Demos with Cognos Analytics 11.1.4:

See a YouTube video about an overview of the features of Cognos Analytics:
https://www.themsphub.com/content/watch-ibm-cognos-analytics-overview-the-start-of-something-new/

Cognos Demo about dashboards (a registered IBM Cloud Id is needed!):
https://www.ibm.com/cloud/garage/dte/tutorial/ibm-cognos-analytics-1114-getting-started-dashboards

IBM Cognos Analytics 11.1.4:
Getting Started with Dashboards

Explore the key capabilities of IBM Cognos Analytics Dashboards: Data Discovery, Visualizations & Exploration

Tutorial

IBM Cognos Analytics provides Users with data discovery capabilities to visually explore and interact with their data to identify the key insights for improving data driven decisions. Users can perform data discovery and then quickly assemble that information which is most relevant to them into interactive, visually appealing dashboards; all without the need for IT assistance or formal training and without leaving a single User Interface.

In this workshop, you will experience the following capabilities in IBM Cognos Analytics:

In this tutorial, you will explore the following key capabilities:

- Cognos Analytics User Interface
- Uploading Personal Data Sources
- Dashboard Assembly
- Create a New Dashboard from an existing Asset
- Explore Your Data for New Insights
- Work with the Cognos Analytics Assistant

Get Started With Your Cognos Analytics Tutorial

This tutorial is meant to be used with a virtual machine designed to showcase IBM Cognos Analytics. If you do not already have a running instance, follow the steps described below.

Reserve an Instance to Participate in the Cognos Analytics Deep Dive

① The first step is to reserve your instance to conduct the Cognos Analytics deep dive. Click the **log in** link on this page and then login with your IBMid:

Before you start

This tutorial is meant to be used with a VM designed to showcase IBM Cognos Analytics. If you do not already have a running instance, please sign up for one.

Please log in to be able to reserve an instance.

Other Tutorial

In this demo, you use a data set that is made available by the city of Boston, Massachusetts. Like many other cities, Boston logs hundreds of thousands of requests each year for services such as snow plowing, street cleaning, and pothole repairs. Your objective in this demo is to create the following dashboard:

Follow the instructions in this pane to walk through the demo in the left pane.

Task 1: Upload data

Cognos Analytics provides you with a fully interactive experience to view, work with, and analyze your data.

1.   Upload a file. You can upload a file in one of two ways:
   o   Drag a file to the canvas.
   o   Browse to a file.

   For the purposes of this demo, drag the file to the canvas by clicking **Drag and drop your files or browse**.

   After the file is on the canvas, a progress bar shows the progress of the upload.

2.   Click anywhere to continue.

   The file is displayed. This file is the data source for the dashboard that you are building.

3.   Click **OK** to complete the upload process.
4.   In the lower-left corner, click **New**.
5.   Click **Dashboard**.

Task 2: Assemble a dashboard and work with templates

On the "Select a template" page, you can select the type of dashboard and the template style. The panes in the template act placeholders for dashboard objects, which are

called *widgets*. Templates are device-aware and are automatically resized to fit the screen of the device that you use.

1.   Click the template with four equally sized panes and then click **OK**.

The dashboard template is displayed on the canvas along with the data source page. Notice that the navigation pane icons in the upper-left corner now show the dashboard tools to assemble a dashboard. In addition, the application toolbar now shows the dashboard editing functions.

2.   Click the **Add a source** icon.

Your team content folder is displayed.

3.   Click the **My content** tab.
4.   To access the data that you saved, click **Boston 311 calls.xlsx**.
5.   Click **Add**.
6.   Expand **Boston 311 Calls Xlsx** to view the contents of the uploaded file.

Task 3: Create a smart visualization

You now have a template for your dashboard and a data source, the `Boston 311 calls.xlsx` file. Dashboards can be created in several ways. You can either use smart visualization, which automatically creates a chart based on the type of data, or select the chart type and add data to it. In this task, you use a smart visualization.

1.   Click **Count** to drag it to the drop zone on the dashboard. When the drop zone turns blue, you are in the correct area to fill the pane.
2.   Click the blue drop zone to drop the data into the first pane.

