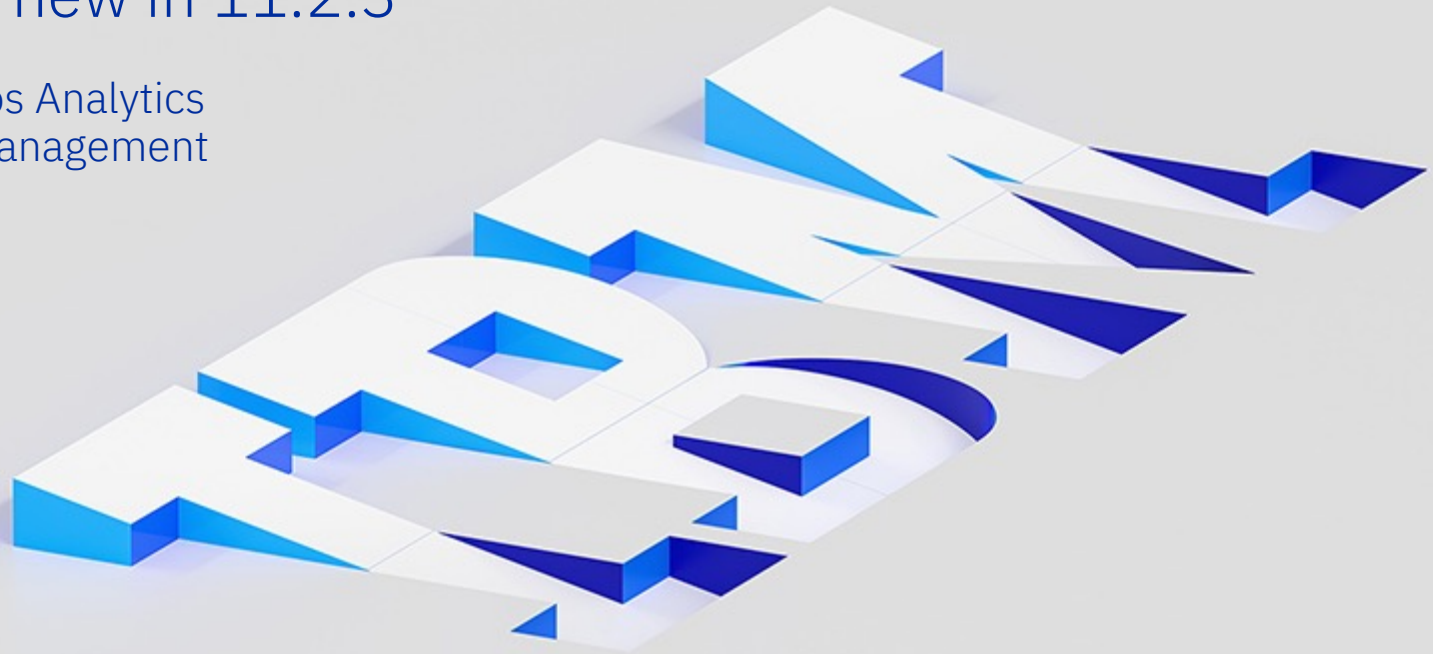
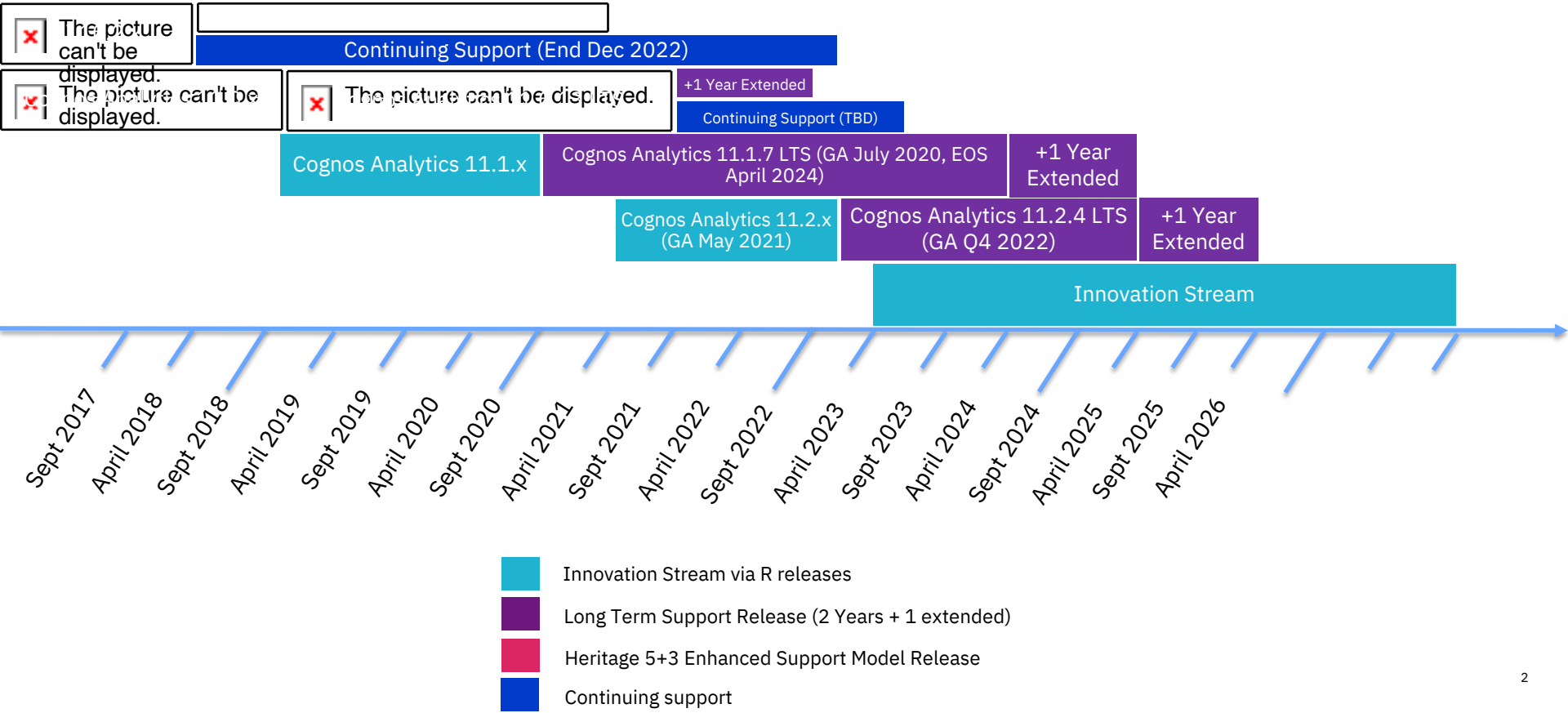
IBM Cognos Analytics with Watson
What's new in 11.2.3

—

The Cognos Analytics Product Management Team



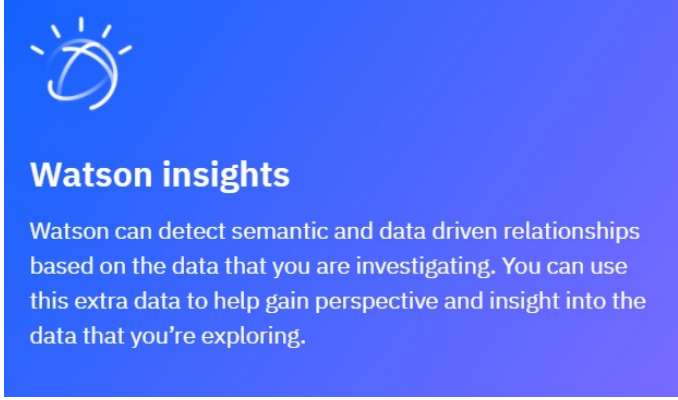
Release Life-Cycle (In-market view)

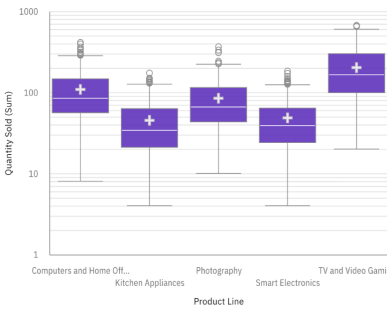


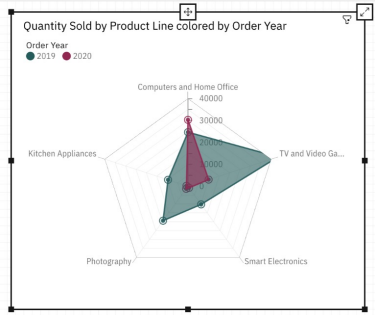
Recent Releases

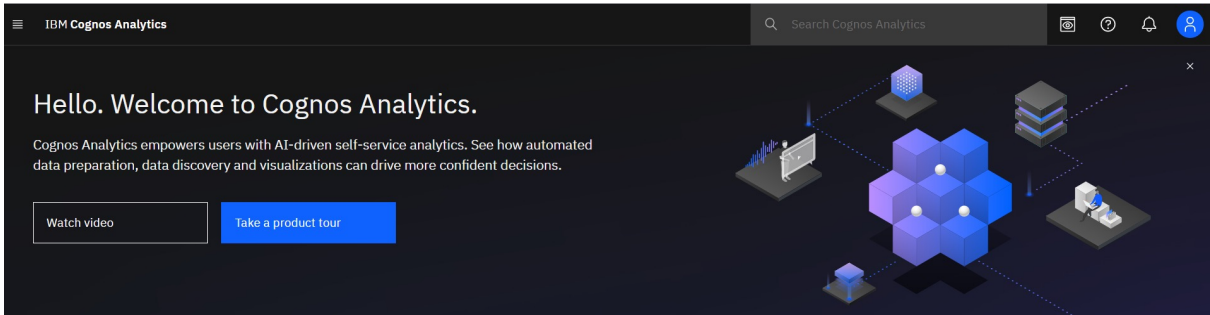
11.2.0 Re-cap

- UX Revamp
- AI Assistant and Forecasting support for OLAP cubes
- New dashboard visualizations: **Boxplot** and **Radar**
- More homepage customization options
- Improved Watson Studio integration
- Introducing Watson Moments
- S3 for TLS certificates
- Faster loading of dashboards

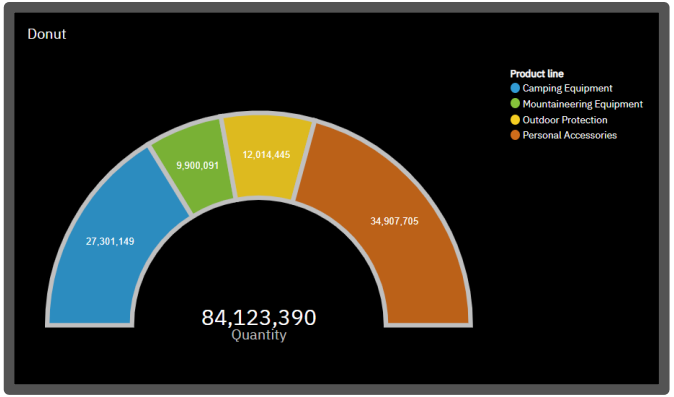




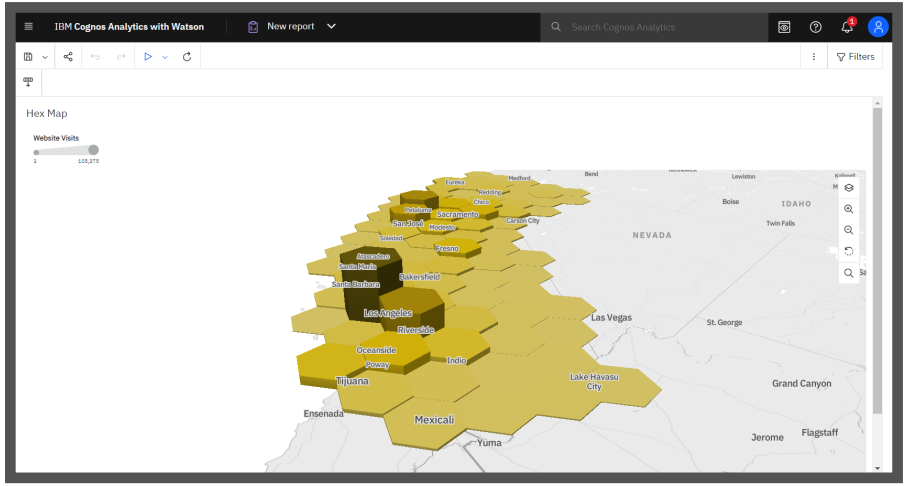




11.2.1 Re-cap

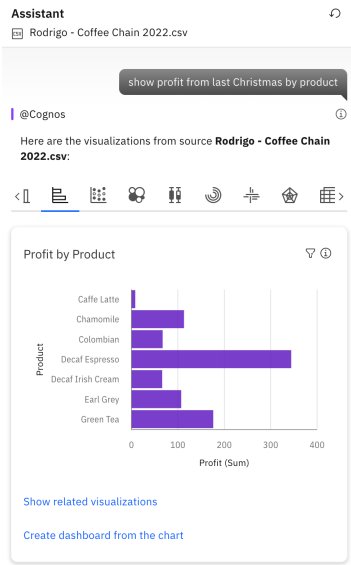


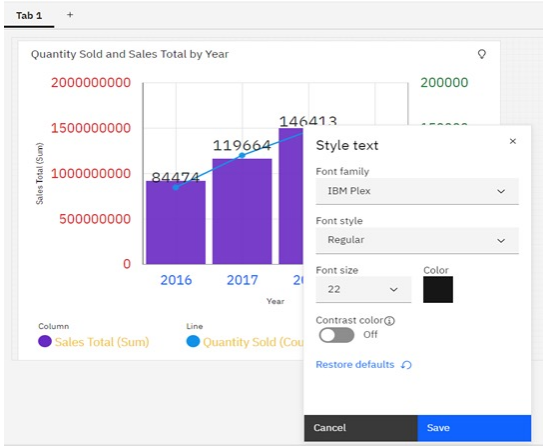
- IBM Cognos Analytics with Watson
- On-demand cloud reduced to 2 lower-cost tiers
- New Mobile only license for $5
- 3D maps and hex bin grouping
- Dremio and IBM Cloud SQL Query as supported data sources
- Tabbed report performance improvements
- New donut visualization



11.2.2 Re-cap

- NLG rephraser – better natural language generation
- AI assistant understand relative time and operators
- Dashboard usability improvements
- Sorting in metadata tree in data modules
- Consistent download experience in reporting
- Log4j upgrade
- Expanded vendor support for JWT



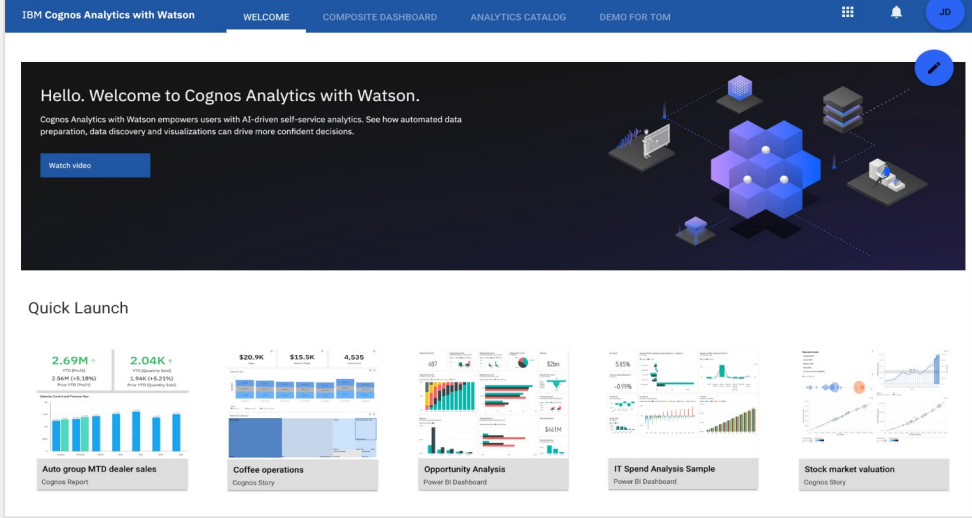


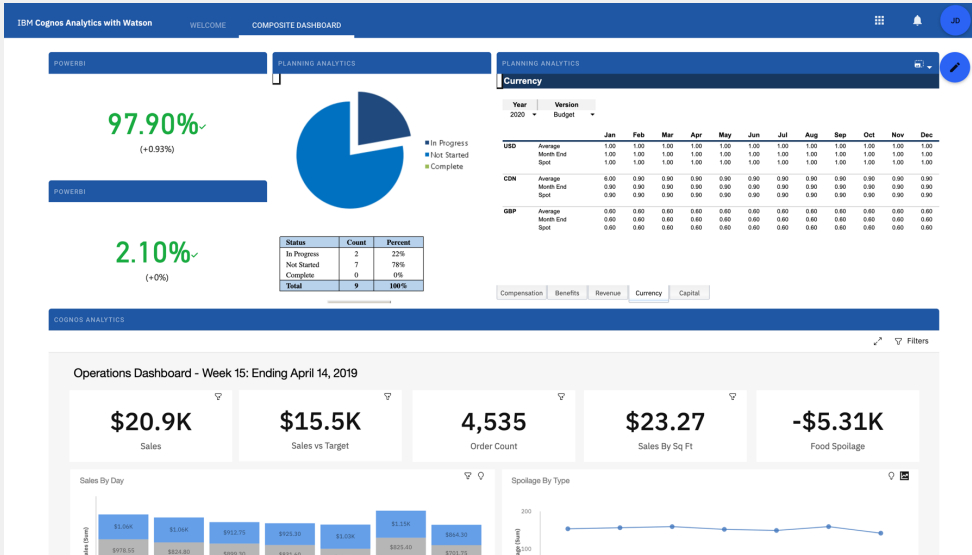
IBM Analytics Content Hub

IBM Analytics Content Hub

Break down analytic silos and deliver ALL business analytics to the communities.

