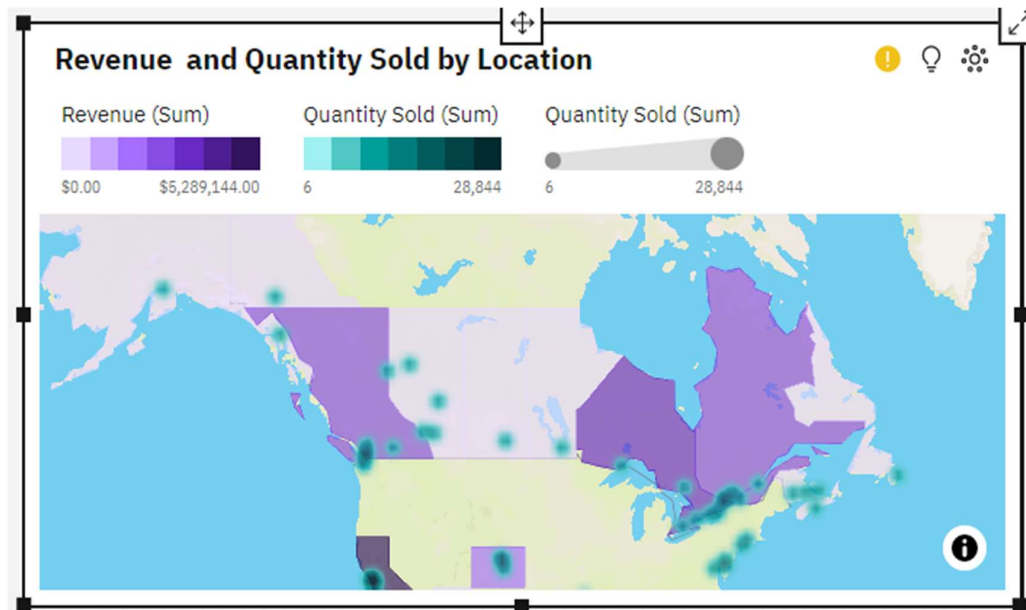
1. From the Data Source panel, expand CustomerLoyaltyProgram.csv
2. From the Data Source panel, press CTRL and select Latitude, Longitude, and Quantity sold and drag them to the center of Panel 1.
3. Change the map style, and open Properties>Chart. Select Streets for Style.



4. Open the Fields panel to view the data slots. From the Sources panel, drag and drop the Country and Province or State into the Locations data slot and Revenue into the Location color data slot.
5. Drag and drop Quantity Sold into the Point color data slot of Latitude/Longitude

