

**Project Development Phase**  
**Project Development - Delivery Of Sprint-4**

Date	19 November 2022
Team ID	PNT2022TMID06865
Project Name	Project - RETAIL STORE STOCK INVENTORY ANALYTICS

## 1. Visiting Cognos Homepage

The screenshot shows the IBM Cognos Analytics homepage in a web browser. The browser's address bar displays the URL `us1.ca.analytics.ibm.com/bi/?perspective=home`. The page features a dark navigation bar at the top with the text "IBM Cognos Analytics with Watson", a notification for "1 item open", a search bar labeled "Search content", and a user profile icon. Below the navigation bar, a "Quick launch" section contains four large, light-gray tiles, each with a blue icon and a title: "Upload data" (with an upload icon), "Prepare data" (with a database icon), "Exploration" (with a magnifying glass icon), and "Present data" (with a presentation icon). Each tile includes a brief description of its function. At the bottom of the page, a light blue banner titled "Get up and running in IBM Cognos Analytics" contains three sections: "How-to videos" (with a description about learning to use the tool), "Accelerator Catalog" (with a description about browsing industry use cases), and "Learning resources" (with a description about expanding knowledge). An illustration of three people working on a laptop is positioned between the "How-to videos" and "Accelerator Catalog" sections.

IBM-EPBL/IBM-Project-3871-165 x Home

us1.ca.analytics.ibm.com/bi/?perspective=home

Guides/Projects Tools Media Google SADIQ WhatsApp Mobile WiFi Tutorials List - Javat... HTML Useful Links GOVERNMENT COL... Top 100 Codes » PR...

IBM Cognos Analytics with Watson 1 item open 304 Search content

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 explor...

**Present data**  
Create sophisticated, multi-page, multi-query dashboards, reports, or stori...

Get started Recent

Get up and running in IBM Cognos Analytics

**How-to videos**  
Learn how to use IBM Cognos Analytics and start gaining insights into your data.

**Accelerator Catalog**  
Browse a growing catalog of industry use, best practice guides, custom

**Learning resources**  
Expand your knowledge and get assistance by connecting with the

## 2. Opening prompt for Presenting data and choosing “Story”

The screenshot shows a web browser window with the URL `us1.ca.analytics.ibm.com/bi/?perspective=home`. The browser's address bar and tabs are visible at the top. Below the browser, the IBM Cognos Analytics interface is shown. A modal titled "Present data" is open, with a close button (X) in the top right corner. The modal contains the text "Start by choosing what you want to create." and three options: "Dashboard", "Report", and "Story". Each option has a corresponding icon and a brief description. The "Story" option is highlighted with a blue border. The background of the interface is dimmed, showing various navigation and content sections.

IBM-EPBL/IBM-Project-3871-165 x Home x +

us1.ca.analytics.ibm.com/bi/?perspective=home

Guides/Projects Tools Media Google SADIQ WhatsApp Mobile WiFi Tutorials List - Javat... HTML Useful Links GOVERNMENT COL... Top 100 Codes » PR...

IBM Cognos Analytics with Watson 1 item open 304 Search content

Quick launch

Upload data

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

Get started

Get up and running

How-to videos

Learn how to use IBM Cognos Analytics and start gaining insights into your data.

Accelerator Catalog

Browse a growing catalog of industry use, best practice guides, custom

Learning resources

Expand your knowledge and get assistance by connecting with the

**Present data**

Start by choosing what you want to create.

**Dashboard**

View automatically updated data with interactive charts, graphs and tables.

**Report**

Create and distribute customizable reports for personalized consumption.

**Story**

Build a visual narrative to communicate the meaningful context of your data journey.

### 3. Creating a new slideshow

My IBM x Create story x +

us1.ca.analytics.ibm.com/bi/?perspective=createStory

Guides/Projects Tools Media Google SADIQ WhatsApp Mobile WiFi Tutorials List - Javat... HTML Useful Links GOVERNMENT COL... Top 100 Codes » PR...

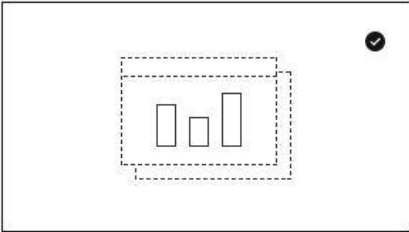
IBM Cognos Analytics with Watson Create story 29° Search content ? ? ?

## Create a story


Select a template for your story

Cancel Create

### Slideshow



### Guided journey ⓘ



#### 4. New slideshow page

The screenshot displays the IBM Cognos Analytics with Watson web application. The browser's address bar shows the URL: `us1.ca.analytics.ibm.com/bi/?perspective=story&id=i19A67994C6F143F989E7EAD9F590807&objRef=i19A67994C6F143F989E7EAD9F590807&options...`. The application's header includes the IBM Cognos Analytics with Watson logo, a dropdown menu for the current story (\* Inventory Story), a search bar, and user profile icons. The main interface is divided into several sections:

- Top Bar:** Contains navigation icons (back, forward, home, search, etc.) and a search bar.
- Left Sidebar:** Features a vertical menu with icons for different views: a funnel for filters, a bar chart for analytics, a pie chart for fields, and a document icon for properties.
- Main Content Area:** A large, empty light gray space intended for the slideshow content.
- Bottom Bar:** Includes navigation controls for scenes (Prev scene, Next scene), a scene indicator (Scene 1 of 1), a progress bar (0:00.0), and a settings gear icon.

The interface is designed for creating and managing interactive data stories, with a focus on filtering and visualizing data across different scenes.

## 5. Adding image URL

The screenshot displays the IBM Cognos Analytics with Watson interface. The browser tabs at the top include 'My IBM', '\* Inventory Story', and 'pngtree-electronic-technology-'. The address bar shows the URL: [us1.ca.analytics.ibm.com/bi/?perspective=story&id=i19A67994C6F143F989E7EAD9F590807&objRef=i19A67994C6F143F989E7EAD9F590807&options...](https://us1.ca.analytics.ibm.com/bi/?perspective=story&id=i19A67994C6F143F989E7EAD9F590807&objRef=i19A67994C6F143F989E7EAD9F590807&options...)

The main interface features a top navigation bar with 'IBM Cognos Analytics with Watson' and a search bar. Below this is a toolbar with icons for editing and navigation. The left sidebar contains a 'Widgets' panel with 'Standard' and 'Shapes' categories. The 'Standard' category includes icons for text, image, video, and link. The 'Shapes' category includes various geometric shapes and arrows.

The central workspace is divided into two panels: 'All scenes' and 'This scene'. The 'This scene' panel is active and displays a large rectangular area with a placeholder for an image. The placeholder text reads 'No image selected' and 'Image URL'. Below this text is a text input field with the placeholder text 'Enter image URL here'. A note below the input field states 'Paste the URL and press Enter to save it.'.

The bottom of the interface features a timeline with a play button, a 'Next marker' button, and a progress bar showing 'Scene 1 of 1' and a duration of '0:00.0' to '0:05.0'.