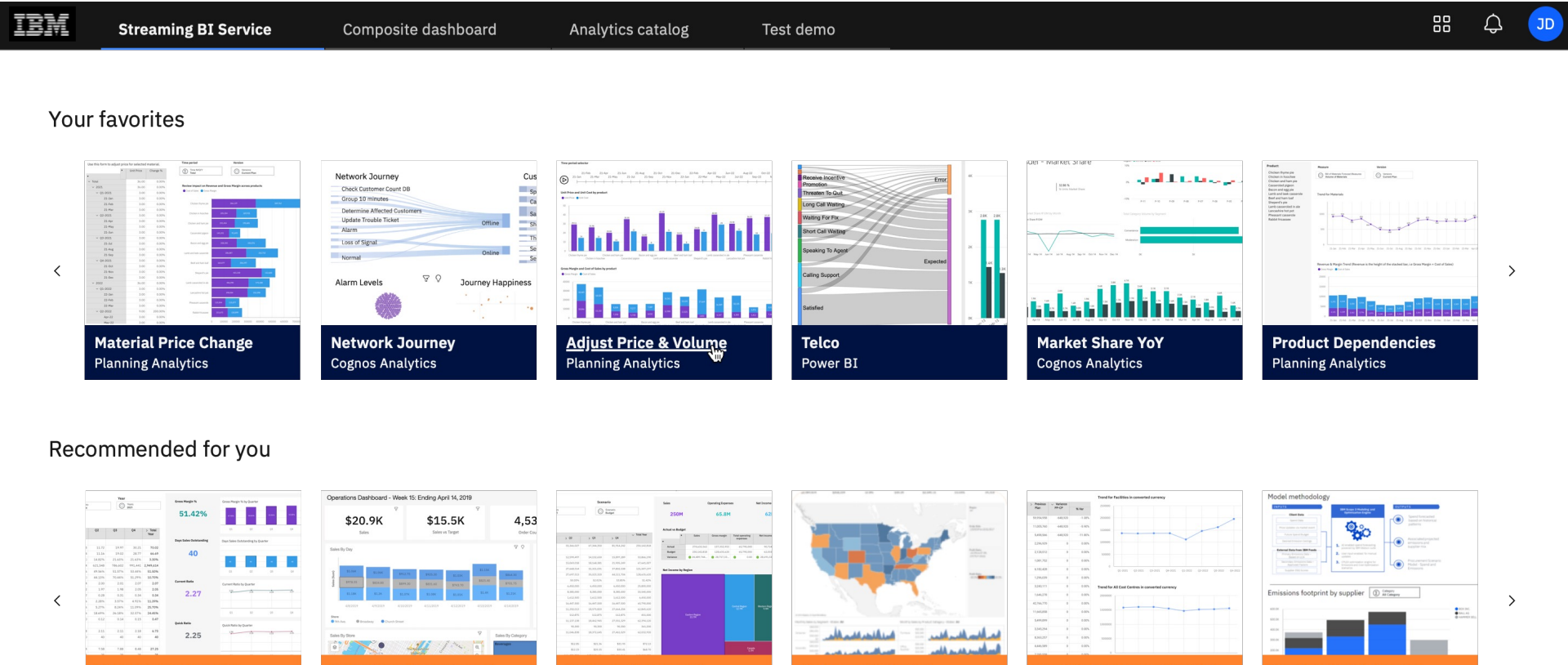
- One stop shop for all enterprise analytics
- Create ‘composite dashboards’ to bring content together
- Better way to deploy analytics





- A single hub to discover, access, search, personalize and recommend business analytics content regardless of vendor

Your streaming service for analytics content



What's New in 11.2.3

All Features

- Multi-directional Cascading filters in Dashboards
- Increase AI Assistant comprehension by understanding festival names, typos, holidays abbreviations and time expressions like YTD, QTD, MTD and WTD.
- Enhanced forecast accuracy and allow forecast considering multiple parameters and seasons
- View dashboards in MS Teams workspace tabs to increase collaboration efficiency
- Users can directly share report/dashboard links with their contacts in MS Teams
- Extend package capabilities to Dashboard
- Bring in the Extensions: Values as Values in a Crosstab ; Filter Dropdown ; Data Tool Tip
- New full-page user experience for editing asset properties.
- Create alias and shortcut tables in data modules.
- Allow users run reports with custom SQL without the ability to create and edit them.
- Enhanced search that will return both global search results as well as results from the current folder.
- Jupyter Notebooks R kernel to version 4.1
- Jupyter Notebooks Python kernel upgraded to 3.9.7
- Preview of Parameters and Prompts in Data Modules
- Customize the home page to hide the 'Watch Video' button.
- Capture source reports for report views in Audit DB
- Enhanced Security for Data Source Connections (JWT)
- Enable Zoom bar within a certain visualizations to improve usability
- Modellers can add descriptions to modelling objects
- Report authors can view column descriptions added by modellers
- Allow users to export Jupyter Notebooks in the form of an .ipynb file.
- New data source connections with CAoC On Demand
- Run on-premise Notebooks with Podman as well as Docker. Increased flexibility.
- Datasource Conformance 11.2.3
- Improve performance by reducing local processing costs; increase general performance of DQM engine

Alice Wang

Collaboration, Conformance, Compliance

Collaborate in MS Teams

Share report/dashboard links to Microsoft Teams

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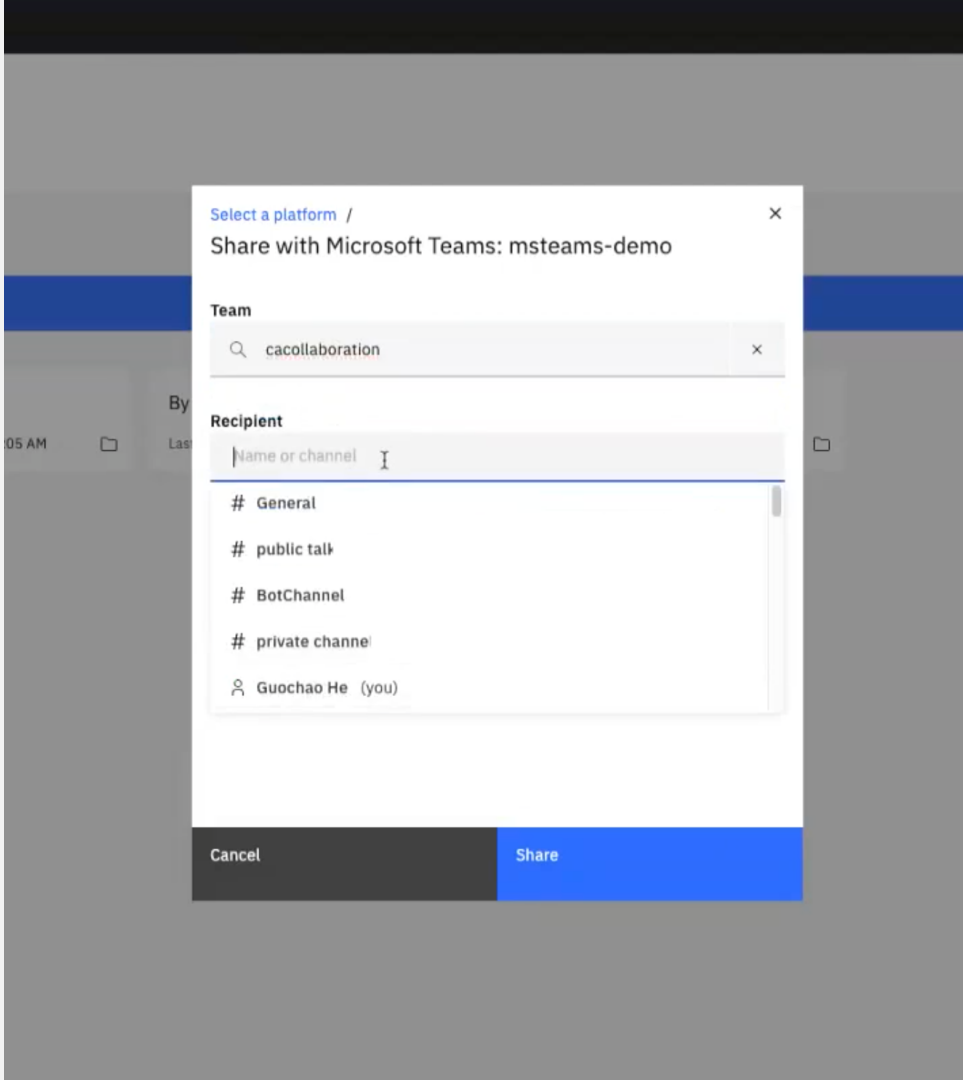
- Integrate with Microsoft Teams contact list
  - Support multiple team spaces
  - Share to individual users or channels or user groups

Click to add text



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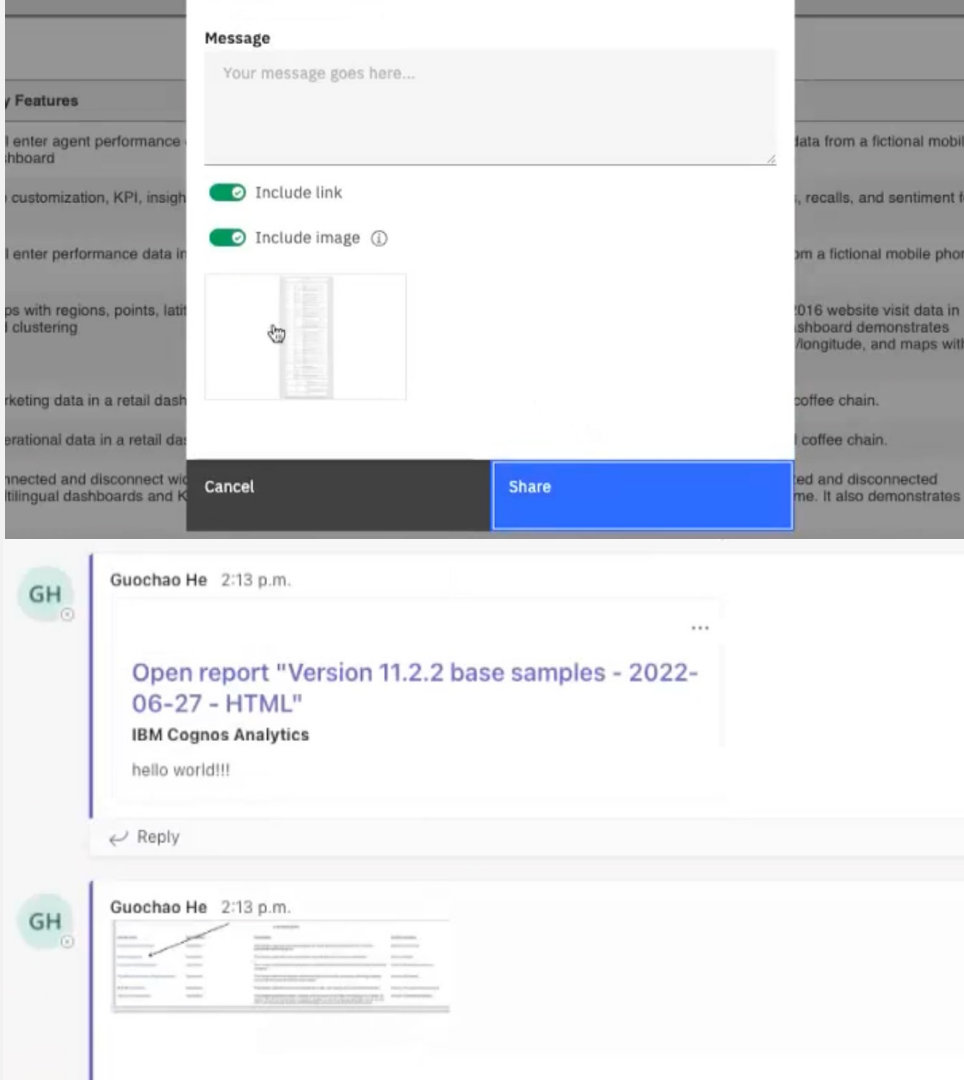
- Generate shareable Cognos links and images (optional) to Microsoft Teams



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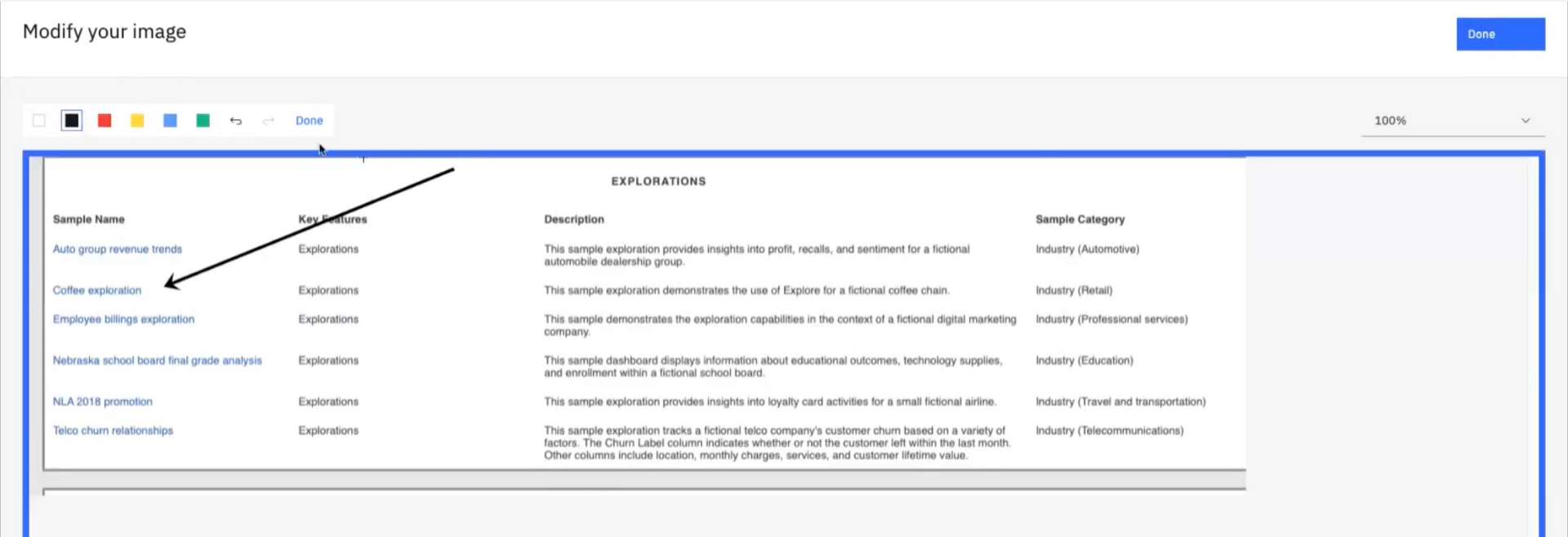
- Annotate images for better clarity and easier communication



Embed Cognos dashboards in Microsoft Teams workspace tabs to increase collaboration efficiency

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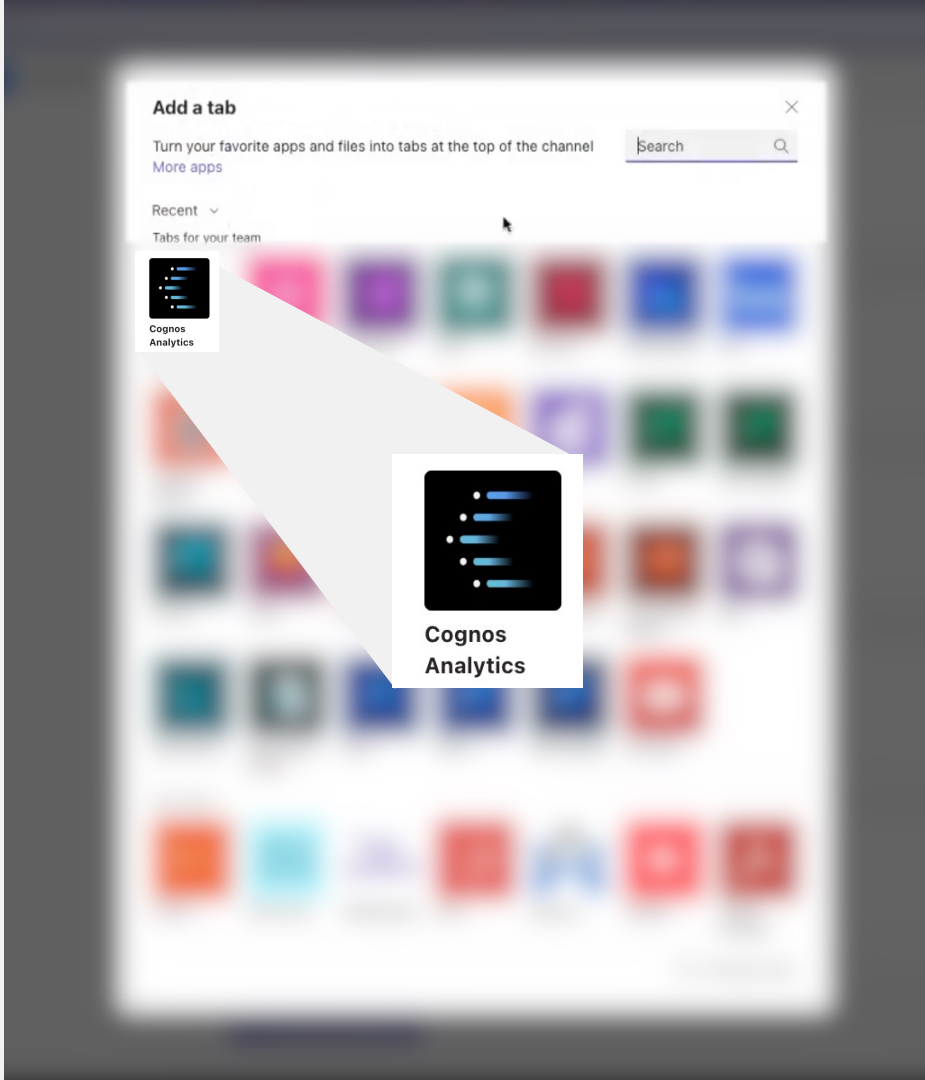
- Add your dashboards to the Teams workspace through the new Cognos Analytics App



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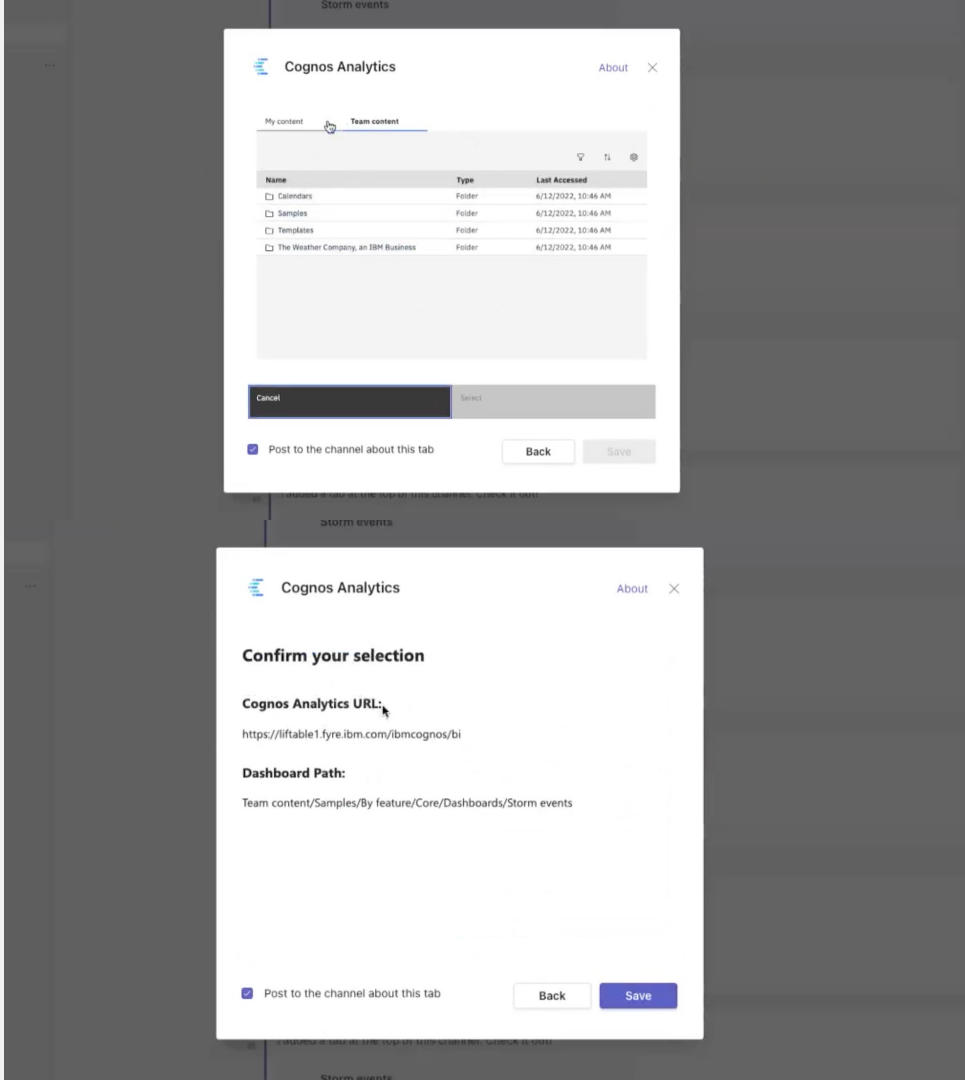
- Use the same Cognos credentials to retrieve your Cognos assets



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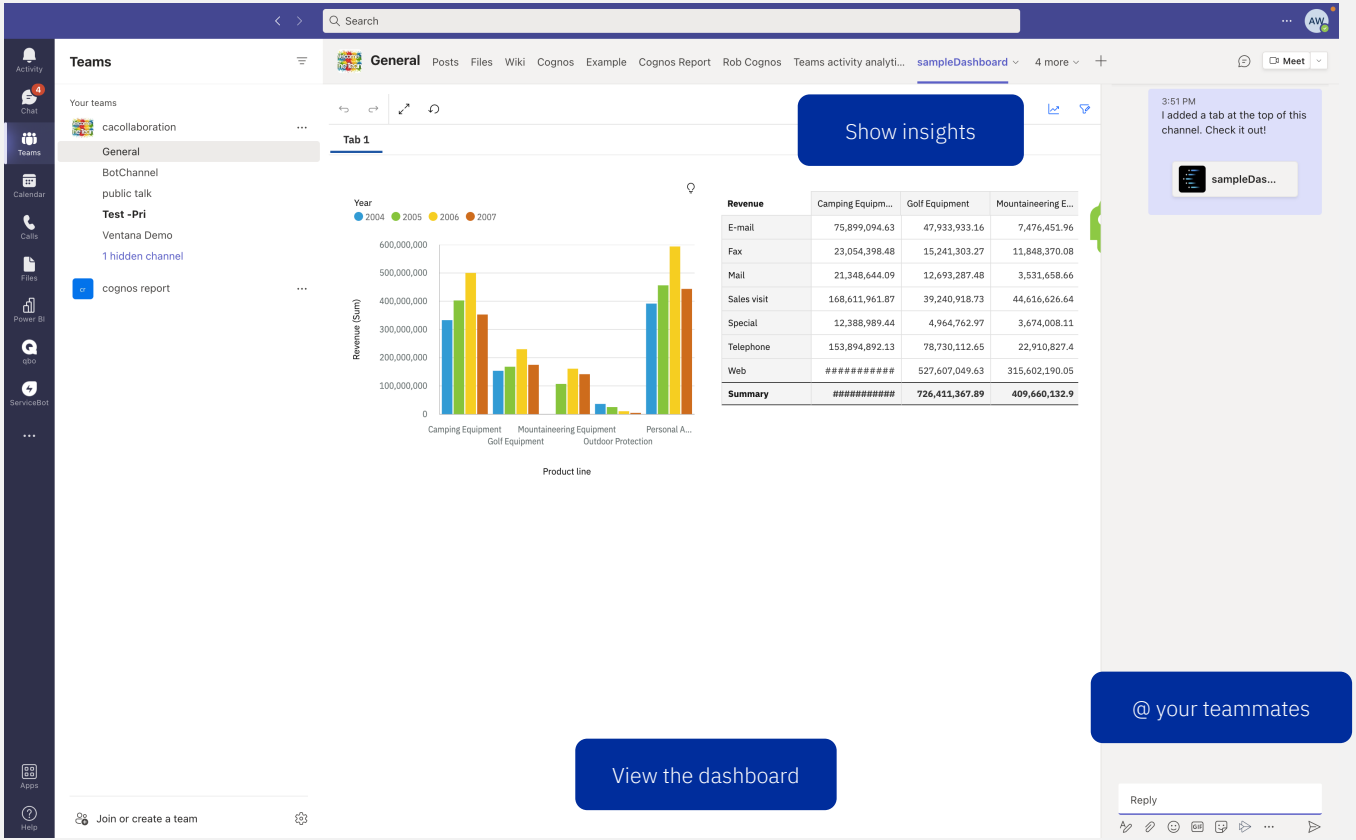
- Start collaborating with your Teams on the Cognos dashboard!



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Zach Taylor

Modelling, Data Access, Analyst Relations

Data Access & Data Modeling Improvements

Data Source Conformance Updates

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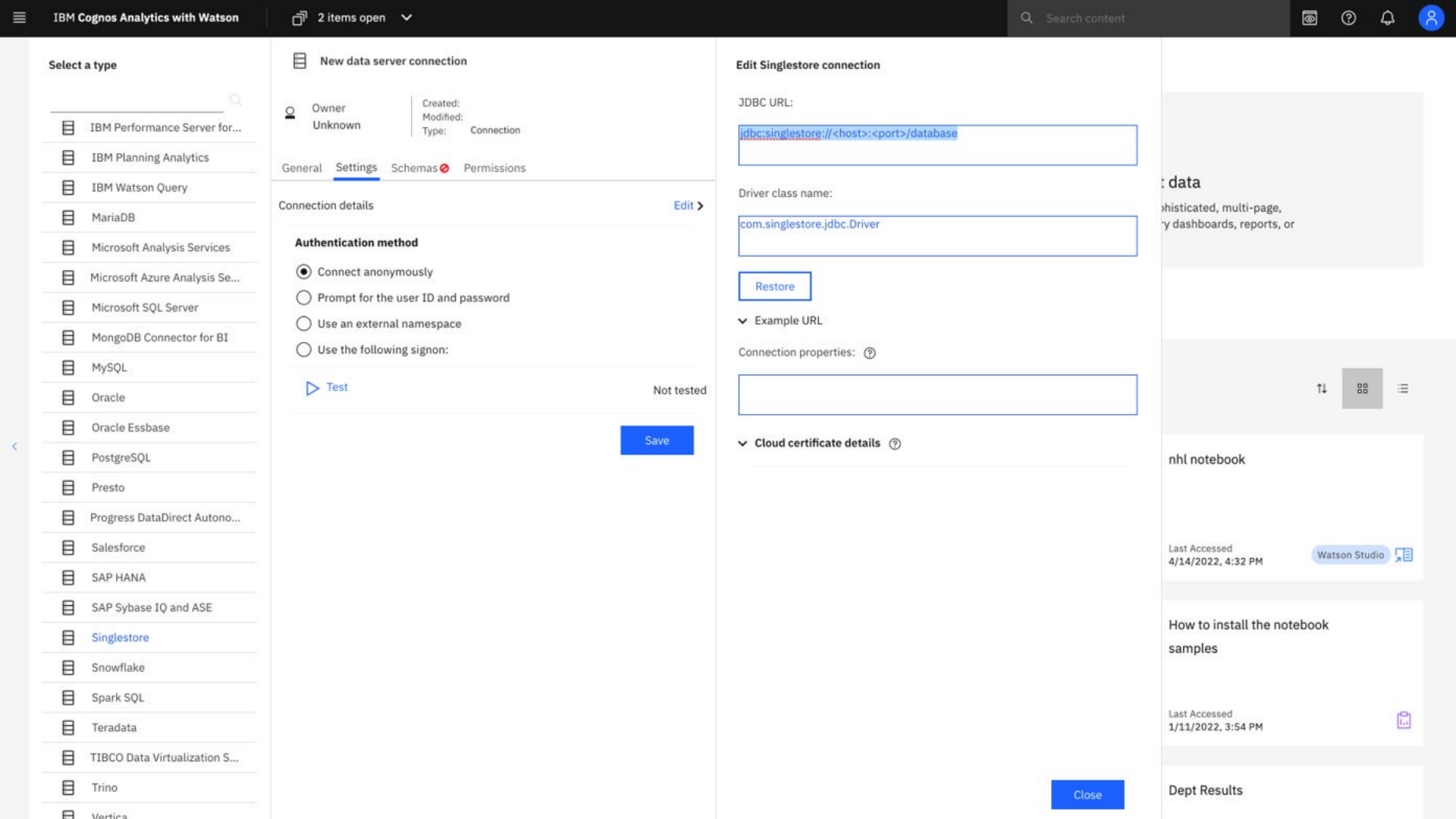
IBM Cognos Analytics with Watson
2 items open
Search content
Select a type
IBM Performance Server for...
IBM Planning Analytics
IBM Watson Query
MariaDB
Microsoft Analysis Services
Microsoft Azure Analysis Se...
Microsoft SQL Server
MongoDB Connector for BI
MySQL
Oracle
Oracle Essbase
PostgreSQL
Presto
Progress DataDirect Autono...
Salesforce
SAP HANA
SAP Sybase IQ and ASE
Singlestore
Snowflake
Spark SQL
Teradata
TIBCO Data Virtualization S...
Trino
Vertica
New data server connection
Owner
Unknown
Created:
Modified:
Type: Connection
General
Settings
Schemas
Permissions
Connection details
Edit
Authentication method
Connect anonymously
Prompt for the user ID and password
Use an external namespace
Use the following signon:
Test
Not tested
Save
Edit Singlestore connection
JDBC URL:
jdbc:singlestore://<host>:<port>/database
Driver class name:
com.singlestore.jdbc.Driver
Restore
Example URL
Connection properties:
Cloud certificate details
Close
: data
ohisticated, multi-page,
y dashboards, reports, or
nhl notebook
Last Accessed
4/14/2022, 4:32 PM
Watson Studio
How to install the notebook samples
Last Accessed
1/11/2022, 3:54 PM
Dept Results

Improve performance by reducing local processing costs; increase general performance of DQM engine

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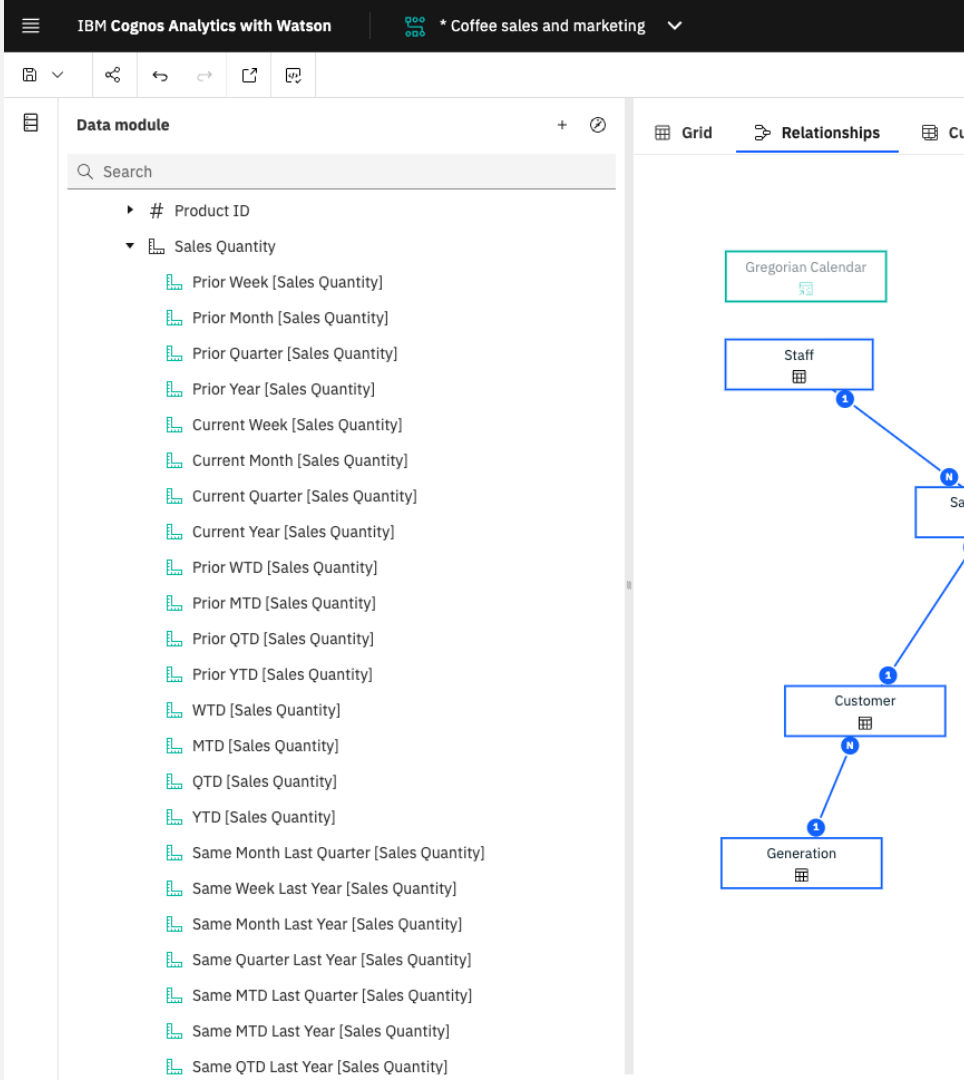
- Improvements with vendor functions to reduce local processing
- Improvements to query performance with relative time



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Enhanced Security for Data Source Connections (JWT)

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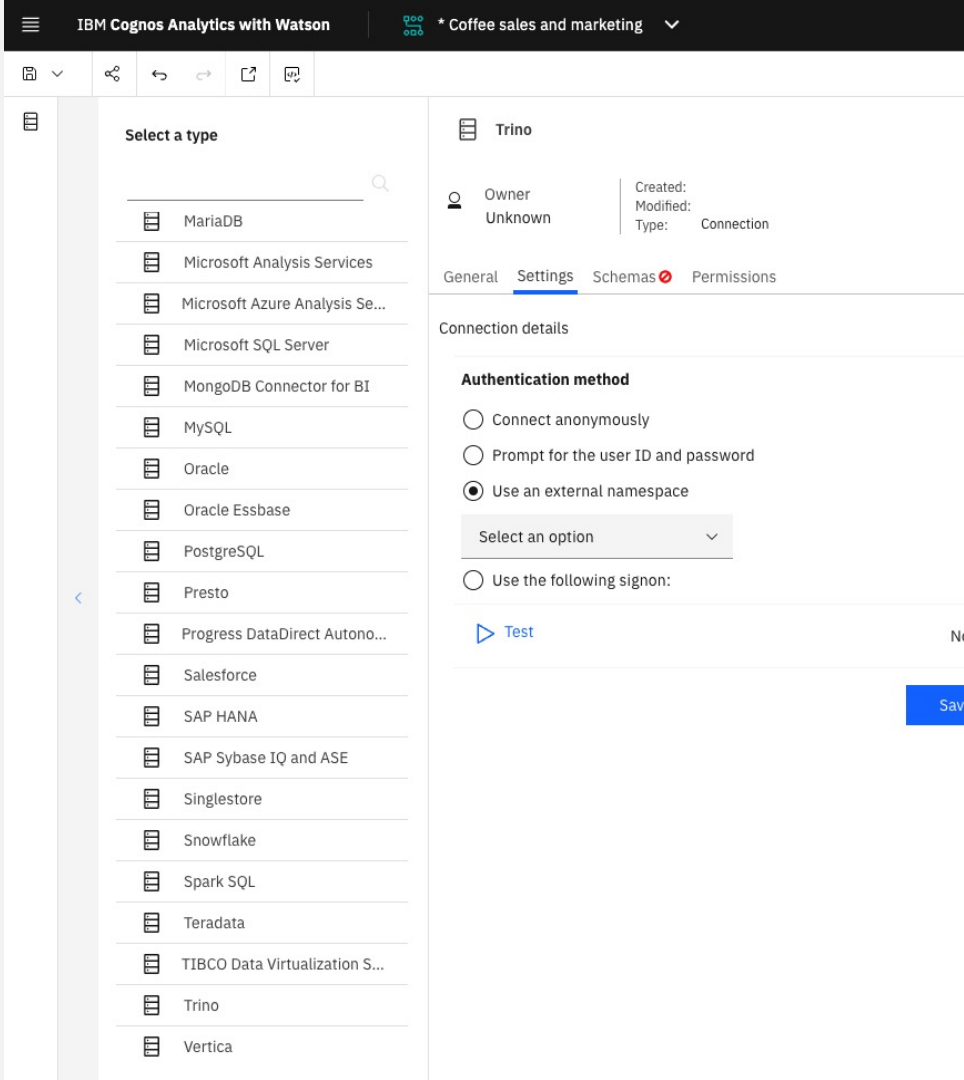
- Amazon Redshift
- Trino



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Descriptions field for modeling objects

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Data module

Search

- New data module
  - Navigation paths
  - Product Survey Results
  - Product Survey Targets
  - Product Survey Topic
  - Promotions
    - Promotion Code
    - Campaign Code
    - Bundle Group Code
    - Promotion Name En
    - Promotion Name De
    - Promotion Name Fr
    - Promotion Name Ja
    - Promotion Name Ar
    - Promotion Name Cs
    - Promotion Name Da
    - Promotion Name El
    - Promotion Name Es
    - Promotion Name Fi
    - Promotion Name Hr
    - Promotion Name Hu
    - Promotion Name Id
    - Promotion Name It
    - Promotion Name Kk

Grid | Relationships | Custom tables

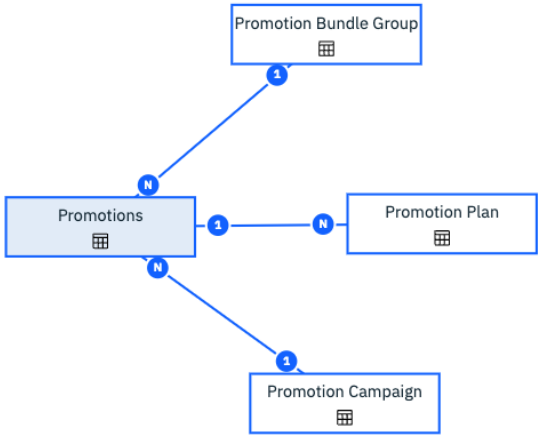


Diagram settings

Cardinality

Focus mode

Degrees of separation: 1

1 ∞

Properties

General | Navigation paths

Label	Promotion Code
Hide from users	
Expression	View or edit
Usage	Identifier
Aggregate	Count Distinct
Data type	Integer
Represents	Default

Description

Sample description for report and dashboard authors

Comments

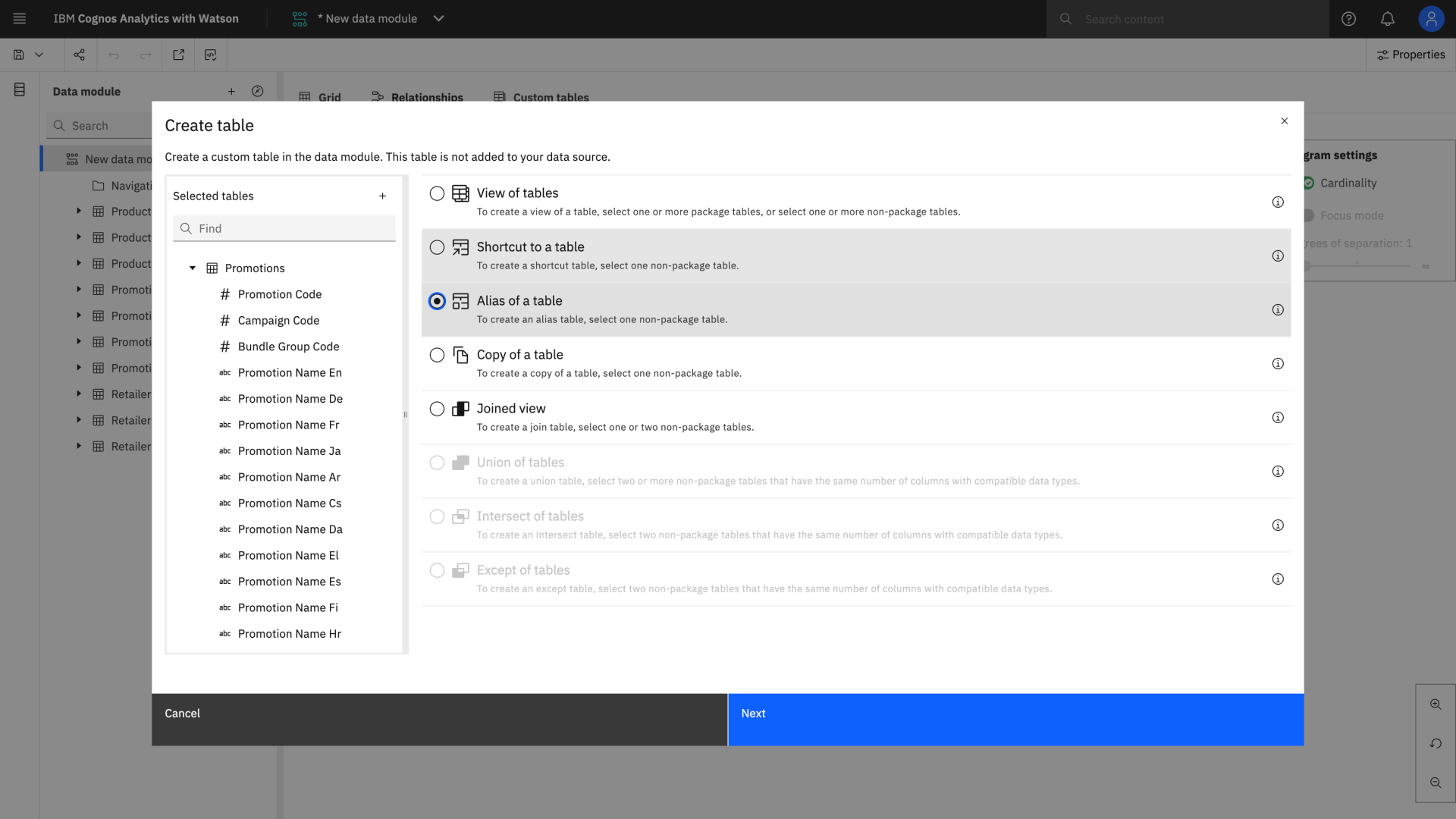
Sample comment only for data modelers

Screen tip

Members display

Display options: Automatic

Create alias and shortcut tables in data modules.


IBM Cognos Analytics with Watson
* New data module
Search content
Properties
Data module
Search
New data mo
Navigati
Product
Product
Product
Promoti
Promoti
Promoti
Promoti
Retailer
Retailer
Retailer
Grid
Relationships
Custom tables
gram settings
Cardinality
Focus mode
rees of separation: 1
Create table
Create a custom table in the data module. This table is not added to your data source.
Selected tables
Find
Promotions
Promotion Code
Campaign Code
Bundle Group Code
Promotion Name En
Promotion Name De
Promotion Name Fr
Promotion Name Ja
Promotion Name Ar
Promotion Name Cs
Promotion Name Da
Promotion Name El
Promotion Name Es
Promotion Name Fi
Promotion Name Hr
View of tables
To create a view of a table, select one or more package tables, or select one or more non-package tables.
Shortcut to a table
To create a shortcut table, select one non-package table.
Alias of a table
To create an alias table, select one non-package table.
Copy of a table
To create a copy of a table, select one non-package table.
Joined view
To create a join table, select one or two non-package tables.
Union of tables
To create a union table, select two or more non-package tables that have the same number of columns with compatible data types.
Intersect of tables
To create an intersect table, select two non-package tables that have the same number of columns with compatible data types.
Except of tables
To create an except table, select two non-package tables that have the same number of columns with compatible data types.
Cancel
Next

Tim Aston

Home page, Content Nav, Mobile, IBM Dashboards, Release Planning

Other ongoing improvements

New full-page user experience for editing asset properties.

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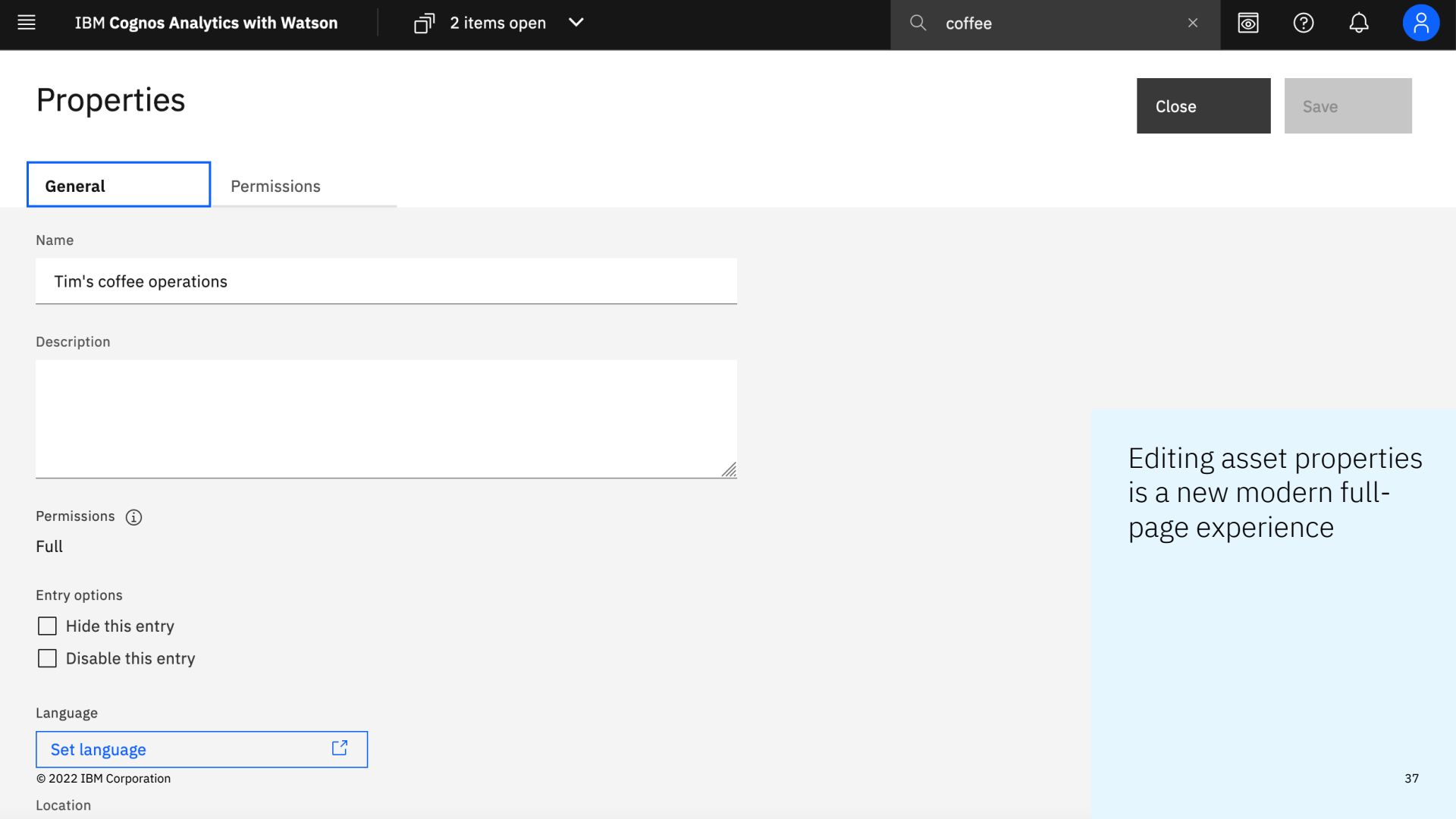

Editing asset properties is a new modern full-page experience

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Enhanced search that will return both global search results as well as results from the current folder.

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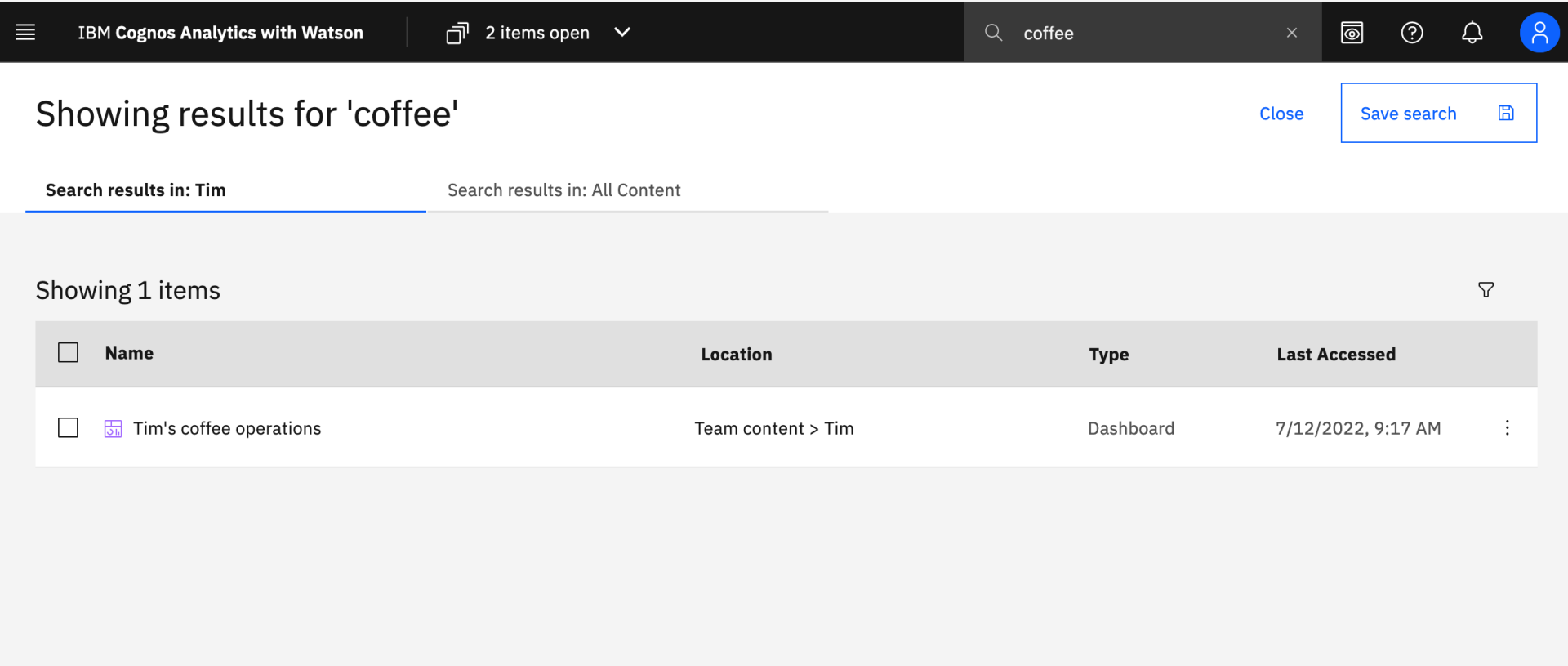
The search now includes 2 tabs:

- Global search results, like before
- NEW! Search results from your current folder