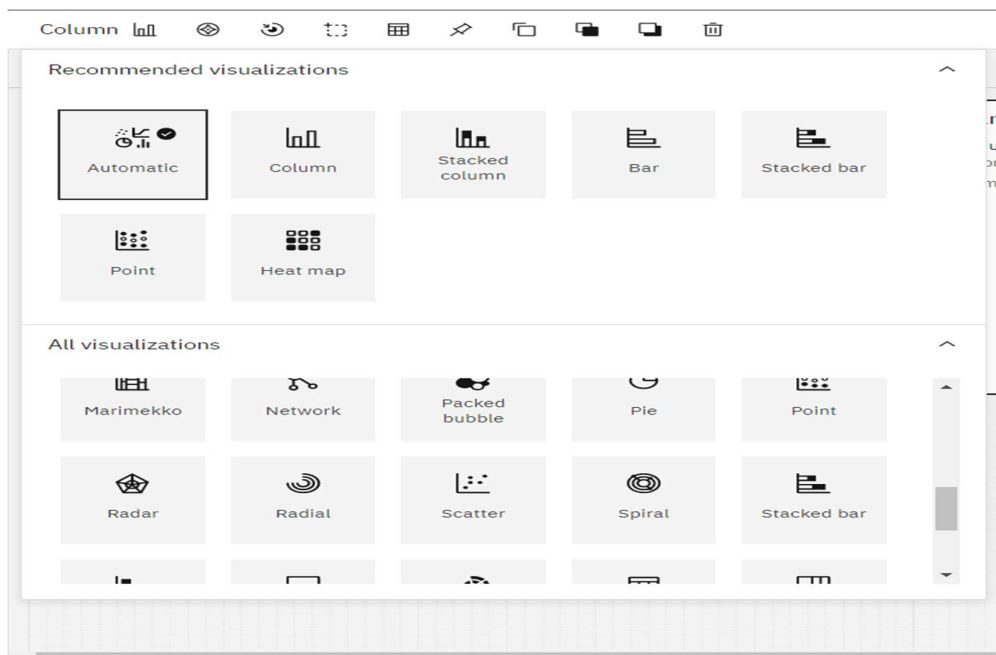


- Click the Map chart widget. From the on-demand toolbar, click Edit and enter “Revenue and Quantity Sold by Location”. Apply “Black” border. Save the dashboard by pressing CTRL+S.

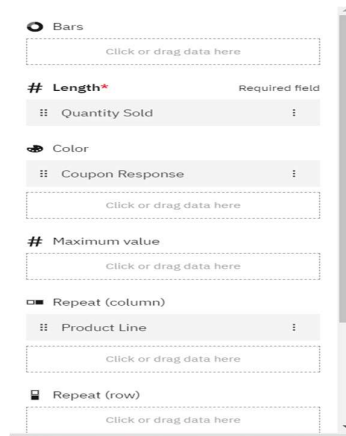


#### Task B: Using an Automatic Method to Create a Visualization for Panel2

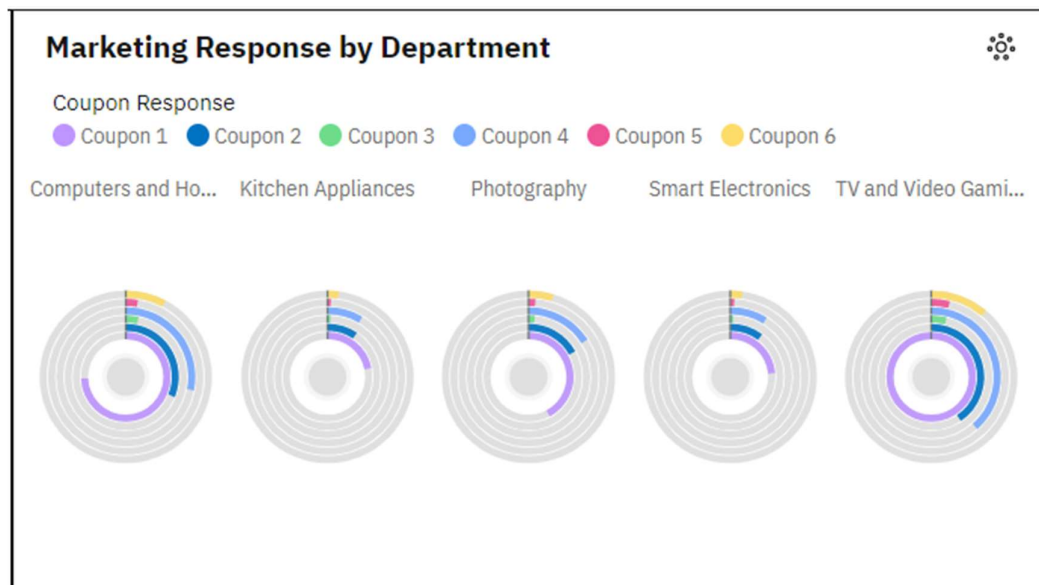
- From the Data Source panel, press CTRL and select Product Line, Coupon Response, and Quantity sold and drag and drop them to the center of Panel 2.
- Click on the Line chart.
- Click the Change Visualization button in the on-demand toolbar. Expand All visualizations. Select Radial.