The total number of 311 calls is displayed. 185,195 calls were made to the 311 service.

3.   Click **Month Number**.
4.   Click the widget in the first pane to drop the month number on the count number.

The visualization capabilities in Cognos Analytics select the best visualization based on the data that you selected. In this case, you can see the total number of 311 calls that were made within a 12-month period.

Next, see what the status is for all of these cases.

5.   Click **Case Status**.
6.   Click the widget in the first pane to drop the case status data on the visualization.

The visualization is updated with the case status information. Notice how each series has a unique color or pattern and is described in the legend.

When you click a visualization, a toolbar is displayed to provide more capabilities to customize the visualization.

7.   Click the **Change visualization** icon.

The menu opens to reveal the available visualizations. You can change the visualization as you work through your data discovery to find more insights.

8.   Click **Stacked column** to change the visualization.
9.   Click outside of the widget to close the menu.

Now that your first visualization is complete, give it a title.

10.   In the upper-right corner, click the **Visualization properties** icon.

From the menu that opens, you can modify your visualizations.

11.   Click the **General** tab. On that tab, you can explore visual settings for your visualization.

12.   Select the **Show title** check box.
For the purposes of this demo, the title of this visualization is `Case Status by Month`.
13.   Click the **Visualization properties** icon again to close the menu.
14.   Before you get started with your second visualization, save your dashboard:
a. Click the **Save** icon.
b. For the purposes of this demo, the title of the dashboard is `Demo dashboard`. Save it in the `My content` folder by clicking the **My content** icon.
c. Click **Save**.

Task 4: Create a user-defined visualization

In this task, you create another visualization by using an alternative method.
1.   On the left navigation bar, click the **Visualization** icon.
With this method, you select a visualization first and then add data to populate it.
2.   Click **Tree map**.
3.   Click the blue drop zone in the second pane.
The canvas now contains a treemap visualization. On the left, all the columns from the `Boston 311 calls.xlsx` file are shown.
Tree map visualizations identify patterns and exceptions in a large, complex data set. Tree maps show relationships among large numbers of components by using size and color coding in a set of nested rectangles.
4.   Click **Neighborhood**.
5.   To use the neighborhood data as the area hierarchy in the treemap, click **Area hierarchy** to drop the neighborhood data in the "Area hierarchy" slot.
In this visualization, you want to see how many days it took to resolve an issue by neighborhood.
6.   Click **Days to Resolution** and then click **Size** to drop the days to resolution data to the Size slot.
The treemap shows you the sum of days to resolution, but you want to see the average number of days to resolution.
7.   Next to the Days to Resolution, click the menu icon.

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From the menu, you can change the parameters of your visualization to best fit your needs. You need to change how the days to resolution is being calculated.
8.   Click **Summarize** and then click **Average**.
The treemap is updated to show the average days to resolution. Now that your parameters are set, minimize the visualization to your dashboard.
9.   In the upper-right corner, click the **Collapse** icon.

10.   Because you saved your dashboard earlier, you can now click the **Save** icon to save your work.

Task 5: Customize the layout

Now that you have your visualizations, you can optimize the layout on the dashboard.
1.   Click the right border of the treemap widget and drag it to the right edge of the template.
2.   Click the **Case Status by Month** widget to bring it into focus, and then click the right border of the widget to drag it to the right edge of the template.
3.   Rename the dashboard tab to complete your dashboard setup:
   a. Click **Tab 1**.
   b. Click the **Edit** icon. For the purposes of this demo, the tab is renamed to `Boston 311 Calls`.
   c. Click the tab to accept the change.
   d. Click the **Save** icon.

 Complete the demo

What's next

- For more information about Cognos Analytics, see the [product page](#).
- Interested in more in-depth content? Join the [Cognos Community](#) for the latest product updates and announcements.
- Register for a [free trial](#) of Cognos Analytics.
- Want to learn more about the architecture of Cognos Analytics? Check out the [Data Analytics reference architecture](#).