Customize the home page to hide the 'Watch Video' button

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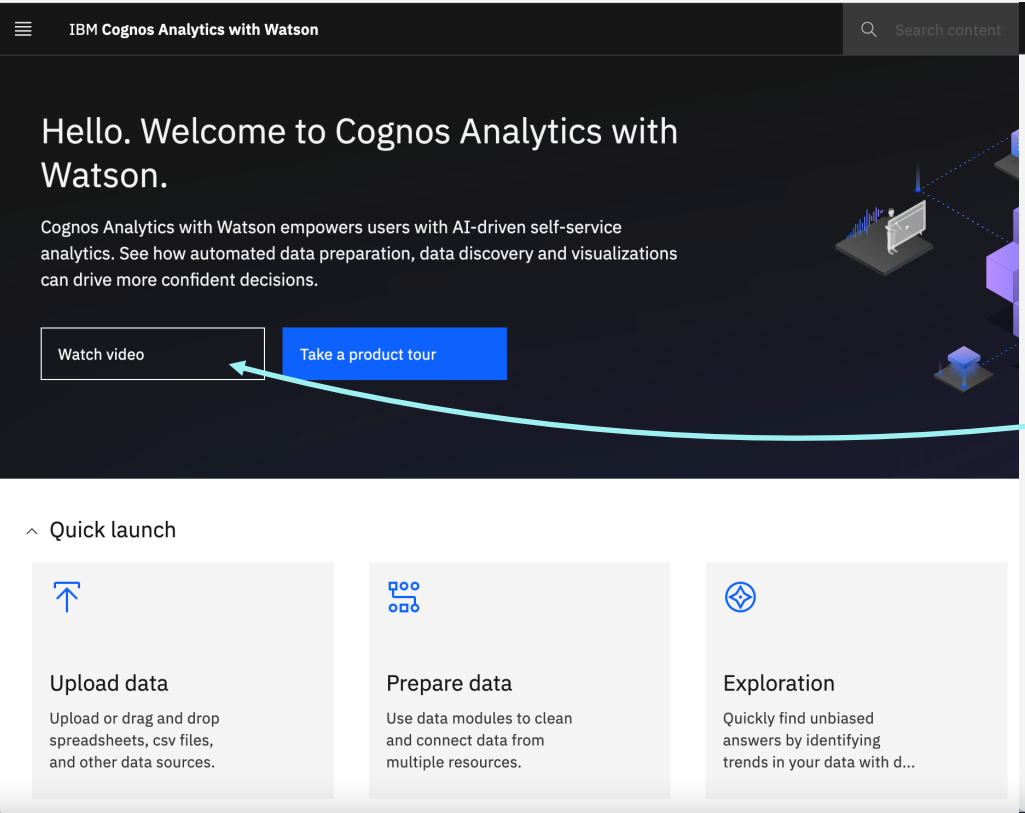
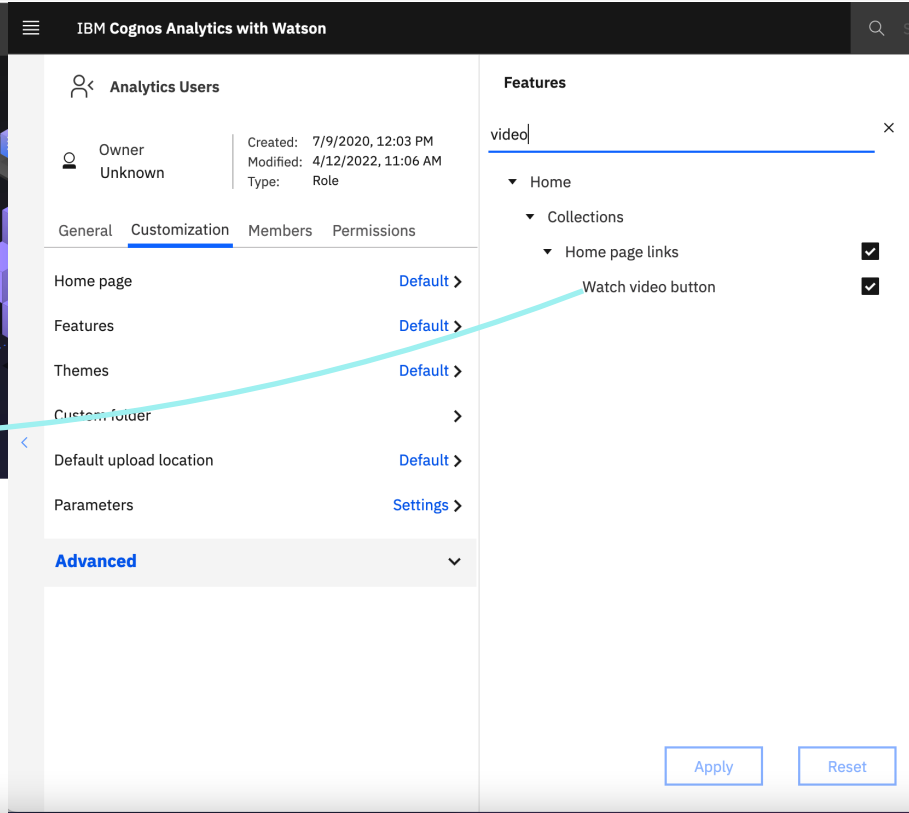
The search now includes 2 tabs:
Global search results, like before
NEW! Search results from your current folder





Rodrigo de Andrade

AI, Visualization, Mapping

AI enhancements

Increase AI Assistant comprehension by understanding festival names, holidays abbreviations and time expressions like YTD, QTD, MTD and WTD

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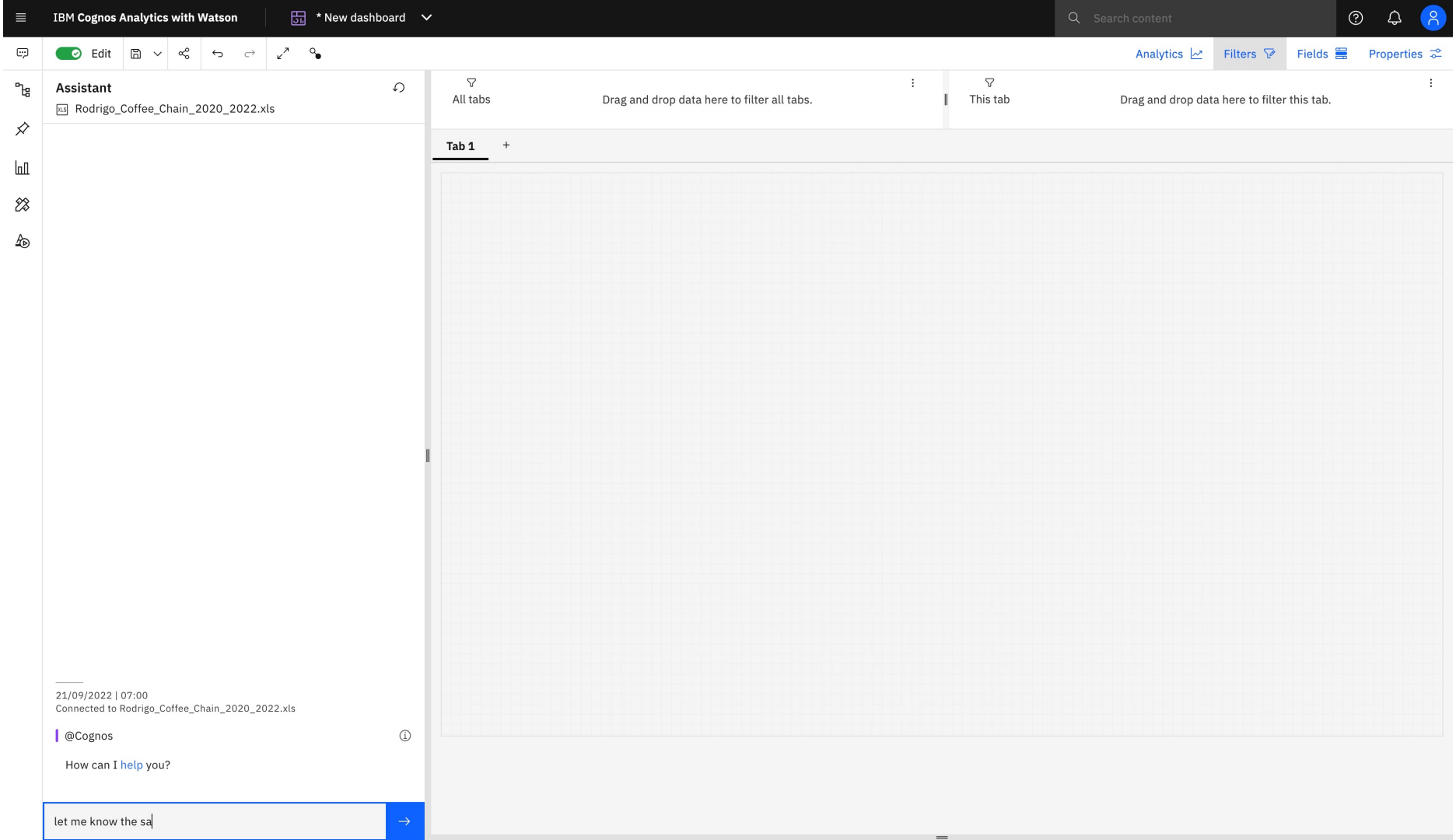
IBM Cognos Analytics with Watson
* New dashboard
Search content
Edit
Analytics
Filters
Fields
Properties
Assistant
Rodrigo_Coffee_Chain_2020_2022.xls
All tabs
Drag and drop data here to filter all tabs.
This tab
Drag and drop data here to filter this tab.
Tab 1
21/09/2022 | 07:00
Connected to Rodrigo_Coffee_Chain_2020_2022.xls
@Cognos
How can I help you?
let me know the sa

Enhanced forecast accuracy and allow forecast considering multiple parameters and seasons

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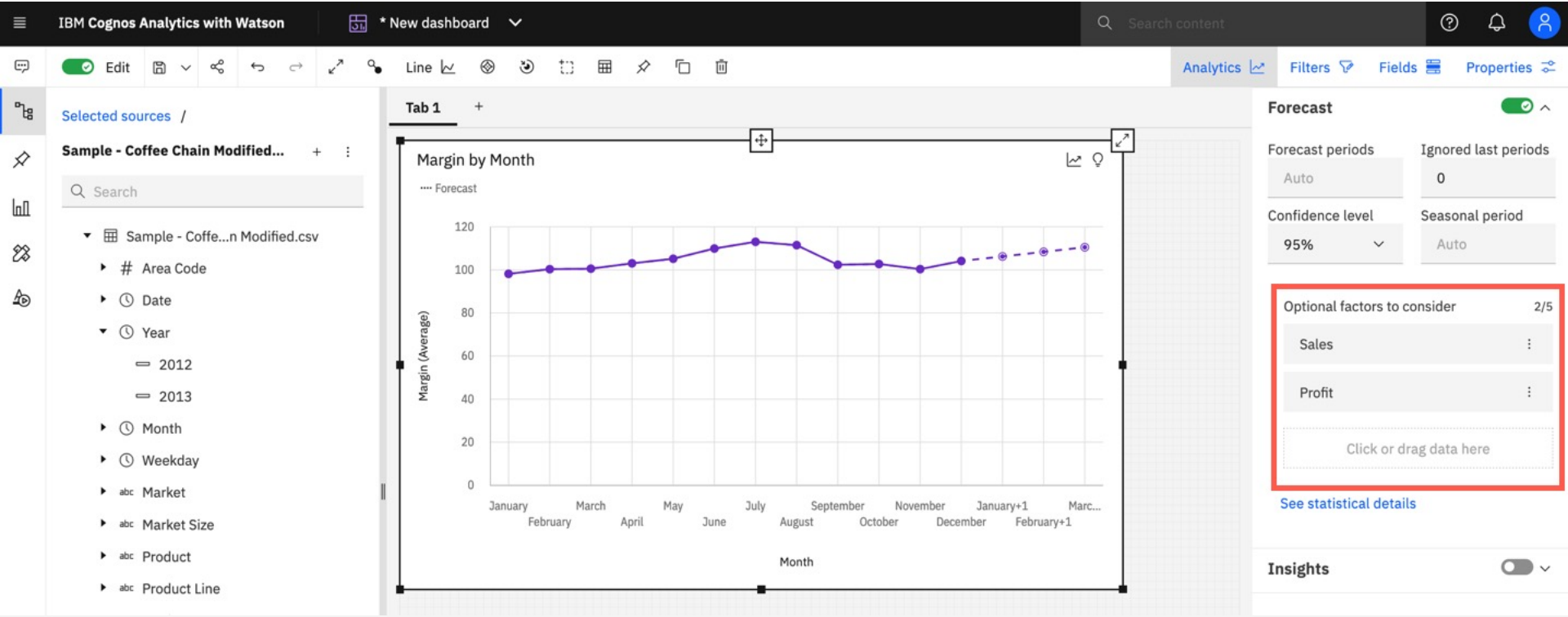
Now the forecast can consider up to 5 factors



Rahul Gupta

Data Science, Analytics Content Hub, NPS, CA Trial, Competitive Analysis

Data science updates

Upgraded kernels

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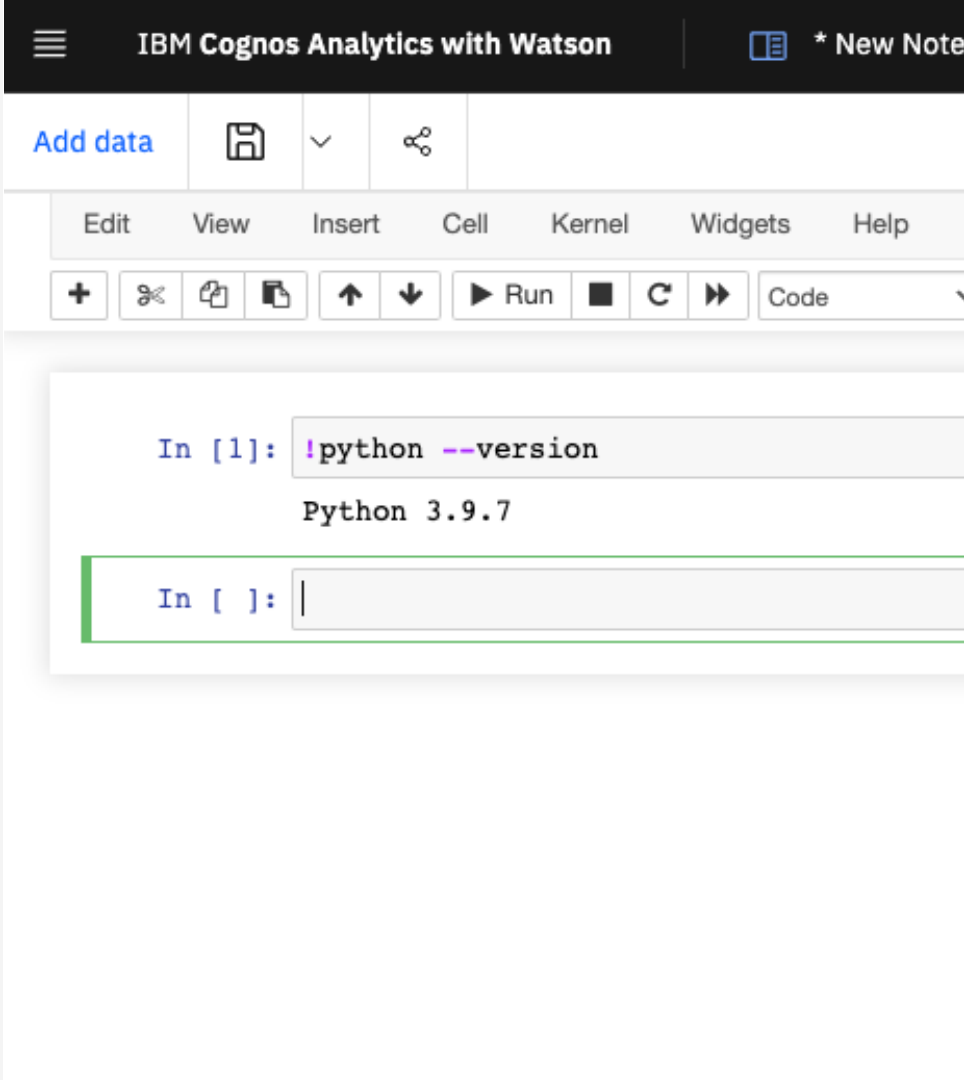
R kernel to updates version 4.1

Python kernel upgraded to 3.9.7

With upgraded kernels, there is an increased compatibility with newer packages, which would lead to fewer errors when executing notebooks



Run on-premise Notebooks with Podman as well as Docker

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This provides flexibility and an alternative for customers leaving Docker due to licensing issues.

```
[root@gentians1 unix]#
[root@gentians1 unix]# podman ps -a
CONTAINER ID  IMAGE                                 COMMAND               CREATED         STATUS             PORTS
3aac63aadd69  localhost/ca_jupyter_viewer:latest  python3 -m nbview...  30 seconds ago  Up 30 seconds ago
520167a62462  localhost/ca_jupyter_hub:latest     jupyterhub -f /sr...  29 seconds ago  Up 29 seconds ago  0.0.0.0:8000->8000/tcp
[root@gentians1 unix]#
[root@gentians1 unix]#
[root@gentians1 unix]# podman --version
podman version 4.0.2
[root@gentians1 unix]#
[root@gentians1 unix]#
[root@gentians1 unix]#
[root@gentians1 unix]# podman ps -a
CONTAINER ID  IMAGE                                 COMMAND               CREATED         STATUS             PORTS                   NA
3aac63aadd69  localhost/ca_jupyter_viewer:latest  python3 -m nbview...  2 minutes ago   Up 2 minutes ago                           c
520167a62462  localhost/ca_jupyter_hub:latest     jupyterhub -f /sr...  2 minutes ago   Up 2 minutes ago   0.0.0.0:8000->8000/tcp  c
[root@gentians1 unix]#
[root@gentians1 unix]#
[root@gentians1 unix]#
[root@gentians1 unix]# podman stats

ID            NAME              CPU %       MEM USAGE / LIMIT  MEM %       NET IO          BLOCK IO         PIDS        CPU TIME
3aac63aadd69  ca_jupyter_viewer  4.16%       30.7MB / 8.14GB    0.38%       908B / 1.87kB   -- / --          1           690.16168
520167a62462  ca_jupyter_hub     1.10%       144.6MB / 8.14GB   1.78%       908B / 1.594kB  169.7MB / 1.1MB  10          1.8328891
^[^C[root@gentians1 unix]#
```

Allow users to export Jupyter Notebooks in the form of an .ipynb file.

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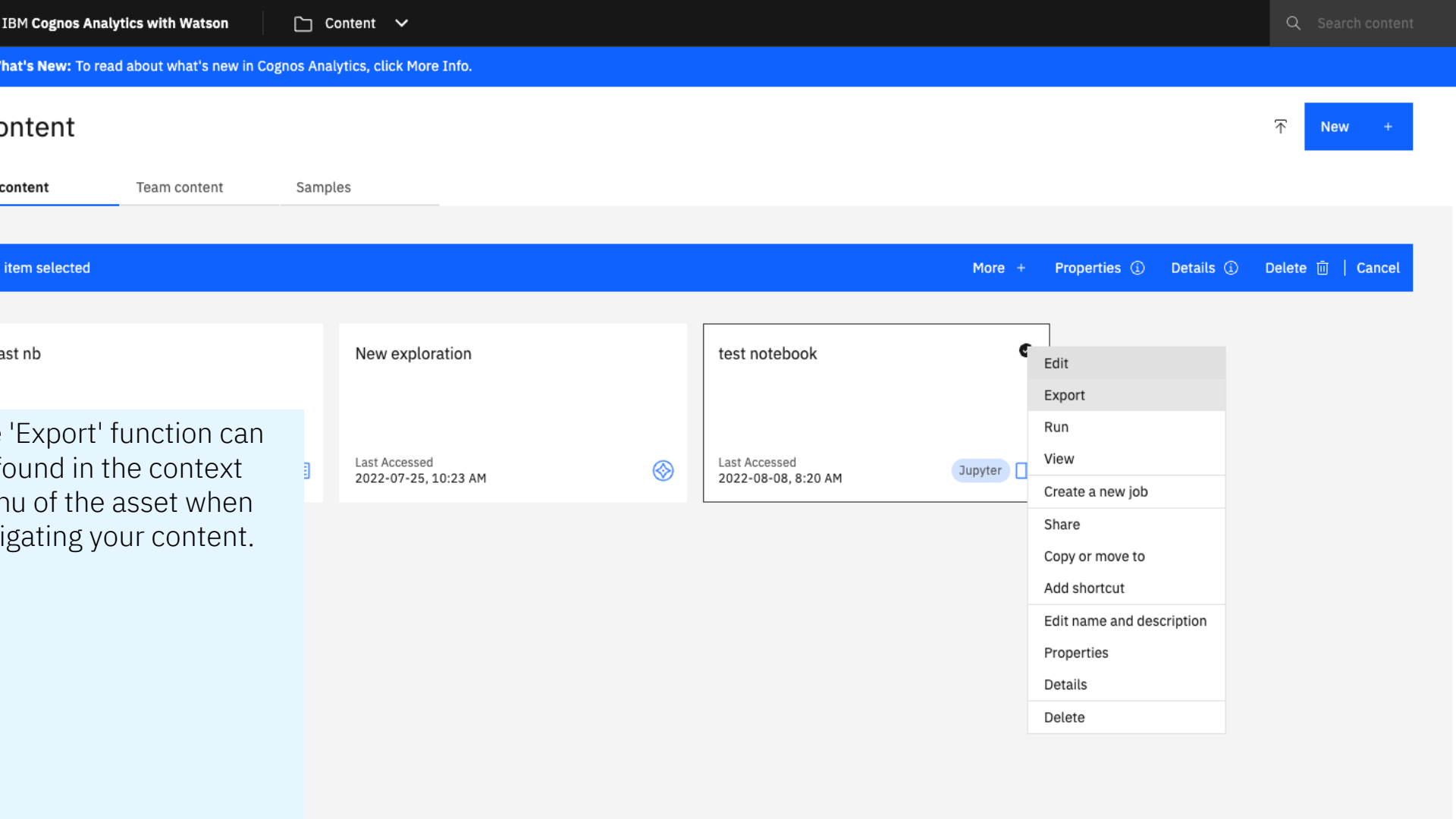
IBM Cognos Analytics with Watson
Content
Search content
hat's New: To read about what's new in Cognos Analytics, click More Info.
ontent
New
content
Team content
Samples
item selected
More
Properties
Details
Delete
Cancel
ast nb
New exploration
Last Accessed
2022-07-25, 10:23 AM
test notebook
Last Accessed
2022-08-08, 8:20 AM
Jupyter
Edit
Export
Run
View
Create a new job
Share
Copy or move to
Add shortcut
Edit name and description
Properties
Details
Delete
'Export' function can
found in the context
nu of the asset when
igating your content.

Sami El Cheikh

Dashboard, Microsoft Office Connection for Cognos

Dashboard enhancements

Multi-directional cascading filters in Dashboards

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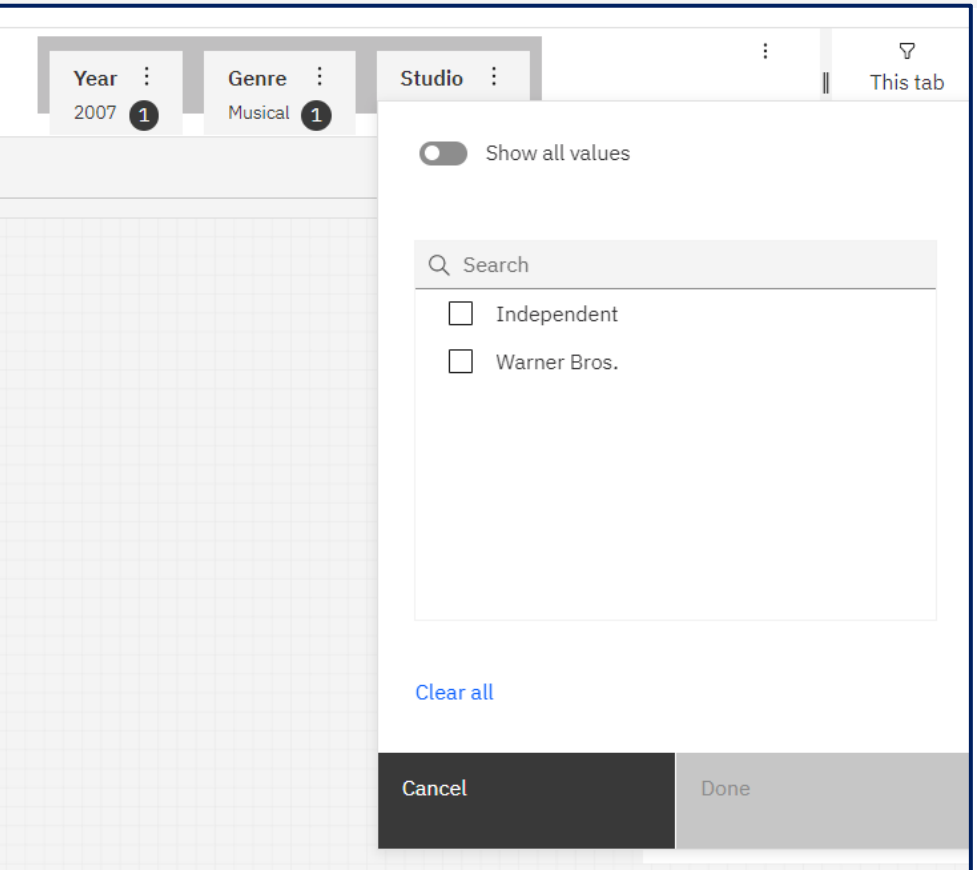
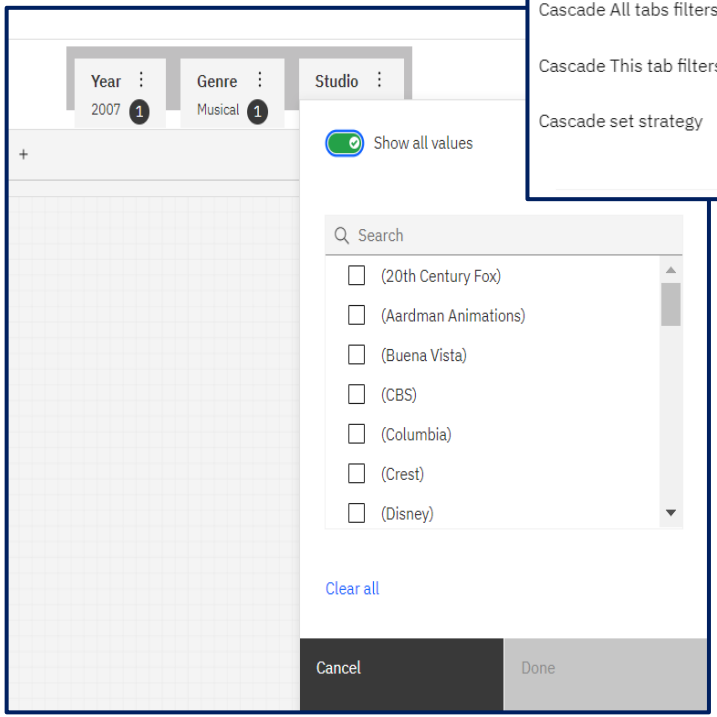
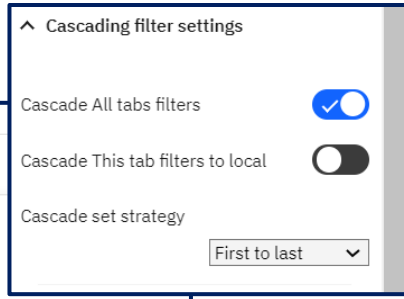
Enable values selected from one filter to scope available values in another
Unidirectional and Multidirectional support
Within and across Global and Tab level filters







Bring in the Extensions:
Values in a Crosstab
Filter Dropdown
Data Tool Tip

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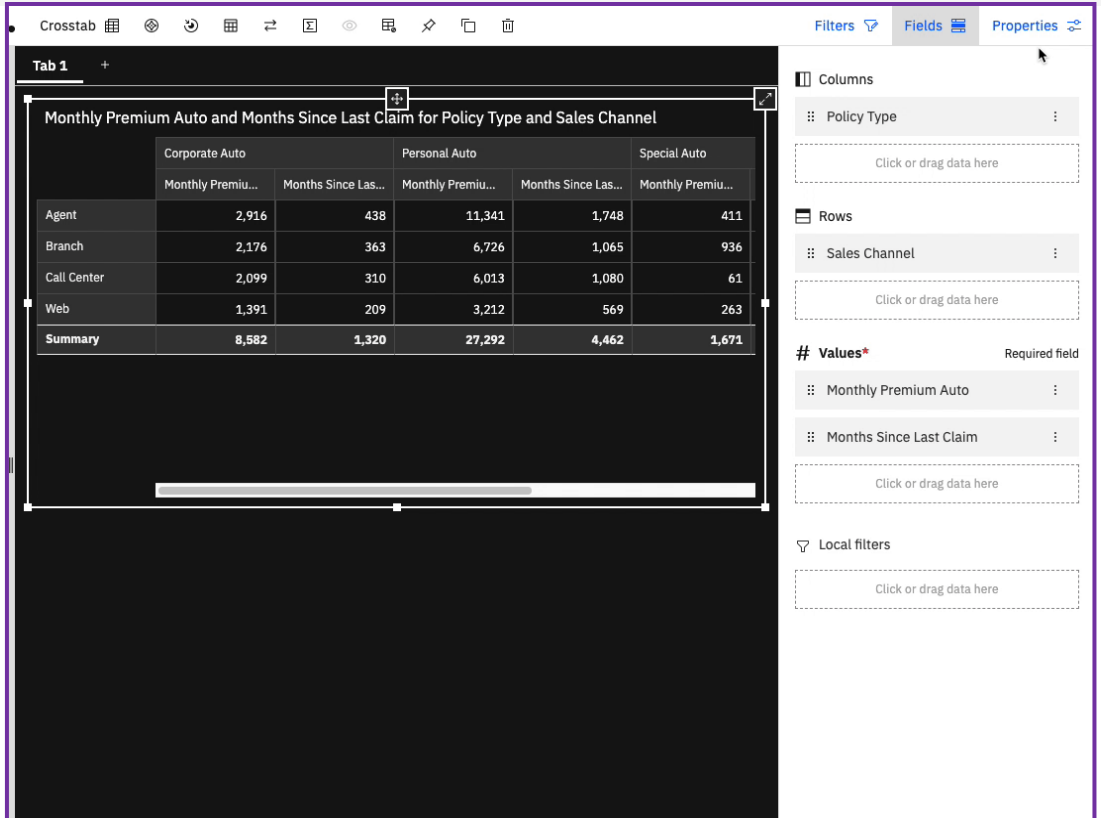
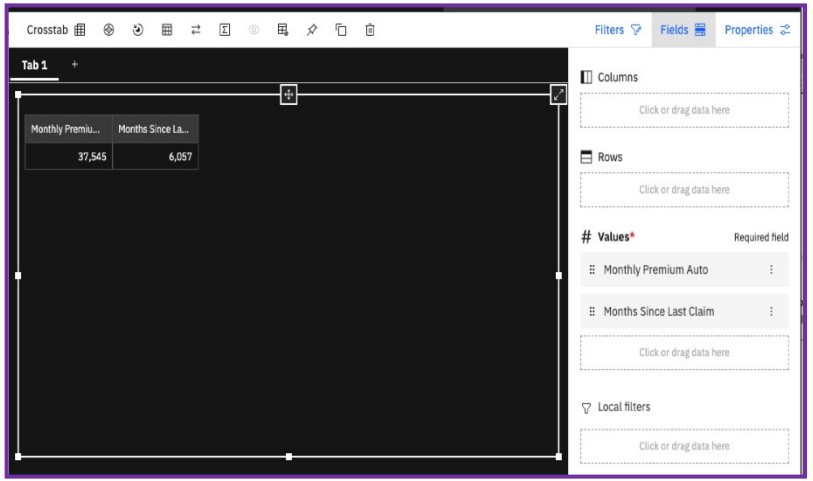
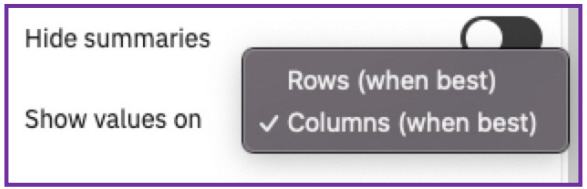
Ability to create a Values-only crosstab

New property to move Values field data to appear as row headers, when conditions have been met:

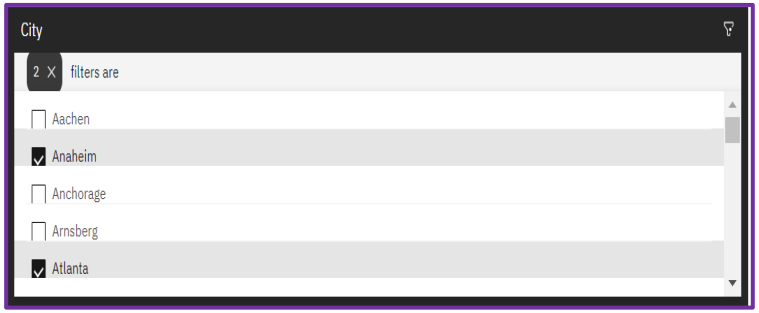
1. At least 1 column in Columns field
2. At least 1 column in Rows field
3. least 2 columns in Values field