## 6. Adding image to the slideshow for background

The screenshot displays the IBM Cognos Analytics with Watson interface. The browser tabs at the top include 'My IBM', '\* Inventory Story', and 'pngtree-electronic-technology-w'. The address bar shows the URL: [us1.ca.analytics.ibm.com/bi/?perspective=story&id=i19A67994C6F143F989E7EAD9F590807&objRef=i19A67994C6F143F989E7EAD9F590807&options...](https://us1.ca.analytics.ibm.com/bi/?perspective=story&id=i19A67994C6F143F989E7EAD9F590807&objRef=i19A67994C6F143F989E7EAD9F590807&options...). The top navigation bar features the 'IBM Cognos Analytics with Watson' logo, the '\* Inventory Story' dropdown, a search bar, and user profile icons.

The main interface is divided into several sections:

- Widgets:** A sidebar on the left containing 'Standard' and 'Shapes' categories. The 'Standard' category includes icons for text, image, video, and link. The 'Shapes' category includes various geometric shapes and arrows.
- Scenes:** The main workspace is divided into two panels: 'All scenes' and 'This scene'. Both panels have a filter icon and the text 'Drag and drop data here to filter all scenes.' and 'Drag and drop data here to filter this scene.' respectively.
- Slideshow:** A large blue rectangular area is visible in the center, representing the background of the slideshow. It features a subtle pattern of white dots and lines, resembling a network or a globe.
- Bottom Bar:** A navigation bar at the bottom includes buttons for 'Prev scene', 'Next marker', and 'Scene 1 of 1'. It also displays a timeline with a play button, a progress bar, and a timer showing '0:00,0' and '0:05,0'.



## 7. New background

The screenshot displays the IBM Cognos Analytics with Watson interface. The browser tabs at the top include 'My IBM', '\* Inventory Story', and 'pngtree-electronic-technology-'. The address bar shows the URL: [us1.ca.analytics.ibm.com/bi/?perspective=story&id=i19A67994C6F143F989E7EAD9F590807&objRef=i19A67994C6F143F989E7EAD9F590807&options...](https://us1.ca.analytics.ibm.com/bi/?perspective=story&id=i19A67994C6F143F989E7EAD9F590807&objRef=i19A67994C6F143F989E7EAD9F590807&options...). The top navigation bar features the 'IBM Cognos Analytics with Watson' logo, a dropdown menu for '\* Inventory Story', a search bar with 'Search content', and user profile icons. Below the navigation bar, there are tabs for 'Analytics', 'Filters', 'Fields', and 'Properties'. The main workspace is divided into two panels: 'All scenes' and 'This scene', both with instructions to 'Drag and drop data here to filter all scenes.' and 'Drag and drop data here to filter this scene.' respectively. The 'All scenes' panel is currently active, showing a large blue area with a network diagram on the right side. A sidebar on the left contains icons for various functions, with the 'Background' icon (a circle with a play symbol) highlighted by a blue box. At the bottom, there is a timeline and navigation controls including 'Prev scene', 'Next marker', 'Scene 1 of 1', and a progress bar showing '0:00.0' out of '0:05.0'.



## 8. Adding text in the slide

The screenshot displays the IBM Cognos Analytics with Watson interface. The browser address bar shows the URL: [us1.ca.analytics.ibm.com/bi/?perspective=story&id=i19A67994C6F143F989E7EAD9F590807&objRef=i19A67994C6F143F989E7EAD9F590807&options...](https://us1.ca.analytics.ibm.com/bi/?perspective=story&id=i19A67994C6F143F989E7EAD9F590807&objRef=i19A67994C6F143F989E7EAD9F590807&options...). The page title is "IBM Cognos Analytics with Watson". The main content area shows a slide titled "RETAIL STORE STOCK INVENTORY ANALYTICS" in yellow text on a blue background. The slide is currently in edit mode, as indicated by the "Edit" button in the top left. The interface includes a top navigation bar with "Analytics", "Filters", "Fields", and "Properties" tabs. A bottom navigation bar shows "Prev scene", "Next marker", "Scene 1 of 2", and a timeline with a duration of 0:00.0.

## 9. Adding animation to the text

The screenshot displays the IBM Cognos Analytics with Watson interface. The main workspace shows a blue background with a network diagram. A text box containing "RETAIL STORE STOCK INVENTORY ANALYTICS" is selected, with a dashed border and a small crosshair icon. The right sidebar is open to the "Text properties" panel, specifically the "Animation" tab. The "Entrance" section is expanded, showing the "Animation" dropdown set to "Scale in", the "Direction" dropdown set to "From left", and the "Start at (secs)" input field set to "0.20". The bottom timeline shows a sequence of elements: a blue bar at 0:00.2, followed by a grey bar labeled "Image" at 0:01, and a grey bar labeled "RETAIL STORE STOCK INVENTORY ANALYTICS" at 0:02. The timeline is currently at 0:00.2, and the scene is "Scene 1 of 2".

IBM Cognos Analytics with Watson

\* Inventory Story

29° Search content

Analytics Filters Fields Properties

Text properties

Text details Animation General

Entrance

Animation Scale in

Direction From left

Start at (secs): 0.20

0:0 0:00.2 0:01 0:02 0:03 0:04

1 Image

2 RETAIL STORE STOCK INVENTORY ANALYTICS

Prev marker Next marker Scene 1 of 2 0:00.2 0:05.0

## 10. Adding the description for the story

The screenshot shows the IBM Cognos Analytics web interface. The browser address bar displays the URL: `us1.ca.analytics.ibm.com/bi/?perspective=story&id=i19A67994C6F143F989E7EAD9F590807&objRef=i19A67994C6F143F989E7EAD9F590807&options...`. The page title is "IBM Cognos Analytics with Watson". The main content area shows a story titled "\* Inventory Story". The story is currently in "Edit" mode. The main canvas displays a blue background with a network diagram. A text box is overlaid on the canvas with the following text: "In this presentation, we're going to show how we can present the visualisations of the Brazilian Retail Store Inventory Dataset as a story, using IBM Cognos Analytics". The right sidebar shows the "Story properties" panel, which includes the following settings:

- Scenes
  - Story type: Slide show
  - Scene transition: Sweep
- Canvas
- Color and theme
- Advanced

The bottom status bar shows "Scene 2 of 2" and a duration of "0:00.4".

## 11. Selecting the source dataset

The screenshot displays the IBM Cognos Analytics with Watson web application. The browser tabs at the top include 'My IBM', '\* Inventory Story', and 'IBM Cognos Analytics with Watson'. The address bar shows the URL: `us1.ca.analytics.ibm.com/bi/?perspective=story&id=i19A67994C6F143F989E7EAD9F590807&objRef=i19A67994C6F143F989E7EAD9F590807&options...`. The application header features the 'IBM Cognos Analytics with Watson' logo, a search bar, and a user profile icon. The main interface is divided into several sections:

- Left Panel:** Contains a 'Data' section with a 'Select a source' button and a sub-instruction: 'Click select a source to add data to use to build a dashboard.'
- Central Canvas:** A large blue area with a wireframe globe graphic. Below it, three scene thumbnails are visible: 'Intro' (labeled 1), 'Description' (labeled 2), and 'Price by year' (labeled 3). A fourth, dashed outline represents an additional scene.
- Right Panel:** Titled 'Story properties', it includes settings for 'Scenes' (Story type: 'Slide show', Scene transition: 'Sweep'), 'Canvas', and 'Color and theme'.
- Bottom Bar:** A navigation and playback area with buttons for 'Prev scene', 'Next marker', and 'Next scene', along with a progress indicator showing 'Scene 3 of 3' and a timeline from 0:00.0 to 0:08.0.



## 12. Adding Inventory Module as dataset

The screenshot shows the IBM Cognos Analytics web interface. A 'Select a source' dialog box is open, displaying a list of available data sources. The dialog has two tabs: 'My content' (selected) and 'Team content'. The 'My content' tab shows a table with the following data:

Name	Type	Last Accessed
50_Startups.csv CSV	Uploaded file	9/19/2022, 12:39 PM
50-startup.csv CSV	Uploaded file	9/19/2022, 5:10 AM
Inventory module	Data module	11/19/2022, 1:04 AM
Inventory_Management_Dataset.csv CSV	Uploaded file	11/18/2022, 5:39 PM
Pharma_Monthly_Sales.csv CSV	Uploaded file	9/21/2022, 10:36 AM

The 'Add' button at the bottom right of the dialog is highlighted in blue. The background interface shows the 'Data' section on the left and a 'Select a source' button on the dashboard. The top navigation bar includes 'IBM Cognos Analytics with Watson' and a search bar.

### 13. Added Inventory Module

The screenshot displays the IBM Cognos Analytics web application interface. The browser tabs at the top include 'My IBM', '\* Inventory Story', and 'IBM Cognos Analytics with Watson'. The address bar shows the URL: `us1.ca.analytics.ibm.com/bi/?perspective=story&id=i19A67994C6F143F989E7EAD9F590807&objRef=i19A67994C6F143F989E7EAD9F590807&options...`. The top navigation bar features the 'IBM Cognos Analytics with Watson' logo, a dropdown menu for '\* Inventory Story', a search bar, and user profile icons. Below the navigation bar, a toolbar contains icons for 'Edit', 'View', 'Share', 'Undo', 'Redo', 'Fullscreen', and 'Help'. The main workspace is divided into three sections: a left sidebar, a central visualization area, and a right panel. The sidebar, titled 'Selected sources /', shows the 'Inventory module' expanded, revealing a search bar and a list of fields: 'Revenue', 'M\_Data', 'Year', 'sales', 'stock', and 'price'. The central area is a large blue rectangle with a wireframe globe graphic, indicating no visualization is selected. The right panel displays a 3D box icon and the text 'No visualization selected. Select a visualization to manage the field settings.' At the bottom, a control bar includes 'Prev scene', 'Next marker', 'Scene 3 of 3', a timeline slider from 0:00.0 to 0:08.0, and a settings gear icon.



## 14. New Visualisation

The screenshot displays the IBM Cognos Analytics web interface. At the top, there are browser tabs for 'My IBM', '\* Inventory Story', and 'IBM Cognos Analytics with Wats...'. The address bar shows the URL: [us1.ca.analytics.ibm.com/bi/?perspective=story&id=i19A67994C6F143F989E7EAD9F590807&objRef=i19A67994C6F143F989E7EAD9F590807&options...](https://us1.ca.analytics.ibm.com/bi/?perspective=story&id=i19A67994C6F143F989E7EAD9F590807&objRef=i19A67994C6F143F989E7EAD9F590807&options...). The top navigation bar includes the IBM Cognos Analytics logo, the current story name '\* Inventory Story', a search bar, and user profile icons. Below this is a toolbar with icons for Edit, View, Share, Undo, Redo, and other actions. The main interface is divided into three sections: a left sidebar for 'Visualizations', a central canvas, and a right sidebar for 'Fields' and 'Properties'. The 'Visualizations' sidebar is active, showing a grid of visualization types under the 'System' tab. The central canvas is currently empty, displaying a blue background with a wireframe globe. The right sidebar shows a message: 'No visualization selected. Select a visualization to manage the field settings.' At the bottom, there is a timeline or scene navigation bar with buttons for 'Prev scene', 'Next marker', and 'Scene 3 of 3', along with a progress indicator showing '0:00.0' out of '0:08.0'.

IBM Cognos Analytics with Watson

\* Inventory Story

Search content

Analytics Filters Fields Properties

Visualizations

System Custom

Area Bar Box plot

Bubble Bullet Column

Crosstab Data player Decision tree

Driver analysis Drop-down list Filter dropdown

No visualization selected

Select a visualization to manage the field settings.

Prev scene Next marker Scene 3 of 3 0:00.0 0:08.0

## 15. New “Line” visualisation

The screenshot displays the IBM Cognos Analytics web interface. The browser tabs at the top include 'My IBM', '\* Inventory Story', and 'IBM Cognos Analytics with Watson'. The address bar shows a URL from 'us1.ca.analytics.ibm.com'. The top navigation bar features the 'IBM Cognos Analytics with Watson' logo, a search bar, and user profile icons. Below this, a toolbar contains various icons for editing and visualization, with the 'Line' icon currently selected. The main workspace is divided into three sections: a left-hand pane for 'Selected sources' and 'Inventory module', a central visualization area, and a right-hand pane for configuration options. The 'Inventory module' pane shows a search bar and a list of data sources: 'Navigation paths', 'Inventory\_Man...t\_Dataset.csv', 'Revenue', 'M\_Data', 'Year', 'sales', 'stock', and 'price'. The central visualization area shows a line chart with a blue background and a network pattern. The chart has a white rectangular area with a dashed border and the text 'Drag data here'. The chart is labeled 'Color' and 'x-axis'. The right-hand pane contains configuration options for the visualization, including 'x-axis\*' (Required field), 'Color', 'y-axis\*' (Required field), 'Repeat (column)', 'Repeat (row)', and 'Tools'. Each option has a dashed box with the text 'Click or drag data here'. At the bottom of the interface, there is a navigation bar with 'Prev scene', 'Next marker', 'Scene 3 of 3', and a timeline showing '0:00.0' and '0:08.0'.

My IBM | \* Inventory Story | IBM Cognos Analytics with Watson

us1.ca.analytics.ibm.com/bi/?perspective=story&id=i19A67994C6F143F989E7EAD9F590807&objRef=i19A67994C6F143F989E7EAD9F590807&options...

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IBM Cognos Analytics with Watson | \* Inventory Story | 29° | Search content | ? | ? | ?