4. Drag and drop the Product Line to the Repeat (column) area and move Coupon Response to the Color field.

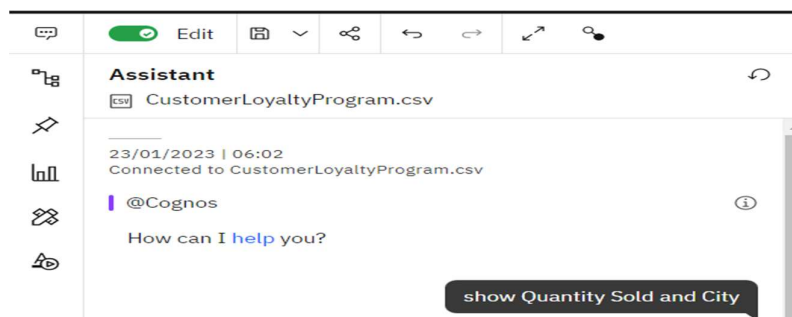


5. Click on Radial chart widget. Edit the title as “Marketing Response by Department”. Apply “Black” border. Save using CTRL+S.



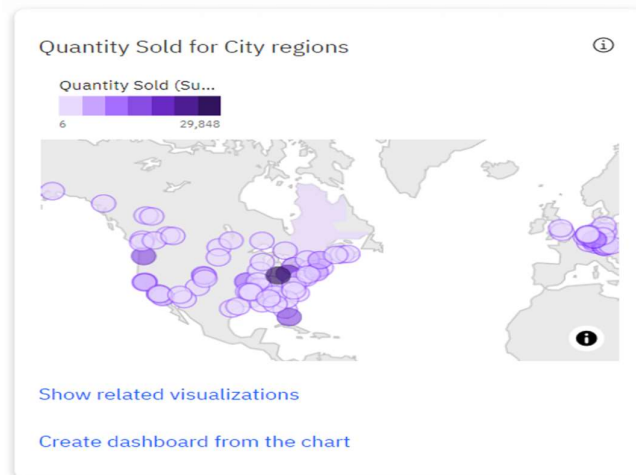
#### Task C: Using Cognos Assistant to Create a Visualization for Panel3

1. From Navigation panel > Assistant to open the Cognos Assistant panel.
2. In the Ask a question input text box, type “show Quantity Sold and City”.

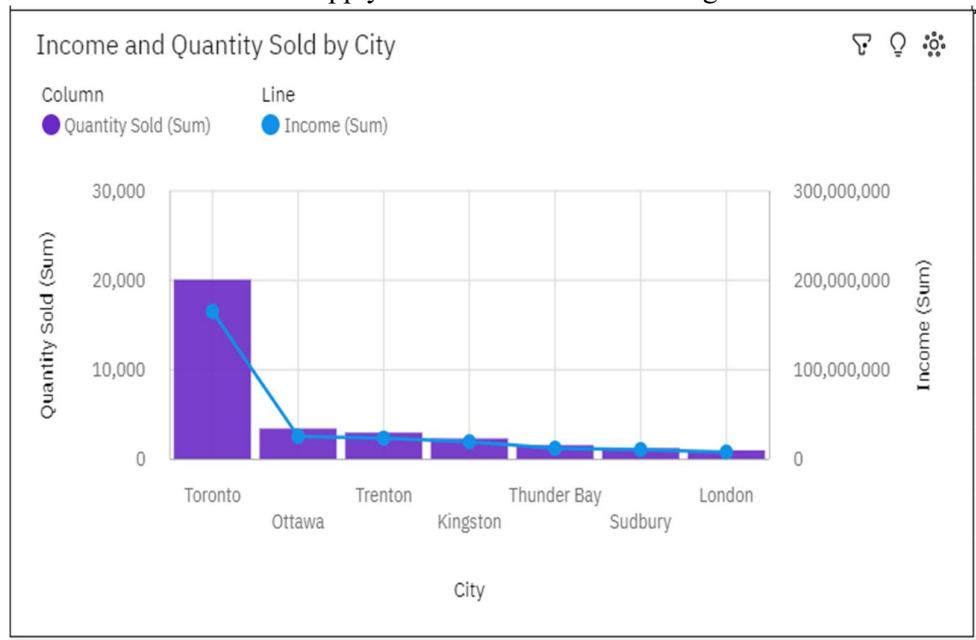




- Click on show related visualizations.