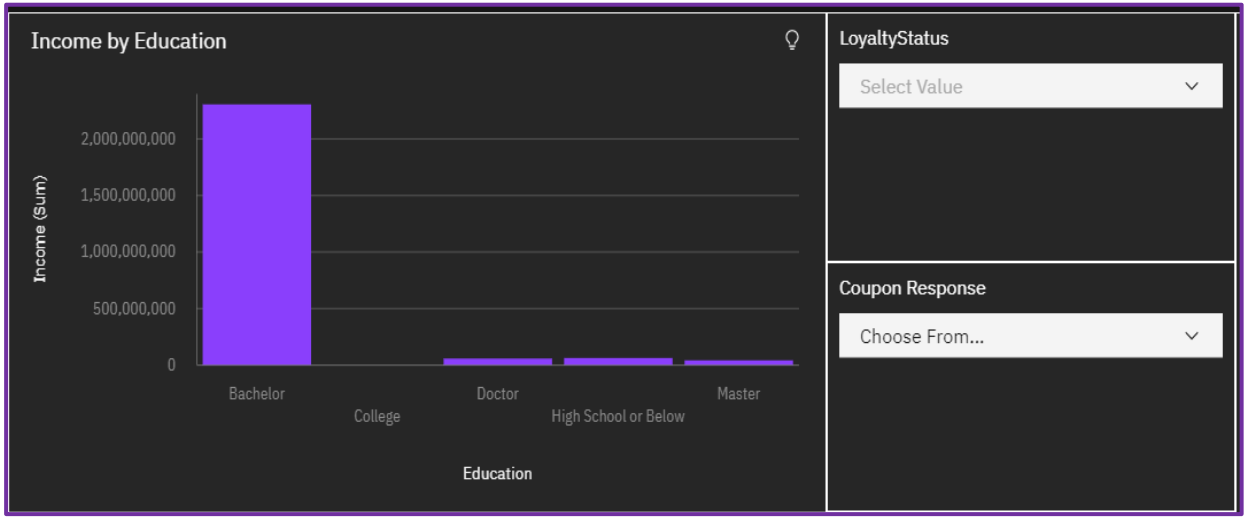


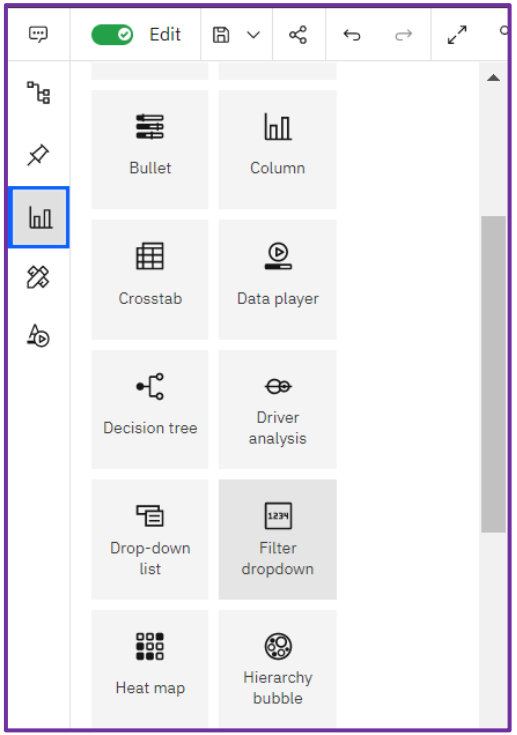




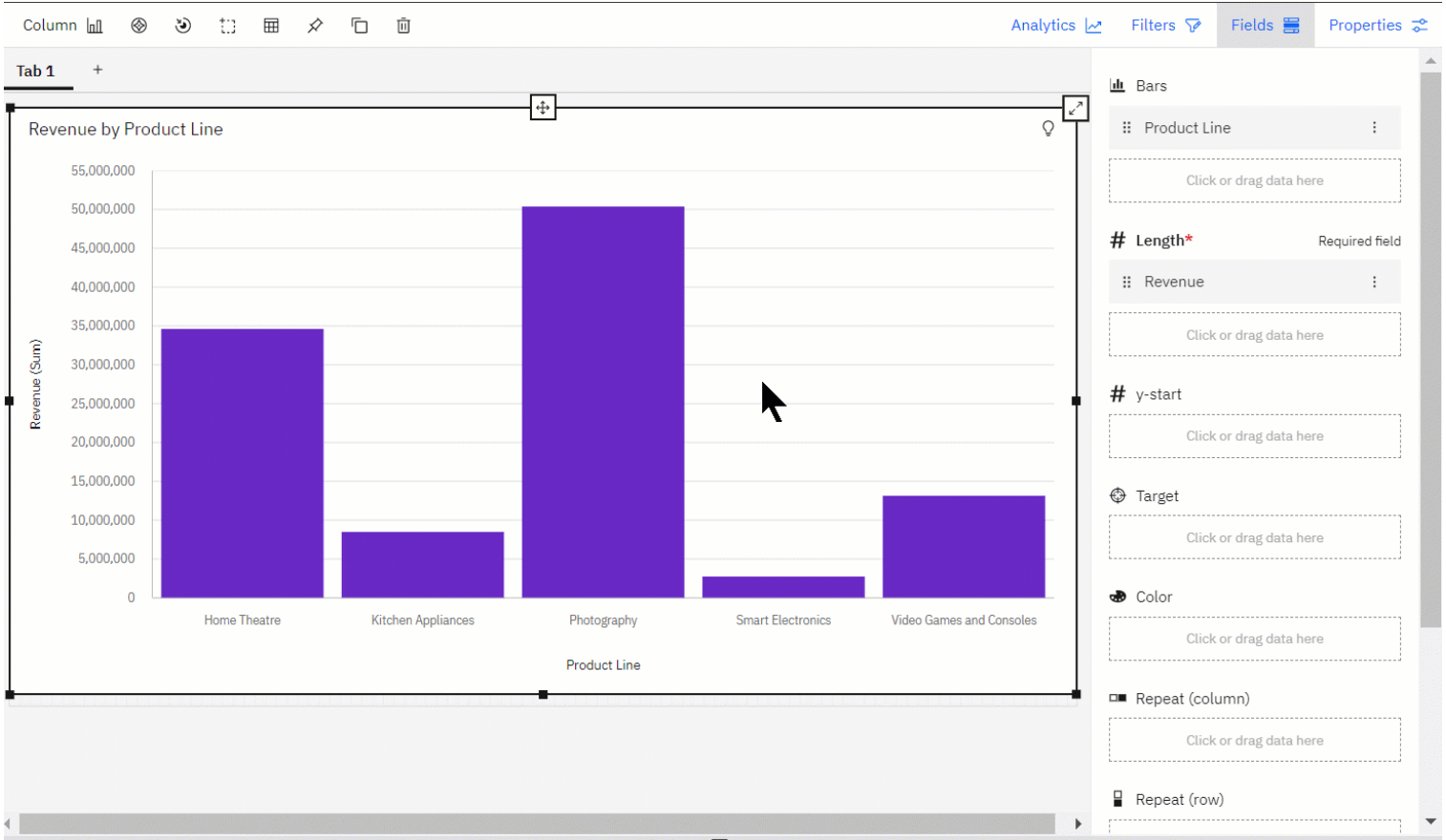
Improve dashboard usability with on-canvas filter dropdowns
Customize Helper Text, Title, Selection (Single / Multiple), Refresh pattern
Do not cascade in 11.2.3







Add additional Data to your visualizations using metadata
Adds additional context to interactive analysis



Enable Zoom bar within a certain visualizations to improve usability

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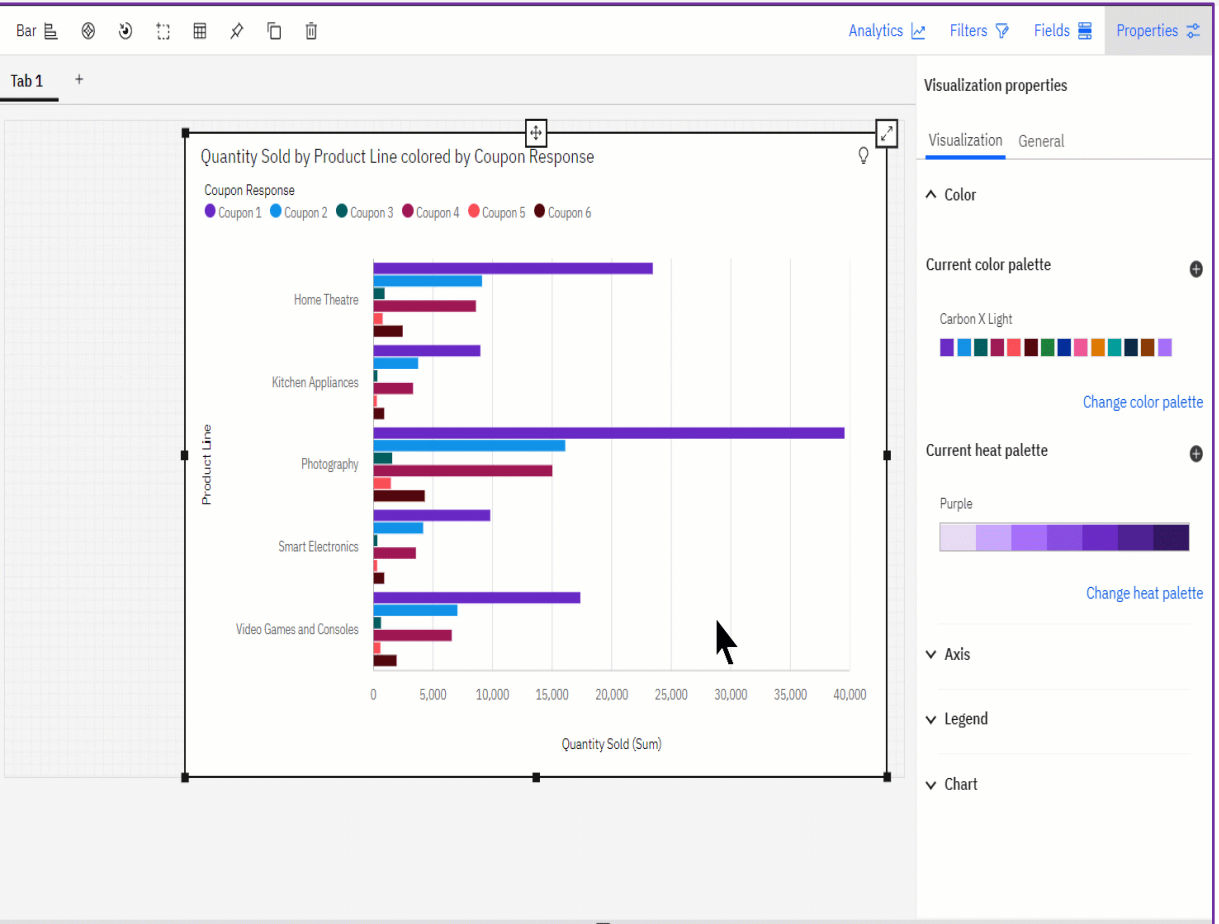
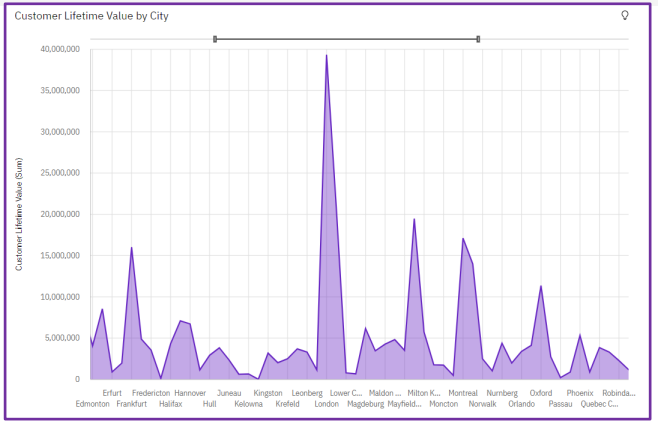
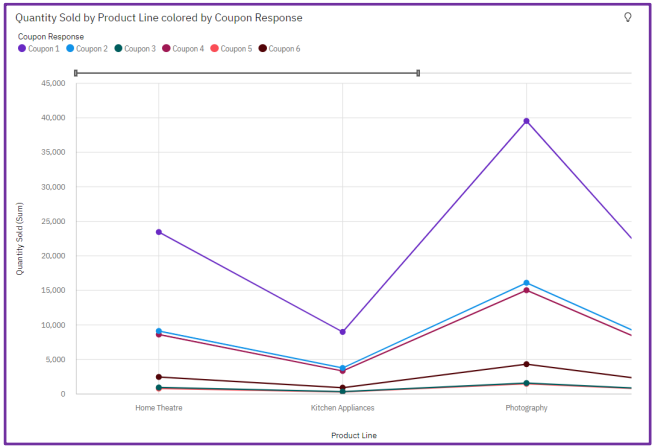
Accurately control vertical/horizontal zoom
Available for Bar, Area and Line Chart in 11.2.3







Extend package capabilities to Dashboard

New capabilities added to control Package-level permissions in dashboards:

1. CanUseDashboard
2. CanUseExplore

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Rachel Su

Reporting, Legacy Studios, Accessibility

Reporting enhancements

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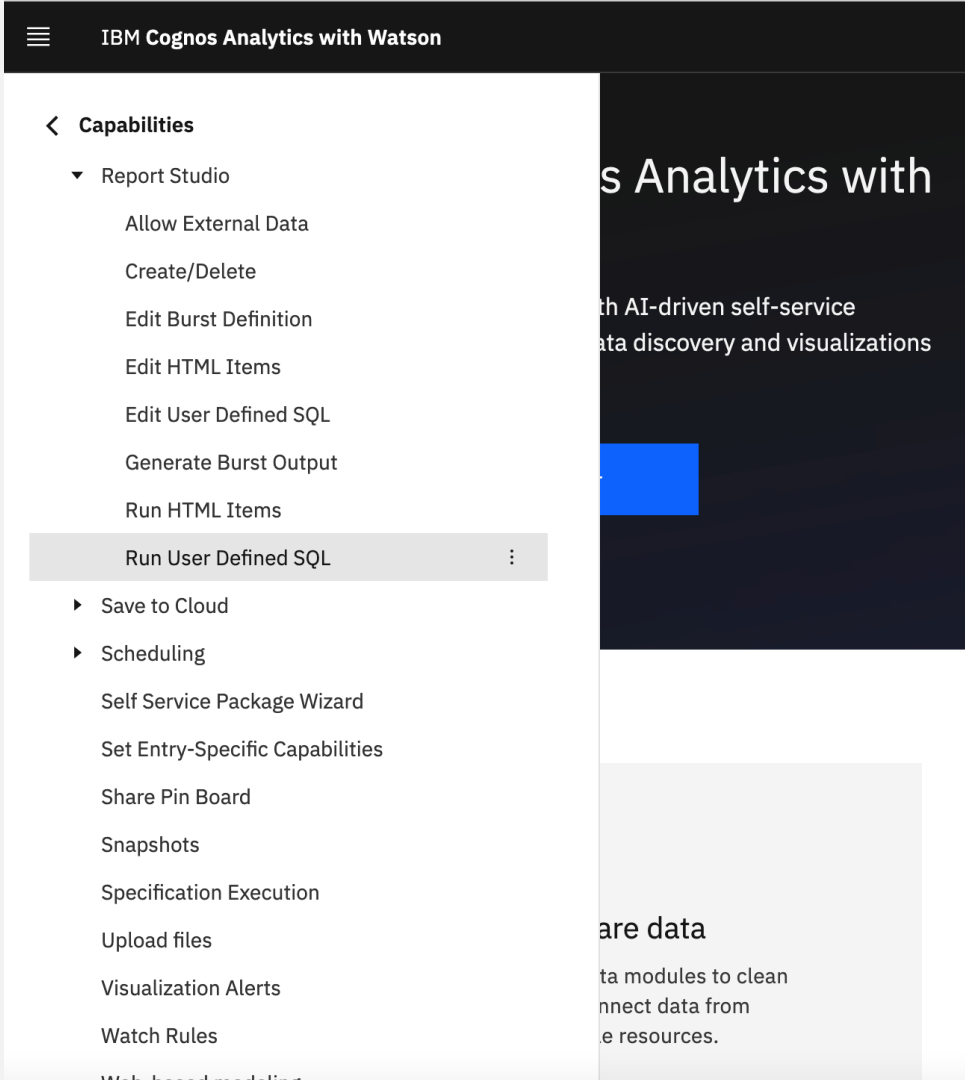
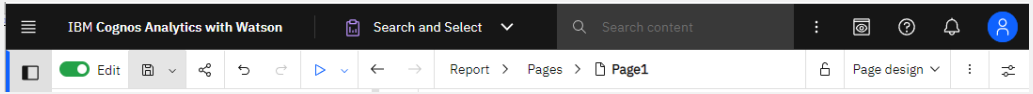
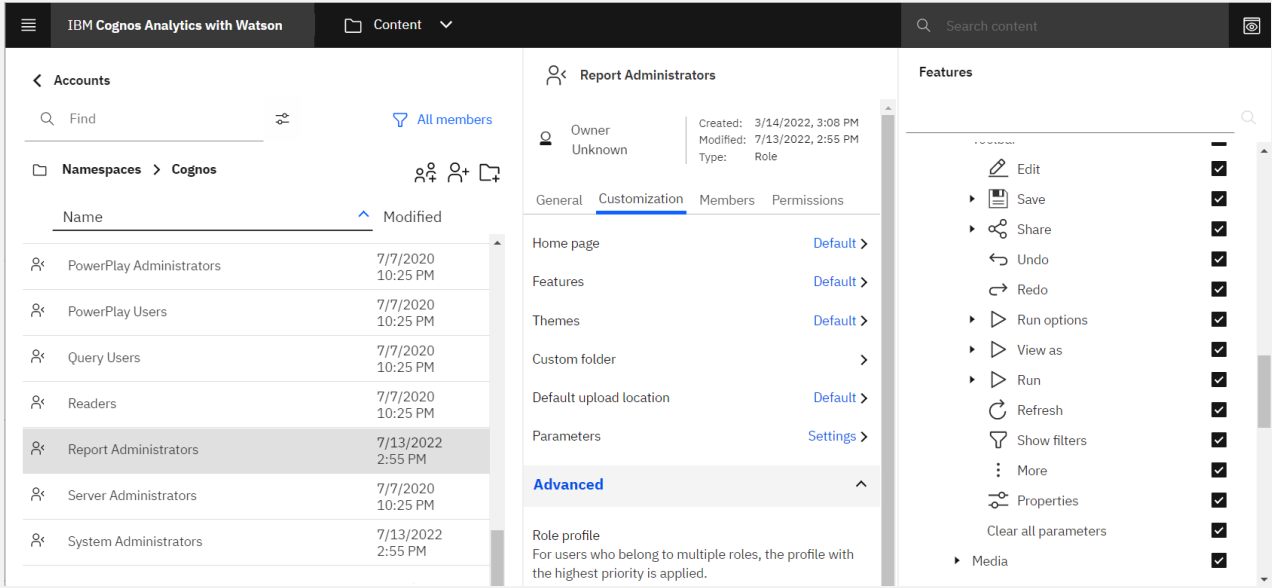
Separate capabilities for can edit/create vs can run user defined SQL, HTML items and Burst



Two new lensing options

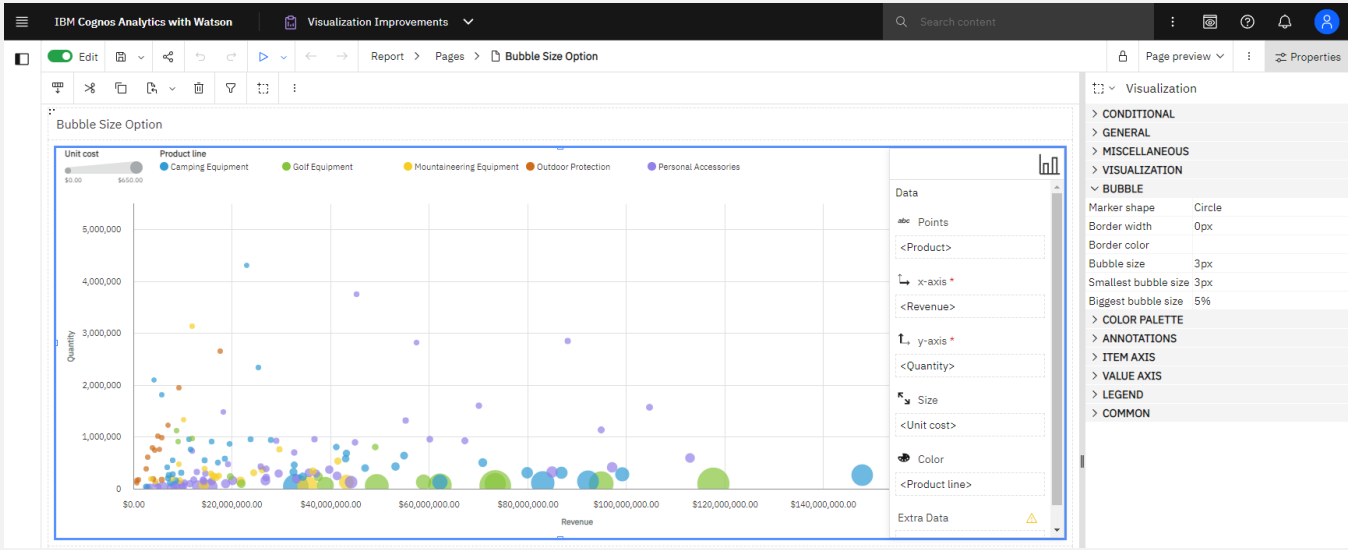
- More
- Properties





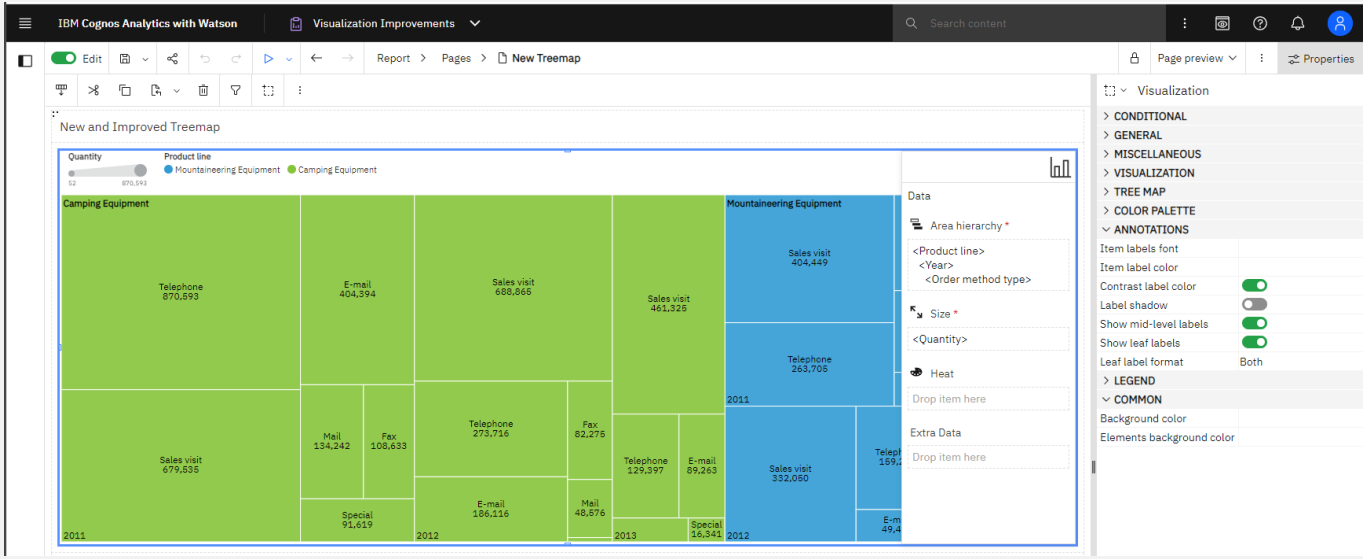
Added bubble size support

Options:
- Bubble size
- Smallest bubble size
- Biggest bubble size



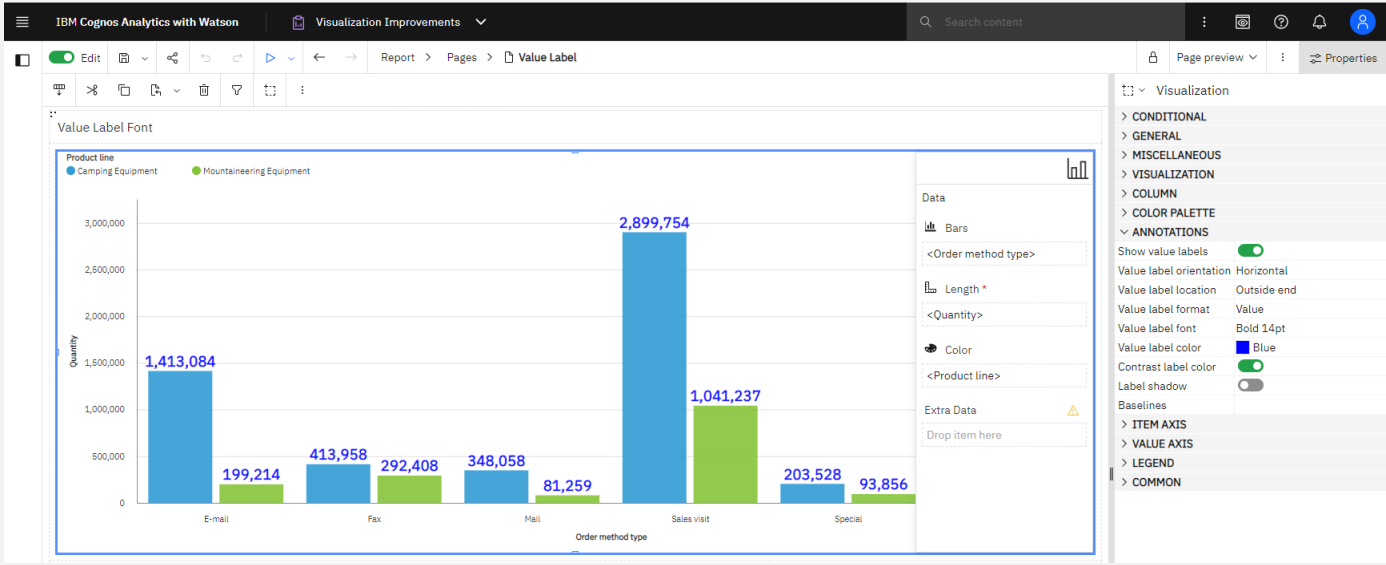
Improved Treemap visualization

- Leaf label format
- “Show intermediate labels” and “Show leaf labels”



Improvements to value labels

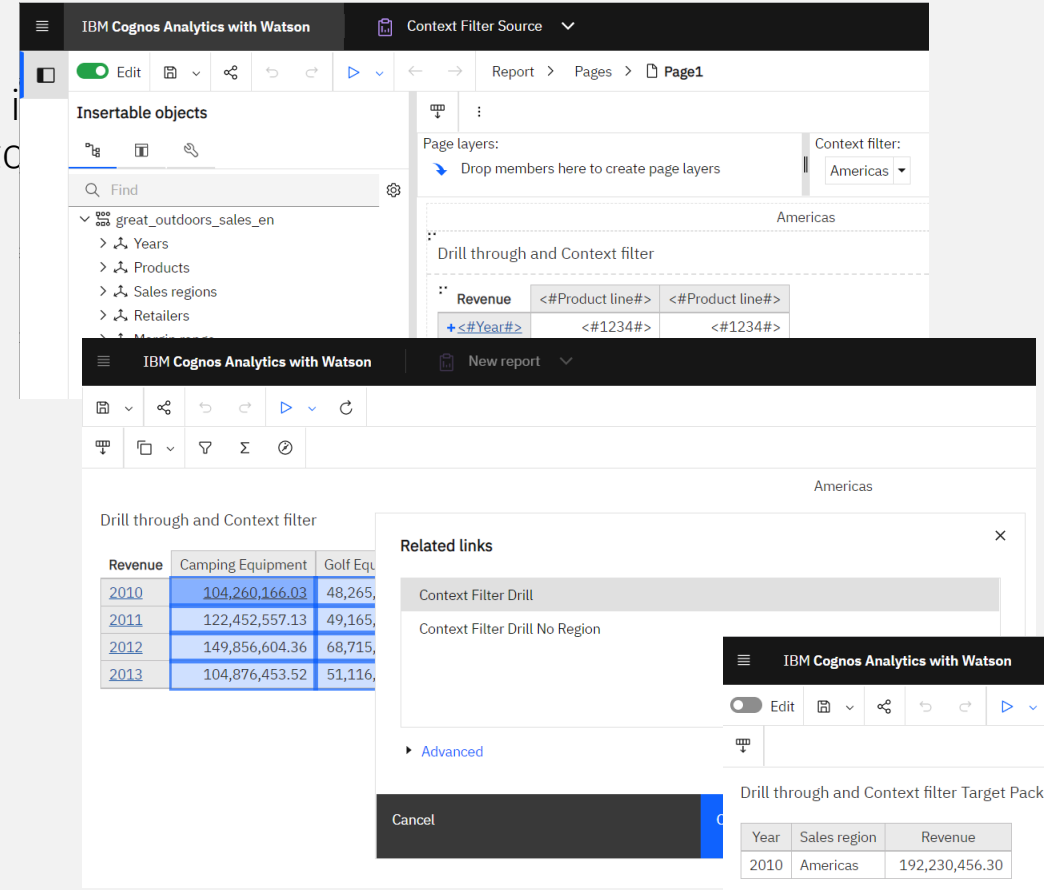
- Font
- Color



Drill-through using context filter

When performing drill through from Reporting to Reporting, values included i context filter are automatically passed to the target report as a filter value.

Note:
Works only with package drills



Capture source reports for report views in Audit DB

New table: AUDIT.DBO.COGIPF_OBJECT_INFO

```
Select
    [COGIPF_OBJECT_NAME],
    [COGIPF_BASE_OBJECT_NAME],
    [COGIPF_BASE_OBJECT_PATH]
from
[AUDIT.DBO.COGIPF_OBJECT_INFO]
```

COGIPF_OBJECT_NAME	COGIPF_BASE_OBJECT_NAME	COGIPF_BASE_OBJECT_PATH
Main Report		
Report view of Main Report	Main Report	/folder[@name='My Folders']/folder[@name='New 11.2.3']/reportView[@name='Main Report']

Greg McDonald

CPD, Admin, Security, Content Manager

Platform enhancements

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Activities

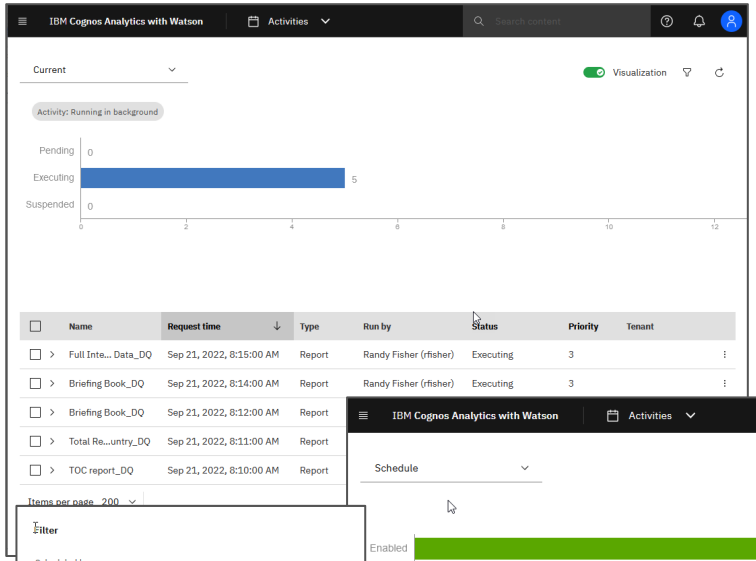
Full perspective
Applies to Activities and My Schedules and Activities

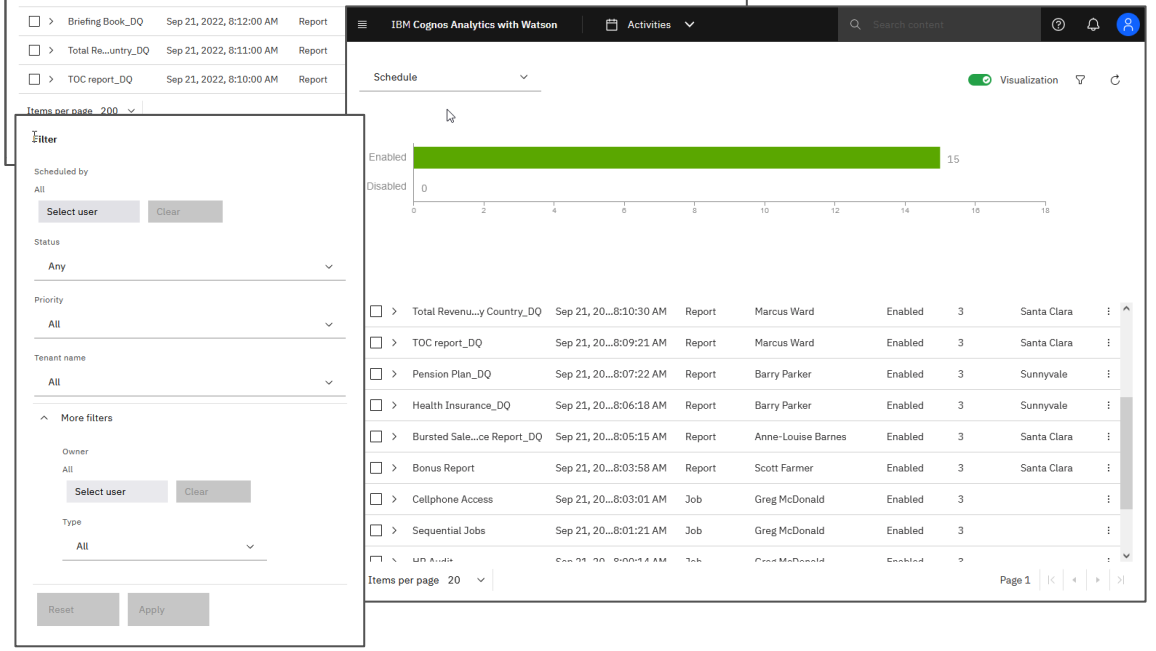
Completely re-vamped UI
- Pagination
- Filtering front and center
- Filtering (by scope)

Context menu actions consistent with Admin console

Control visualization display

Added refresh



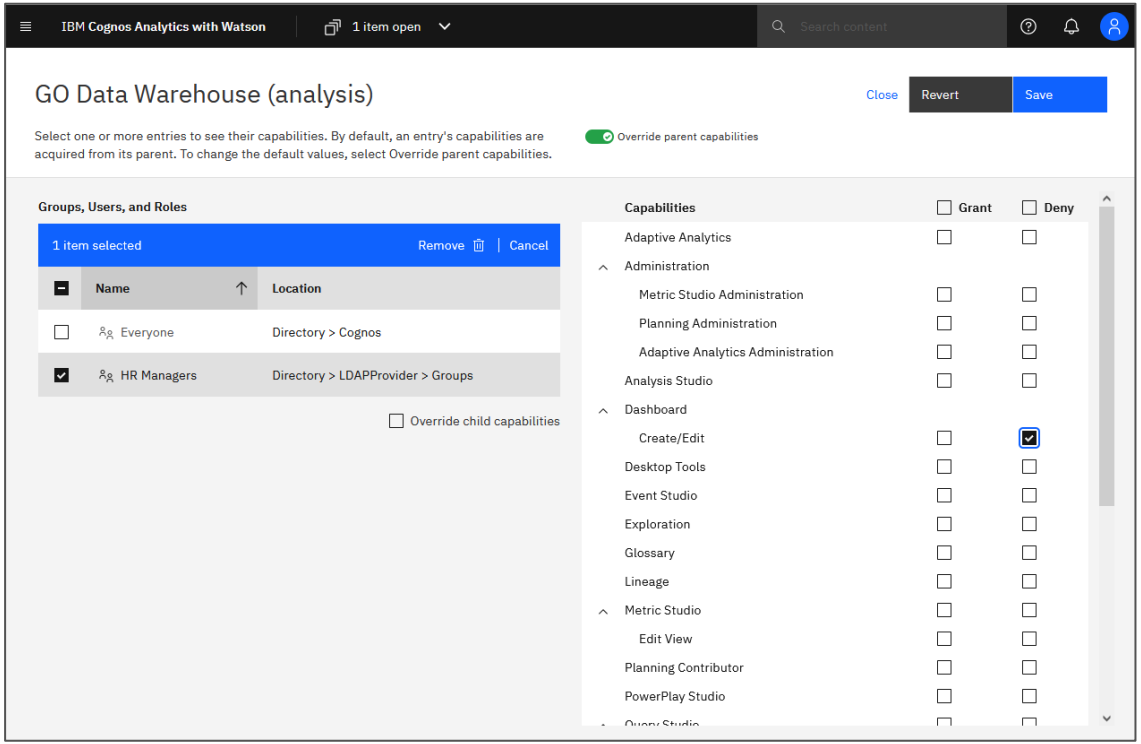


Security - Packages

Secured Capabilities continue to be extended for a robust security model

NEW : Dashboards

Coming Soon:
- Data Modules
- Datasets



Sayeed Mahmood

IBM Cognos Cloud Hosted, IBM Cognos on-Demand

Cognos on Cloud enhancements

© 2022 IBM Corporation

Rachel Su

Reporting, Legacy Studios, Accessibility

Conformance Update

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New conformance points added for Operating System support and Content Store support

- OS Conformance Support for SLES 15
- OS Conformance Support for Win Server 2022
- Content Store Conformance Support for Oracle 19.10

Deprecation Notice

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IBM Cognos Analytics with Watson 11.2.3 no longer works with the following products or product versions. These products are either deprecated or no longer supported.

- Windows 8 and 8.1
- Microsoft Internet Information Services (IIS) 7.5
- IBM InfoSphere Information Server 11.3 and 11.5
- Microsoft .NET Framework 4.0
- IBM Connections
- Mozilla Firefox ESR 68 and ESR 78
- Adobe Reader XI and DC
- FileNet Content Manager 5.2

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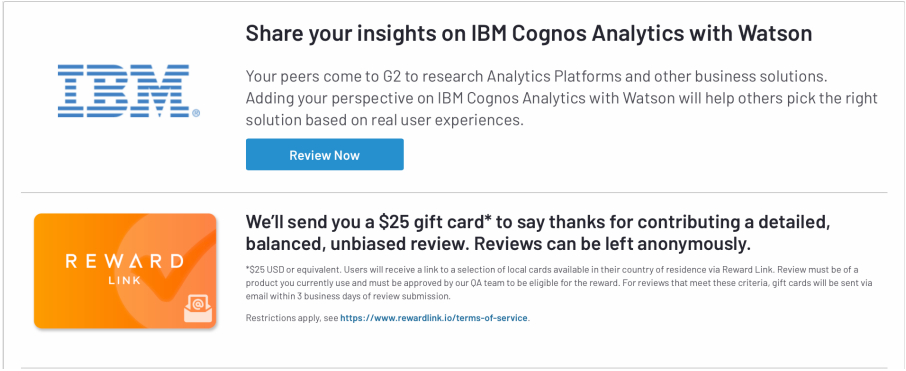

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