Edit | Line | Analytics | Filters | Fields | Properties

Selected sources /

Inventory module

Search

- Navigation paths
- Inventory\_Man...t\_Dataset.csv
  - Revenue
  - M\_Data
  - Year
  - sales
  - stock
  - price

Color

Drag data here

\* y-axis

\* x-axis

Drag data here

Drag data here

Drag data here

x-axis\* Required field

Click or drag data here

Color

Click or drag data here

# y-axis\* Required field

Click or drag data here

Repeat (column)

Click or drag data here

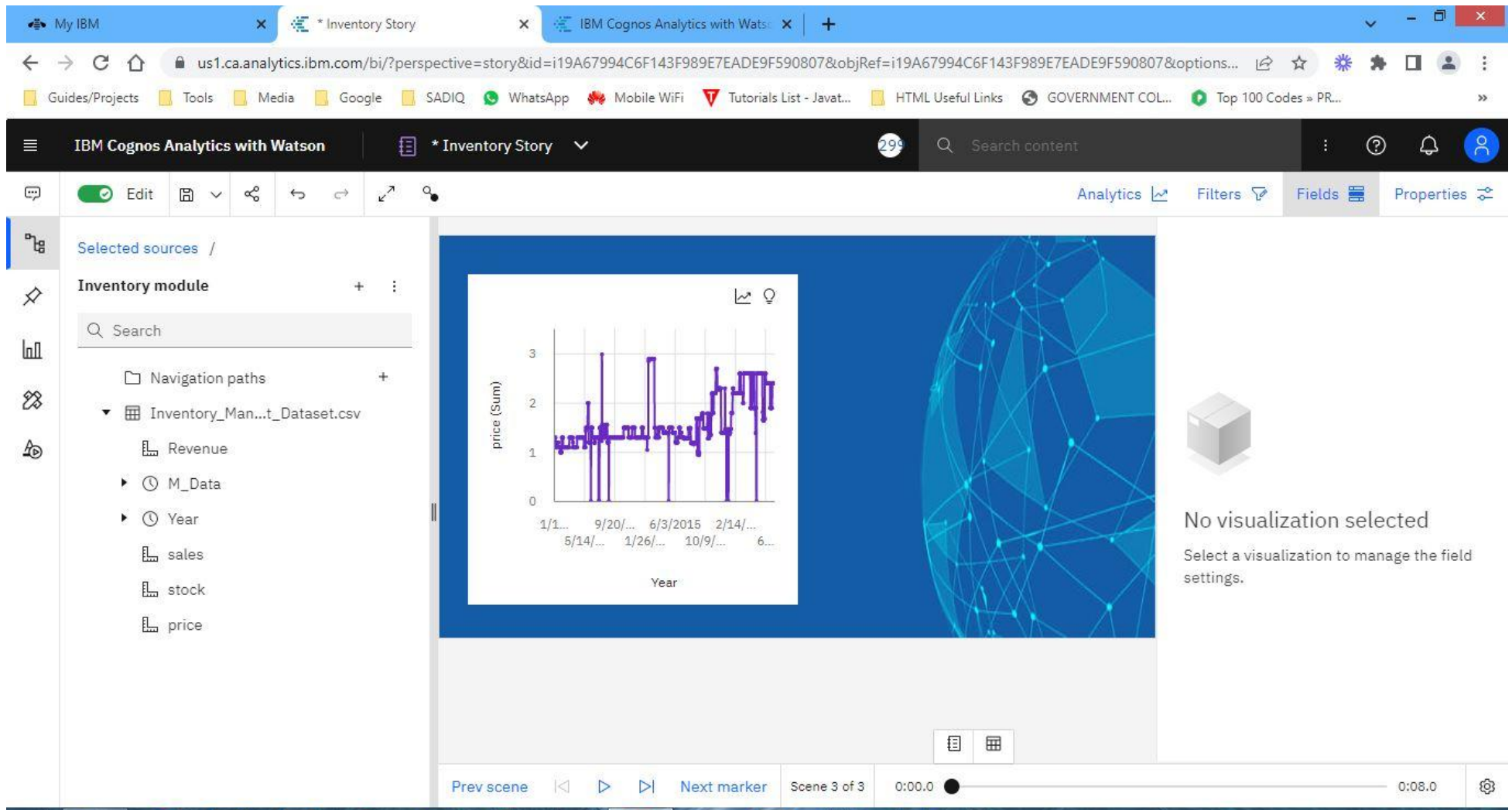
Repeat (row)

Click or drag data here

Tools

Prev scene | Next marker | Scene 3 of 3 | 0:00.0 | 0:08.0

## 16. “Price by Year” Line graph created



## 17. “Price by Year” slide

The screenshot displays the IBM Cognos Analytics with Watson interface. The browser address bar shows the URL: `us1.ca.analytics.ibm.com/bi/?perspective=story&id=i19A67994C6F143F989E7EAD9F590807&objRef=i19A67994C6F143F989E7EAD9F590807&options...`. The interface includes a top navigation bar with the IBM Cognos Analytics with Watson logo and a search bar. Below the navigation bar, there is a toolbar with various icons for editing and viewing. The main content area features a slide titled "price by Year".

The slide contains a line graph titled "price by Year" showing the price (Sum) on the Y-axis (ranging from 0 to 3) and Year on the X-axis (ranging from 1/1/2014 to 6/1/2016). The graph displays a fluctuating price line with several peaks and troughs.

Next to the graph, there is a text box with the following text:

In this visualisation, we have made a line graph of Price by Year, Price on the Y-axis and Year on the X-axis. Some observations are recorded as follows:

- Over all years, the sum of price is almost 1500.
- Prices range from 0, in 2014-06-12, to 2.98, in 2014-07-29.
- Price has a week upward trend.
- Price has most unusual values at 25 time points, the most motable of which are 2016-05-16, 2016-05-15, 2014-07-29, 2015-02-12, and 2016-01-17.

The bottom of the interface shows a navigation bar with "Prev marker", "Next marker", and a progress indicator for "Scene 3 of 3" with a time of 0:00.7.



## 18. "Stock by Year" Line Graph slide

The screenshot displays the IBM Cognos Analytics with Watson interface. The browser address bar shows the URL: [us1.ca.analytics.ibm.com/bi/?perspective=story&id=i19A67994C6F143F989E7EAD9F590807&objRef=i19A67994C6F143F989E7EAD9F590807&options...](https://us1.ca.analytics.ibm.com/bi/?perspective=story&id=i19A67994C6F143F989E7EAD9F590807&objRef=i19A67994C6F143F989E7EAD9F590807&options...)

The interface includes a top navigation bar with the IBM Cognos Analytics with Watson logo, a search bar, and a user profile icon. Below this is a toolbar with various icons for editing and navigation.

The main content area features a line graph titled "stock by Year". The Y-axis is labeled "stock (Sum)" and ranges from 0 to 8000. The X-axis is labeled "Year" and shows dates from 1/1/2014 to 6/1/2016. The graph displays a fluctuating line representing stock values over time.

To the right of the graph is a text box with the following content:

In this visualisation, we have made a line graph of Stock by Year, Stock on the Y-axis and Year on the X-axis. Some observations are recorded as follows:

- Across all years, the sum of stock is over 1.5 million.
- For stock, the most significant values of Year are 2014-02-12, 2014-02-13 and 2014-02-14, whose respective stock values add up to over 21 thousand, or 1.4% of total.
- Stocks range from 0, in 2014-11-09, to over seven thousand, in 2014-02-12.

The bottom of the interface shows a navigation bar with "Prev marker", "Next marker", "Scene 4 of 4", a progress bar, and a timer showing 0:02.4.

## 19. "Sales by Year" Bars slide

The screenshot displays the IBM Cognos Analytics with Watson interface. The browser address bar shows the URL: [us1.ca.analytics.ibm.com/bi/?perspective=story&id=i19A67994C6F143F989E7EAD9F590807&objRef=i19A67994C6F143F989E7EAD9F590807&options...](https://us1.ca.analytics.ibm.com/bi/?perspective=story&id=i19A67994C6F143F989E7EAD9F590807&objRef=i19A67994C6F143F989E7EAD9F590807&options...)

The main content area features a slide titled "sales by Year". The slide contains a bar chart and a text box with observations.

**Bar Chart:**

- Title:** sales by Year
- Y-axis:** Year
- X-axis:** sales (Sum)
- Data:** The chart displays sales data for various dates from 2014 to 2016. The Y-axis labels include: 1/1/2014, 3/10/2014, 5/14/2014, 7/17/2014, 9/20/2014, 11/23/2014, 1/26/2015, 3/31/2015, 6/3/2015, 8/6/2015, 10/9/2015, 12/12/2015, 2/14/2016, 4/18/2016, and 6/21/2016. The X-axis ranges from 0 to 500.

**Text Box:**

In this visualisation, we have made a bar graph of Sales by Year, Year on the Y-axis and Sales on the X-axis. Some observations are recorded as follows:

- Over all years, the sum of sales is almost 85 thousand.
- For stock, the most significant values of Year are 2014-11-08 and 2016-06-11, whose respective stock values add up to over a thousand, or 1.2% of total.
- Sales range from 0, in 2014-01-01, to 542, in 2014-11-08.
- Sales has a weak upward trend.
- sales has a weak weekly trend. The largest values typically occur on Saturday.

The interface includes a top navigation bar with "IBM Cognos Analytics with Watson" and a search bar. The bottom status bar shows "Prev marker", "Next marker", "Scene 5 of 5", and a progress indicator.



## 20. "Revenue by Year" Columns slide

My IBM x Inventory Story x +

us1.ca.analytics.ibm.com/bi/?perspective=story&id=i19A67994C6F143F989E7EAD9F590807&objRef=i19A67994C6F143F989E7EAD9F590807&options...

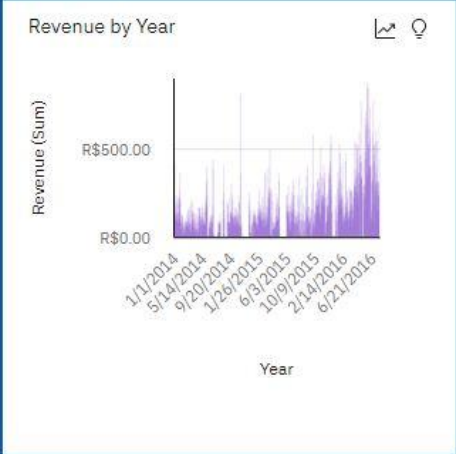
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IBM Cognos Analytics with Watson Inventory Story 29° Search content

Analytics Filters Fields Properties

All scenes Drag and drop data here to filter all scenes. This scene Drag and drop data here to filter this scene.

Revenue by Year



Revenue (Sum)

Year

In this visualisation, we have made a column graph of Revenue by Year, Revenue on the Y-axis and Year on the X-axis. Some observations are recorded as follows:

- Over all years, the sum of Revenue is nearly 139 thousand.
- For Revenue, the most significant values of Year are 2016-06-05, 2016-06-11, 2016-06-04, and 2014-11-08, whose respective Revenue values add up to nearly 3500, or 2.4 % of the total.
- Revenue ranges from 0, in 2014-01-01, to 870.2, in 2016-06-05.
- Revenue has a moderate upward trend.

Prev marker Next marker Scene 6 of 7 0:00.7 0:18.0

## 21. “M\_Data, Stock, Stock” Heat map slide

The screenshot displays the IBM Cognos Analytics with Watson interface. The browser address bar shows the URL: [us1.ca.analytics.ibm.com/bi/?perspective=story&id=i19A67994C6F143F989E7EAD9F590807&objRef=i19A67994C6F143F989E7EAD9F590807&options...](https://us1.ca.analytics.ibm.com/bi/?perspective=story&id=i19A67994C6F143F989E7EAD9F590807&objRef=i19A67994C6F143F989E7EAD9F590807&options...). The interface includes a top navigation bar with 'IBM Cognos Analytics with Watson' and 'Inventory Story'. Below this is a toolbar with 'Edit', 'Analytics', 'Filters', 'Fields', and 'Properties' tabs. The main workspace is divided into two panels: 'All scenes' and 'This scene'. The 'This scene' panel contains a heat map visualization titled 'M\_Data, stock, stock'. The heat map shows a grid of data points with a color scale ranging from 0 to 9628. A legend on the right side of the heat map provides context: 'In this visualisation, we have made a heat map for M\_Data and Stock, with Stock as the heat criteria. M\_Data and Stock form the rows. Some observations are recorded as follows:'. The legend lists three bullet points: 'Across all m\_data - stocks, the sum of stock is over 287 thousand.', 'For stock, the most significant values of M\_Data - stock are 11314, 11285, 11500, 11496, and 11561, whose respective stock values add up to nearly 158 thousand, or 54.9 % of the total.', and 'stock ranges from 0, when M\_Data - stock is 1105, to 723, when M\_Data - stock is 11561.' The bottom of the interface shows a timeline with 'Prev marker', 'Next marker', 'Scene 7 of 7', and a duration of '0:00.7'.

IBM Cognos Analytics with Watson

Inventory Story

29° Search content

Edit Analytics Filters Fields Properties

All scenes Drag and drop data here to filter all scenes.

This scene Drag and drop data here to filter this scene.

M\_Data, stock, stock

stock (Sum)

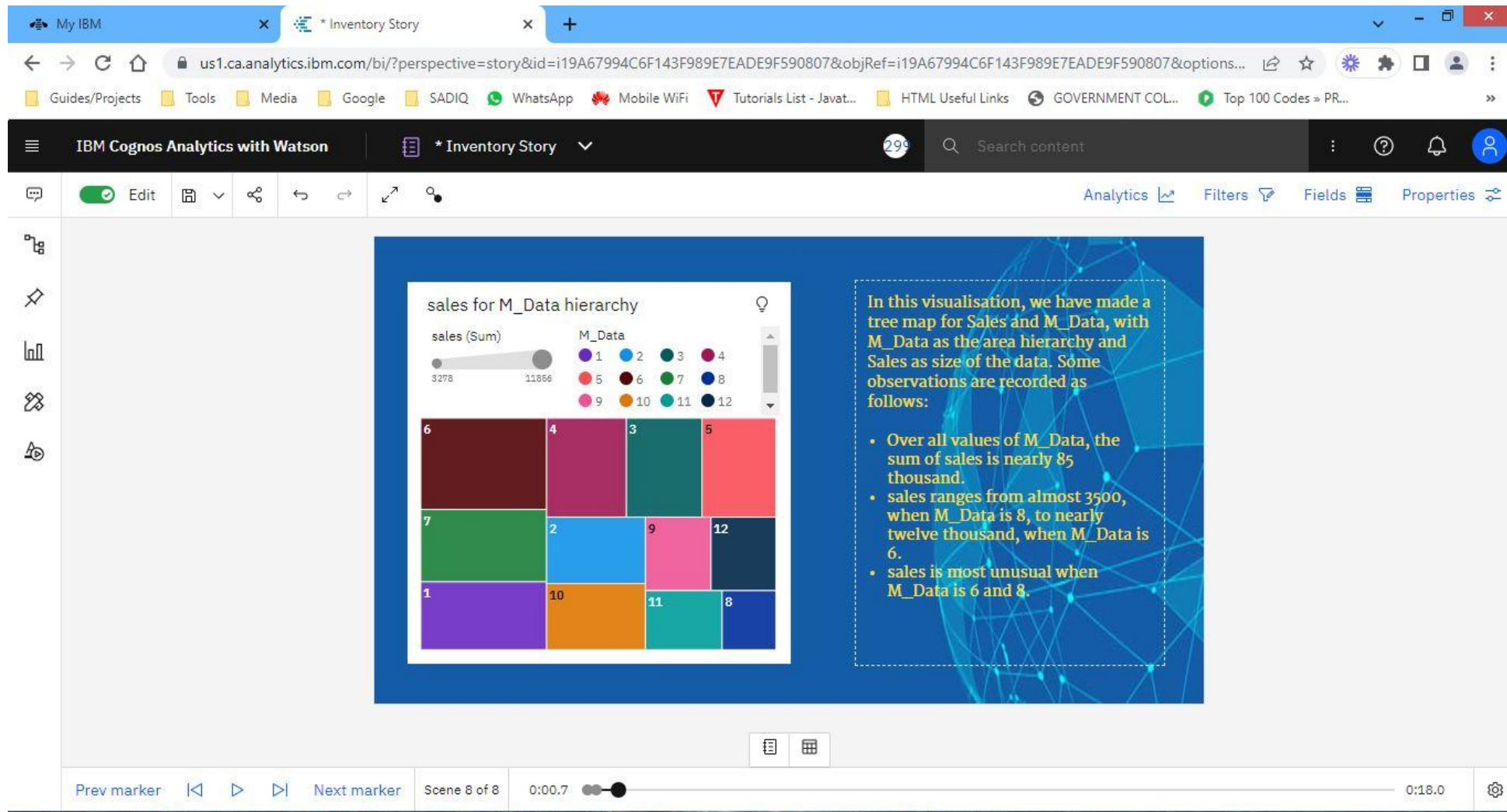
0 9628

In this visualisation, we have made a heat map for M\_Data and Stock, with Stock as the heat criteria. M\_Data and Stock form the rows. Some observations are recorded as follows:

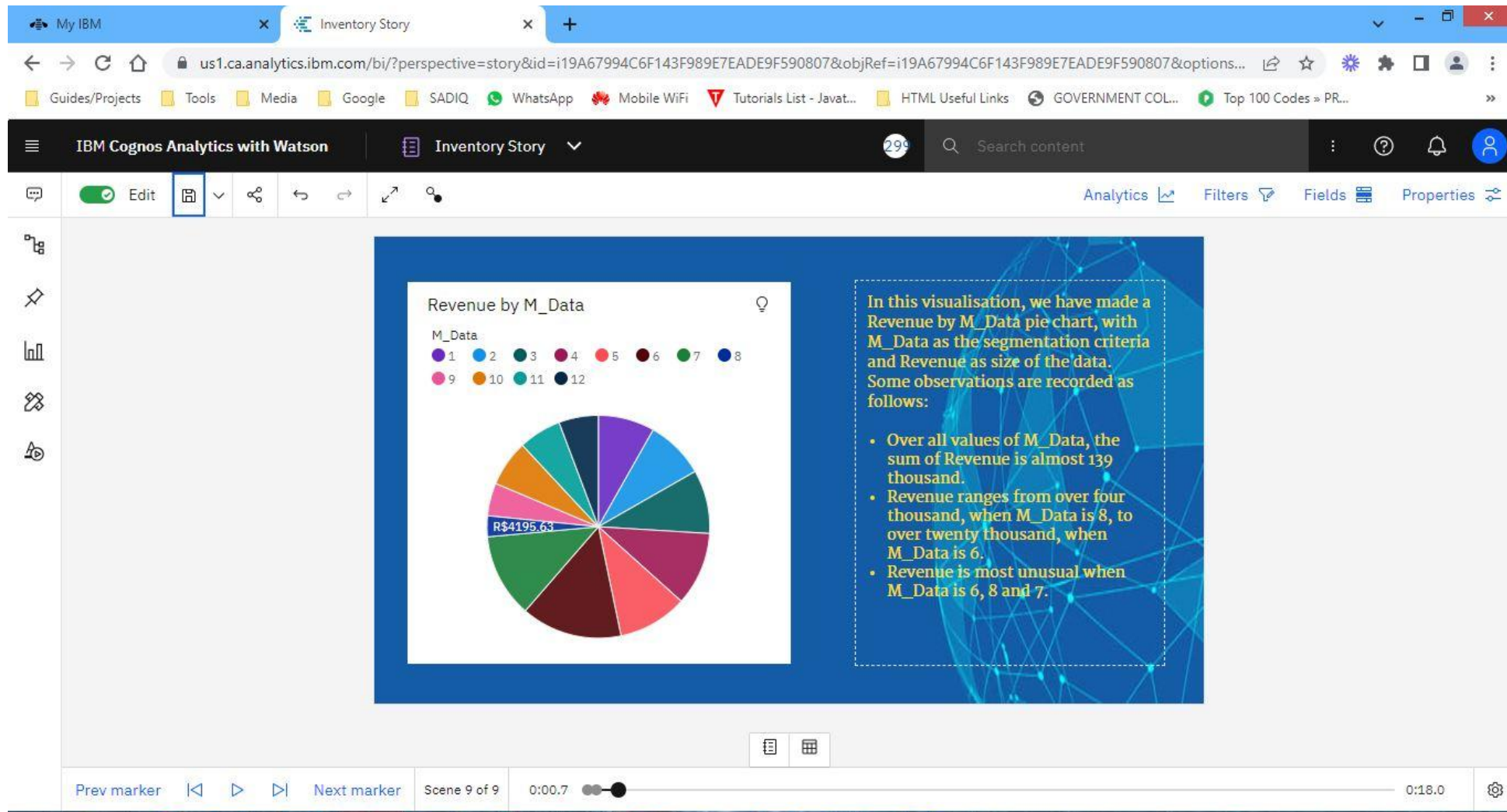
- Across all m\_data - stocks, the sum of stock is over 287 thousand.
- For stock, the most significant values of M\_Data - stock are 11314, 11285, 11500, 11496, and 11561, whose respective stock values add up to nearly 158 thousand, or 54.9 % of the total.
- stock ranges from 0, when M\_Data - stock is 1105, to 723, when M\_Data - stock is 11561.

Prev marker Next marker Scene 7 of 7 0:00.7 0:18.0

## 22. “Sales by M\_Data hierarchy” Tree map slide



### 23. "Revenue by M\_Data" Pie Chart slide





## 24. "Revenue/Sales" Summary slide

The screenshot displays the IBM Cognos Analytics with Watson interface. The browser address bar shows the URL: [us1.ca.analytics.ibm.com/bi/?perspective=story&id=i19A67994C6F143F989E7EAD9F590807&objRef=i19A67994C6F143F989E7EAD9F590807&options...](https://us1.ca.analytics.ibm.com/bi/?perspective=story&id=i19A67994C6F143F989E7EAD9F590807&objRef=i19A67994C6F143F989E7EAD9F590807&options...). The page title is "IBM Cognos Analytics with Watson". The main content area shows a summary slide titled "Revenue/Sales". The slide features two large numbers: "R\$138887.84" for Revenue and "84830" for sales. A text box on the right side of the slide states: "In this visualisation, we have made a summary of data about Revenue and Sales". The interface includes a top navigation bar with "My IBM" and "Inventory Story" tabs, a search bar, and a bottom navigation bar with "Analytics", "Filters", "Fields", and "Properties" tabs. The bottom status bar shows "Prev marker", "Next marker", "Scene 10 of 10", and a progress indicator.

Revenue

R\$138887.84

Revenue

sales

84830

sales

In this visualisation, we have made a summary of data about Revenue and Sales

Prev marker | Next marker | Scene 10 of 10 | 0:03.4 | 0:08.0

## 25. "Stock/Price" Summary slide

The screenshot displays the IBM Cognos Analytics with Watson interface. The browser address bar shows the URL: [us1.ca.analytics.ibm.com/bi/?perspective=story&id=i19A67994C6F143F989E7EAD9F590807&objRef=i19A67994C6F143F989E7EAD9F590807&options...](https://us1.ca.analytics.ibm.com/bi/?perspective=story&id=i19A67994C6F143F989E7EAD9F590807&objRef=i19A67994C6F143F989E7EAD9F590807&options...). The page title is "Inventory Story". The interface includes a search bar, a navigation menu, and a toolbar with icons for Edit, View, and other functions. The main content area shows a summary slide with a blue background and a network diagram. The slide contains two data points: "stock" with a value of 1506938 and "price" with a value of 1492. A text box on the right side of the slide reads: "In this visualisation, we have made a summary of data about Stock and Price". The bottom of the interface features a timeline with markers for "Prev marker" and "Next marker", and a progress bar indicating "Scene 11 of 11" and a duration of "0:01.2" out of "0:08.0".

IBM Cognos Analytics with Watson

\* Inventory Story

29°

Search content

Analytics Filters Fields Properties

stock

1506938

stock

price

1492

price

In this visualisation, we have made a summary of data about Stock and Price

Prev marker Next marker

Scene 11 of 11

0:01.2

0:08.0



## 26. Login page:

```
<!DOCTYPE html>
<html>
<head>
<meta name="viewport" content="width=device-width, initial-scale=1">
<style>
body {font-family: Arial, Helvetica, sans-serif;}
form {border: 3px solid #f1f1f1;}

input[type=text], input[type=password] {
  width: 100%;
  padding: 12px 20px;
  margin: 8px 0;
  display: inline-block;
  border: 1px solid #ccc;
  box-sizing: border-box;
}

button {
  background-color: #04AA6D;
```

```
color: white;
padding: 14px 20px;
margin: 8px 0;
border: none;
cursor: pointer;
width: 100%;
}
```

```
button:hover {
  opacity: 0.8;
}
```

```
.cancelbtn {
  width: auto;
  padding: 10px 18px;
  background-color: #f44336;
}
```

```
.imgcontainer {
  text-align: center;
  margin: 24px 0 12px 0;
```

```
}
```

```
img.avatar {  
  width: 40%;  
  border-radius: 50%;  
}
```

```
.container {  
  padding: 16px;  
}
```

```
span.psw {  
  float: right;  
  padding-top: 16px;  
}
```

```
/* Change styles for span and cancel button on extra small screens */
```

```
@media screen and (max-width: 300px) {  
  span.psw {  
    display: block;  
    float: none;
```

```
}  
.cancelbtn {  
    width: 100%;  
}  
}  
</style>  
</head>  
<body>  
  
<h2>Login Form</h2>  
  
<form action="C:\Users\admin\Desktop\Sprints\Sprint 4\Inventory Home.html" method="post">  
    <div class="imgcontainer">  
  
</div>  
  
<div class="container">  
    <label for="uname"><b>Username</b></label>  
    <input type="text" placeholder="Enter Username" name="uname" required>  
  
    <label for="psw"><b>Password</b></label>
```

```
<input type="password" placeholder="Enter Password" name="psw" required>
```

```
<button type="submit">Login</button>
```

```
<label>
```

```
<input type="checkbox" checked="checked" name="remember"> Remember me
```

```
</label>
```

```
</div>
```

```
<div class="container" style="background-color:#f1f1f1">
```

```
<button type="button" class="cancelbtn">Cancel</button>
```

```
<span class="psw">Forgot <a href="#">password?</a></span>
```

```
</div>
```

```
</form>
```

```
</body>
```

```
</html>
```

## 27. Homepage:

```
<html>
```

```
  <head>
```

```
    <title>Buttons example</title>
```

```
    <style>
```

```
      h1
```

```
      {
```

```
        color : rgb(207, 37, 25);
```

```
        font-family : sans-serif;
```

```
      }
```

```
      h2
```

```
      {
```

```
        color : rgb(252, 118, 109);
```

```
        font-family : sans-serif;
```

```
      }
```

```
      body
```

```
      {
```

```
        background-color : rgb(255, 255, 102);
```

```
      }
```

```
    .butbody
```



```
{  
    text-align : center;  
    margin-top : 70px;  
}  
button  
{  
    border : solid 3px rgb(25, 25, 160);  
    font-size : 40px;  
    padding : 30px;  
    font-weight : bold;  
    color : rgb(53, 53, 219);  
    background-color : rgba(123, 104, 238, 0.4);  
}  
button:hover  
{  
    border : solid 3px rgb(25, 25, 160);  
    font-size : 40px;  
    padding : 30px;  
    font-weight : bold;  
    color : rgb(53, 53, 219);  
    background-color : rgba(63, 54, 168, 0.6);
```

```
}  
button:focus  
{  
    border : solid 3px rgb(25, 25, 160);  
    font-size : 40px;  
    padding : 30px;  
    font-weight : bold;  
    color : rgb(53, 53, 219);  
    background-color : rgba(33, 24, 128, 0.7);  
}
```

</style>

</head>

<body>

<h1 align = "center">RETAIL STORE STOCK INVENTORY ANALYTICS</h1>

<div class = "butbody"

<form method = "post">

<h2>Click here to visit the dashboard</h2>

<a href =

"https://us1.ca.analytics.ibm.com/bi/?perspective=dashboard&id=i7A21B38366374DCF9013758E09892B53&objRef=i7A21B38366374DCF9013758E09892B53&options%5BdisableGlassPrefetch%5D=true&options%5Bcollections%5D%5BcanvasExtension%5D%5Bid%5D=com.ibm.bi.dashboard.canvasExtension&options%5Bcollections%5D%5BfeatureExtension%5D%5Bid%5D=com.ibm.bi.dashboard.core-features&options%5Bcollections%5D%5Bbuttons%5D%5Bid%5D=com.ibm.bi.dashboard.buttons&options%5Bcollections%5D%5Bwidget%5D%5Bid%5D=com.ibm.bi.dashboard.widgets&options%5Bcollections%5D%5BcontentFeatureExtension%5D%5Bid%5D=com.ibm.bi.dashboard.cont

ent-features&options%5Bcollections%5D%5BsaveServices%5D%5Bid%5D=com.ibm.bi.dashboard.saveServices&options%5Bcollections%5D%5Btemplates%5D%5Bid%5D=com.ibm.bi.dashboard.templates&options%5Bcollections%5D%5BvisualizationExtension%5D%5Bid%5D=com.ibm.bi.dashboard.visualizationExtensionCA&options%5Bcollections%5D%5BboardModel%5D%5Bid%5D=com.ibm.bi.dashboard.boardModelExtension&options%5Bcollections%5D%5BcontentTypes%5D%5Bid%5D=com.ibm.bi.dashboard.contentTypes&options%5Bcollections%5D%5BserviceExtension%5D%5Bid%5D=com.ibm.bi.dashboard.serviceExtension&options%5Bcollections%5D%5BlayoutExtension%5D%5Bid%5D=com.ibm.bi.dashboard.layoutExtension&options%5Bcollections%5D%5BcolorSetExtensions%5D%5Bid%5D=com.ibm.bi.dashboard.colorSetExtensions&options%5Bconfig%5D%5Bproduct%5D=CA&options%5Bconfig%5D%5BeditPropertiesLabel%5D=true&options%5Bconfig%5D%5BenableCustomVisualizations%5D=true&options%5Bconfig%5D%5BassetTags%5D%5B%5D=dashboard&options%5Bconfig%5D%5BfilterDock%5D=true&options%5Bconfig%5D%5BshowMembers%5D=true&options%5Bconfig%5D%5Bupgrades%5D=dashboard-core%2Fjs%2Fdashboard%2Fupgrades&options%5Bconfig%5D%5BassetType%5D=exploration&options%5Bconfig%5D%5BgeoService%5D=CA&options%5Bconfig%5D%5BsmartTitle%5D=true&options%5Bconfig%5D%5BnavigationGroupAction%5D=true&options%5Bconfig%5D%5BenableDataQuality%5D=false&options%5Bconfig%5D%5BmemberCalculation%5D=false&isAuthoringMode=false&boardId=i7A21B38366374DCF9013758E09892B53"><button>Dashboard</button></a>

<br><br><br><br>

<h2>Click here to visit the story</h2>

<a href =

"https://us1.ca.analytics.ibm.com/bi/?perspective=story&id=i19A67994C6F143F989E7EADE9F590807&objRef=i19A67994C6F143F989E7EADE9F590807&options%5BdisableGlassPrefetch%5D=true&options%5Bcollections%5D%5BcanvasExtension%5D%5Bid%5D=com.ibm.bi.dashboard.canvasExtension&options%5Bcollections%5D%5BfeatureExtension%5D%5Bid%5D=com.ibm.bi.dashboard.core-features&options%5Bcollections%5D%5Bbuttons%5D%5Bid%5D=com.ibm.bi.dashboard.buttons&options%5Bcollections%5D%5Bwidget%5D%5Bid%5D=com.ibm.bi.dashboard.widgets&options%5Bcollections%5D%5BcontentFeatureExtension%5D%5Bid%5D=com.ibm.bi.dashboard.content-features&options%5Bcollections%5D%5BsaveServices%5D%5Bid%5D=com.ibm.bi.dashboard.saveServices&options%5Bcollections%5D%5Btemplates%5D%5Bid%5D=com.ibm.bi.dashboard.templates&options%5Bcollections%5D%5BvisualizationExtension%5D%5Bid%5D=com.ibm.bi.dashboard.visualizationExtensionCA&options%5Bcollections%5D%5BboardModel%5D%5Bid%5D=com.ibm.bi.dashboard.boardModelExtension&options%5Bcollections%5D%5BcontentTypes%5D%5Bid%5D=com.ibm.bi.dashboard.contentTypes&options%5Bcollections%5D%5BserviceExtension%5D%5Bid%5D=com.ibm.bi.dashboard.serviceExtension&options%5Bcollections%5D%5BlayoutExtension%5D%5Bid%5D=com.ibm.bi.dashboard.layoutExtension&options%5Bcollections%5D%5BcolorSetExtensions%5D%5Bid%5D=com.ibm.bi.dashboard.colorSetExtensions&options%5Bconfig%5D%5BliveWidgetExtras%5D%5B%5D=reveal&options%5Bconfig%5D%5Bproduct%5D=CA&options%5Bconfig%5D%5BeditPropertiesLabel%5D=true&options%5Bconfig%5D%5BenableCustomVisualizations%5D=true&options%5Bconfig%5D%5BassetTags%5D%5B%5D=story&options%5Bconfig%5D%5BfilterDock%5D=true&options%5Bconfig%5D%5BshowMembers%5D=true&options%5Bconfig%5D%5Bupgrades%5D=dashboard-core%2Fjs%2Fdashboard%2Fupgrades&options%5Bconfig%5D%5BassetType%5D=exploration&options%5Bconfig%5D%5BgeoService%5D=CA&options%5Bconfig%5D%5BsmartTitle%5D=true&options%5Bconfig%5D%5BnavigationGroupAction%5D=true&options%5Bconfig%5D%5BenableDataQuality%5D=false&options%5Bconfig%5D%5BmemberCalculation%5D=false&isAuthoringMode=false&boardId=i7A21B38366374DCF9013758E09892B53">

etType%5D=exploration&options%5Bconfig%5D%5BgeoService%5D=CA&options%5Bconfig%5D%5BsmartTitle%5D=true&options%5Bconfig%5D%5BnavigationGroupAction%5D=true&options%5Bconfig%5D%5BenableDataQuality%5D=false&options%5Bconfig%5D%5BmemberCalculation%5D=false&isAuthoringMode=true&boardId=i19A67994C6F143F989E7EAD9F590807&sceneId="/"><button>Story</button></a>

</form>

</div>

</body>

</html>