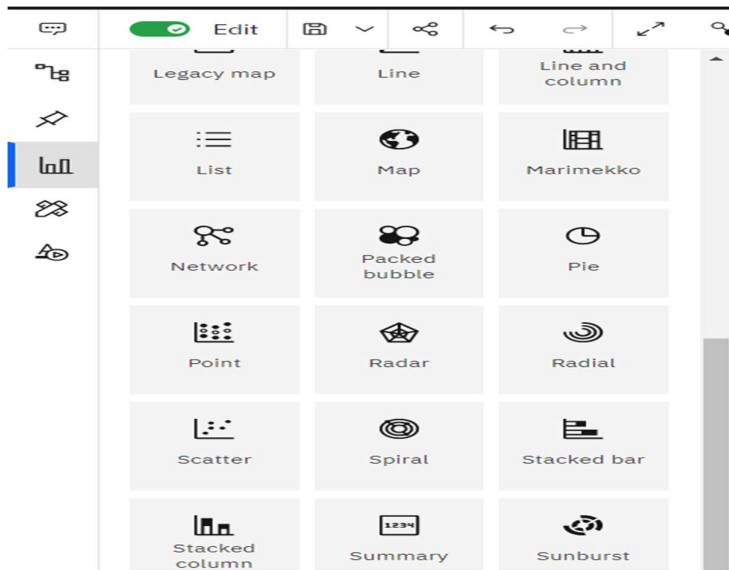


- Select the second chart visualization.
- From the Cognos Assistant panel, select the second chart visualization and drag it to the center of Panel 3 and apply "Black" border. Save using CTRL+S.

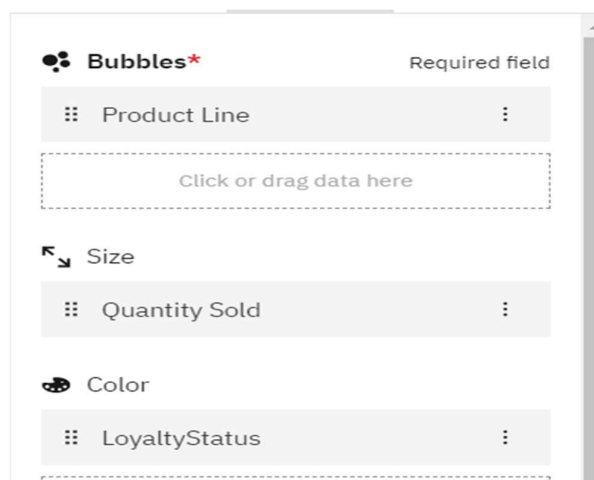


#### Task D: Using a Manual Method to Create a Visualization for Panel 4

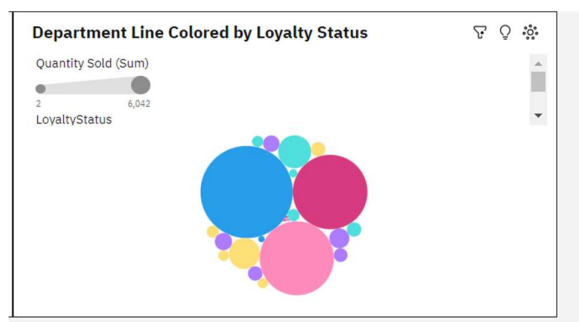
- From the Navigation panel > Visualizations to open the Visualizations library.
- Select the Packed Bubble chart and drag and drop it to the center of panel 4.



3. Packed Bubble chart will open along with the Fields panels.
4. From the Sources panel, drag and drop the Product Line, Quantity Sold, Loyalty Status into the Bubbles, Size, Color data slots of Fields panel.



5. Edit the title as “Department Sales by Loyalty Status” and apply “Black” border. Save using CTRL+S.



## Final “B-Customer” dashboard:

