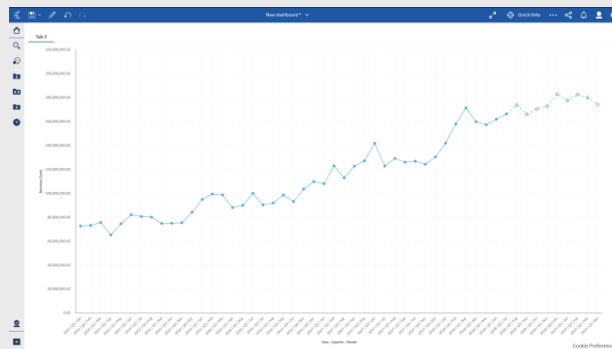
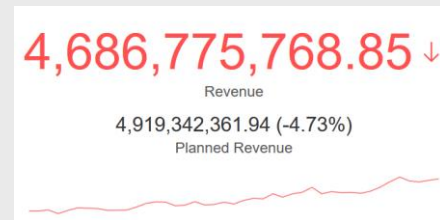
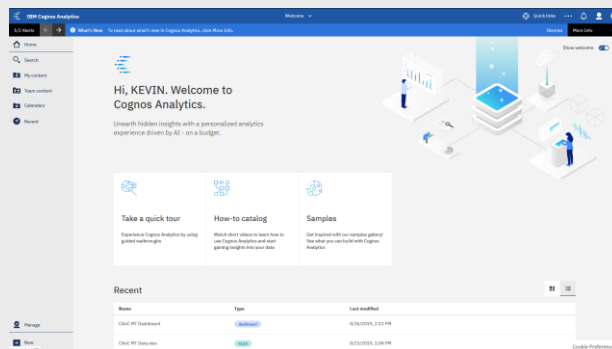


## 11.1.4 Overview



# What's new in 11.1.4

- New Welcome section on the Home page
- Waterfall visualization available
- Forecasting in line/column visualization
- KPI widget (compare 2 measures)
- Zero suppression for OLAP sources in crosstabs/tables
- Supporting custom visualizations (D3, Highcharts, iCharts etc)
- Updated crosstab (resize column/row, hide, search)
- Compact legends on visualization
- Jupyter Notebooks output in reports
- Weather Company data source



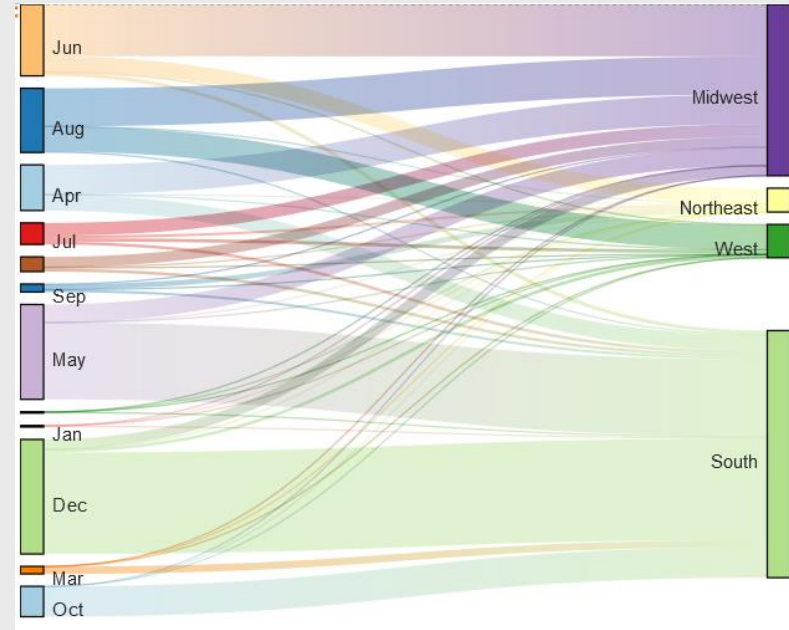
Task 1										
Measure	Q1					Q2				
	Q1	Q2	Q3	Q4	Sum	Q1	Q2	Q3	Q4	Sum
Counting Data	15,173,514.83	14,975,037.40	15,070,250.00	14,895,070.00	60,103,864.23	15,094,070.00	14,982,000.00	15,070,250.00	14,895,070.00	60,041,390.00
Revenue	7,944,494.40	7,944,494.40	7,944,494.40	7,944,494.40	31,577,977.60	7,944,494.40	7,944,494.40	7,944,494.40	7,944,494.40	31,577,977.60
Profit	17,014,774.40	17,014,774.40	17,014,774.40	17,014,774.40	68,058,997.60	17,014,774.40	17,014,774.40	17,014,774.40	17,014,774.40	68,058,997.60
Usage/Usage	26,044,344.00	26,044,344.00	26,044,344.00	26,044,344.00	104,177,376.00	26,044,344.00	26,044,344.00	26,044,344.00	26,044,344.00	104,177,376.00
Summary	60,103,864.23	60,041,390.00	60,103,864.23	60,041,390.00	240,290,508.46	60,103,864.23	60,041,390.00	60,103,864.23	60,041,390.00	240,290,508.46
Cost of Sales	Cost of Sales	Cost of Sales	Cost of Sales	Cost of Sales	Cost of Sales	Cost of Sales	Cost of Sales	Cost of Sales	Cost of Sales	Cost of Sales
	2,915,151.51	2,915,151.51	2,915,151.51	2,915,151.51	11,660,565.04	2,915,151.51	2,915,151.51	2,915,151.51	2,915,151.51	11,660,565.04
	15,173,514.83	14,975,037.40	15,070,250.00	14,895,070.00	60,103,864.23	15,094,070.00	14,982,000.00	15,070,250.00	14,895,070.00	60,041,390.00
	7,944,494.40	7,944,494.40	7,944,494.40	7,944,494.40	31,577,977.60	7,944,494.40	7,944,494.40	7,944,494.40	7,944,494.40	31,577,977.60
	17,014,774.40	17,014,774.40	17,014,774.40	17,014,774.40	68,058,997.60	17,014,774.40	17,014,774.40	17,014,774.40	17,014,774.40	68,058,997.60
Miscellaneous	Usage/Usage	Usage/Usage	Usage/Usage	Usage/Usage	Usage/Usage	Usage/Usage	Usage/Usage	Usage/Usage	Usage/Usage	Usage/Usage
	26,044,344.00	26,044,344.00	26,044,344.00	26,044,344.00	104,177,376.00	26,044,344.00	26,044,344.00	26,044,344.00	26,044,344.00	104,177,376.00
	15,173,514.83	14,975,037.40	15,070,250.00	14,895,070.00	60,103,864.23	15,094,070.00	14,982,000.00	15,070,250.00	14,895,070.00	60,041,390.00
	7,944,494.40	7,944,494.40	7,944,494.40	7,944,494.40	31,577,977.60	7,944,494.40	7,944,494.40	7,944,494.40	7,944,494.40	31,577,977.60
	17,014,774.40	17,014,774.40	17,014,774.40	17,014,774.40	68,058,997.60	17,014,774.40	17,014,774.40	17,014,774.40	17,014,774.40	68,058,997.60
Financial Results	Revenue	Revenue	Revenue	Revenue	Revenue	Revenue	Revenue	Revenue	Revenue	Revenue
	7,944,494.40	7,944,494.40	7,944,494.40	7,944,494.40	31,577,977.60	7,944,494.40	7,944,494.40	7,944,494.40	7,944,494.40	31,577,977.60
	15,173,514.83	14,975,037.40	15,070,250.00	14,895,070.00	60,103,864.23	15,094,070.00	14,982,000.00	15,070,250.00	14,895,070.00	60,041,390.00
	2,915,151.51	2,915,151.51	2,915,151.51	2,915,151.51	11,660,565.04	2,915,151.51	2,915,151.51	2,915,151.51	2,915,151.51	11,660,565.04
	17,014,774.40	17,014,774.40	17,014,774.40	17,014,774.40	68,058,997.60	17,014,774.40	17,014,774.40	17,014,774.40	17,014,774.40	68,058,997.60

# Reporting



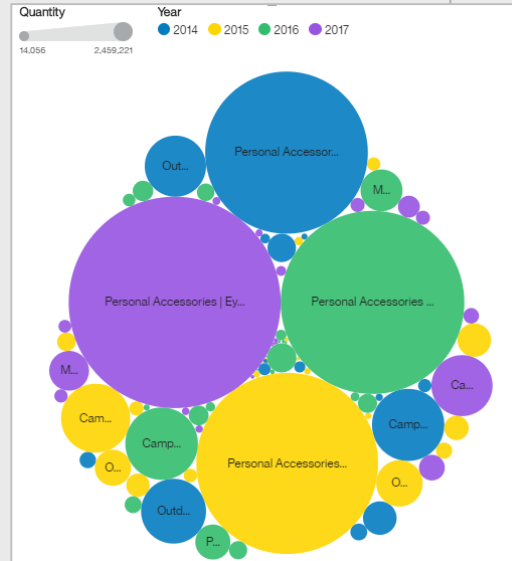
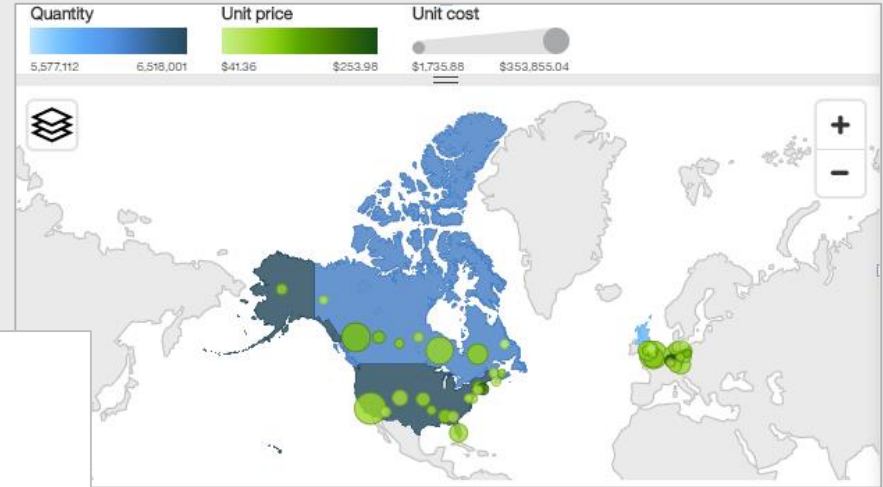
# Supporting custom visualizations (D3, Highcharts, etc)

- Custom visualizations can be uploaded directly from Reporting and dashboarding for reuse.
- Developers can preview and test custom visualizations live within Cognos Analytics before uploading.
- Administrators can set permission on custom visualizations for access control.
- Additional properties can be included as part of the custom visualization



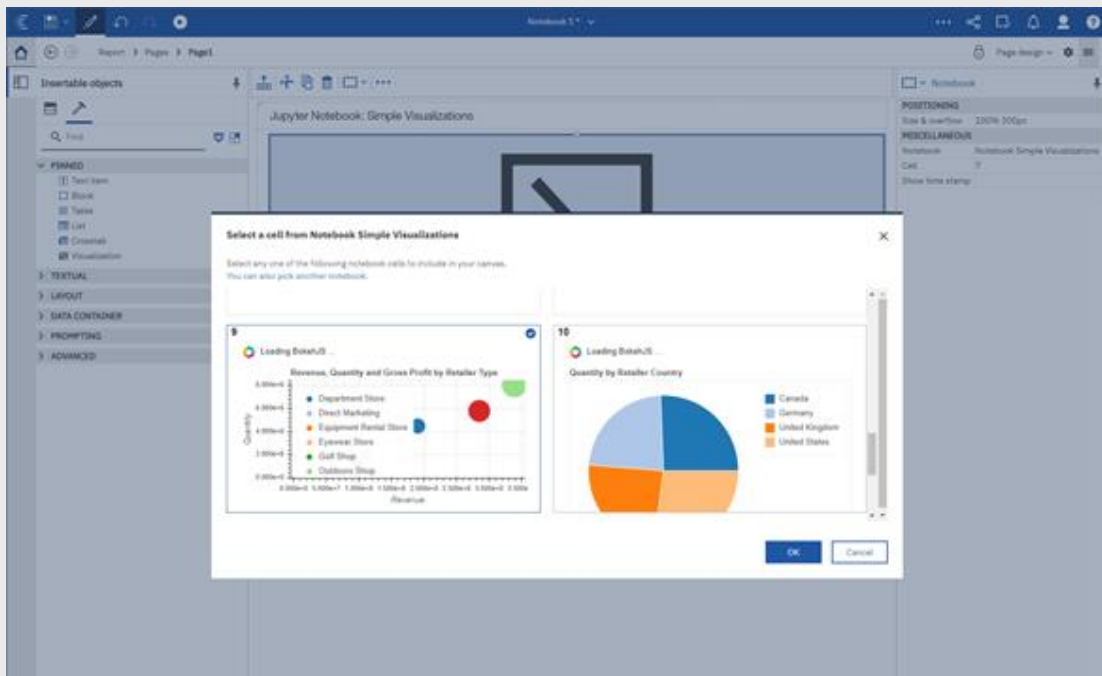
# Compact legends on visualizations

- Legends are top positioned by default.
- More compact design.
- Users can change legend section height directly on the visualizations by using the gripper.



# Jupyter Notebook integration with Reporting

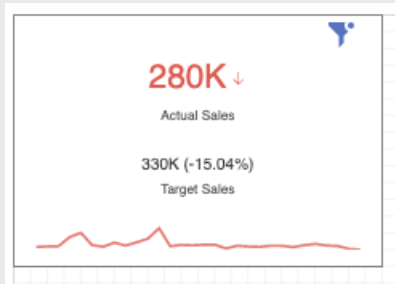
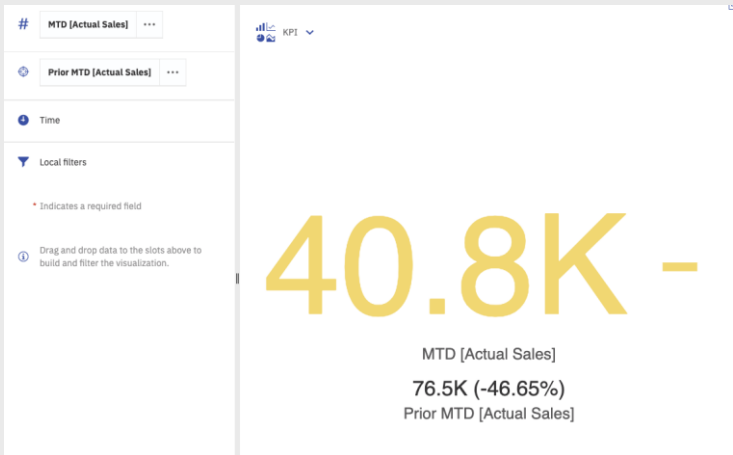
- Jupyter Notebook cells can be included as part of the report output.
- For saved report outputs, Notebook cells will always show the latest refresh results.





# KPI Visualization





- 3 Data Slots - KPI Measure, Comparative/Target Measure and Time
  - The time slot is an optional field and can be used to generate the spark line
  - The target measure can be taken from the data, a calculation or a manual value found in the properties
- Up to 3 “steps” to measure performance against a target
- Built-in indicator shape selection



**Set range**

Scale


Number of ranges


**Selected range**    

Min 50 100 Max

Start value

End value

Text color  

Indicator shape  

**Chart**

Text alignment

**Base value**

Show label ☒

Label title

**Target value**

Manual value

Show value ☒

Show distance ☒

Show label ☒



# Crosstab Enhancements

- New crosstab design layout

## Selection formatting

Font family	Font size	<b>B</b>	<i>I</i>	<u>U</u>							Summary
Home Theatre	7,007,579	7,489,414	9,300,510	10,815,356							34,612,859
Kitchen Appla...	1,734,740	1,860,920	2,339,944	2,544,121							8,479,725
Photography	10,744,011	10,130,252	13,521,330	15,971,828							50,367,421
Smart Electroni...	575,634	552,444	749,990	861,669							2,739,737
Video Games a...	2,674,787	2,695,618	3,584,168	4,178,191							13,132,764
<b>Summary</b>	<b>22,736,751</b>	<b>22,728,648</b>	<b>29,495,942</b>	<b>34,371,165</b>							<b>109,332,506</b>

## Resize column/row width and height & word wrap

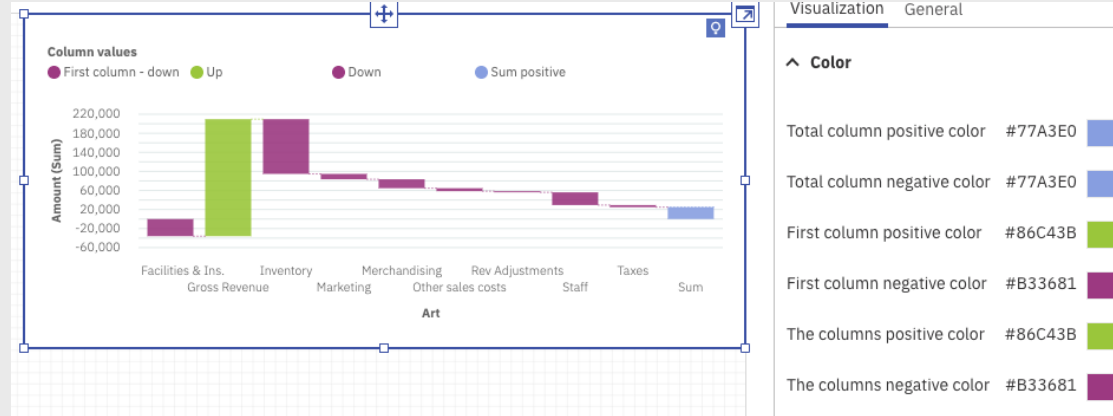
## Drop Zones for nesting/replacing rows and columns

2015	2016	2017	2018	Summary
Home Theatre	7,007,579	7,489,414	9,300,510	10,815,356
Kitchen Appla...	1,734,740	1,860,920	2,339,944	2,544,121
Photography	10,744,011	10,130,252	13,521,330	15,971,828
Smart Electroni...	575,634	552,444	749,990	861,669
Video Games a...	2,674,787	2,695,618	3,584,168	4,178,191
<b>Summary</b>	<b>22,736,751</b>	<b>22,728,648</b>	<b>29,495,942</b>	<b>34,371,165</b>

Revenue	2015	2016	2017	2018	Summary
Home Theatre	7,007,579	7,489,414	9,300,510	###	34,612,859
Kitchen Appla...	1,734,740	1,860,920	2,339,944	###	8,479,725
Photography	10,744,011	10,130,252	13,521,330	###	50,367,421
Smart Electroni...	575,634	552,444	749,990	###	2,739,737
Video Games a...	2,674,787	2,695,618	3,584,168	###	13,132,764
<b>Summary</b>	<b>22,736,751</b>	<b>22,728,648</b>	<b>29,495,942</b>	<b>###</b>	<b>109,332,506</b>

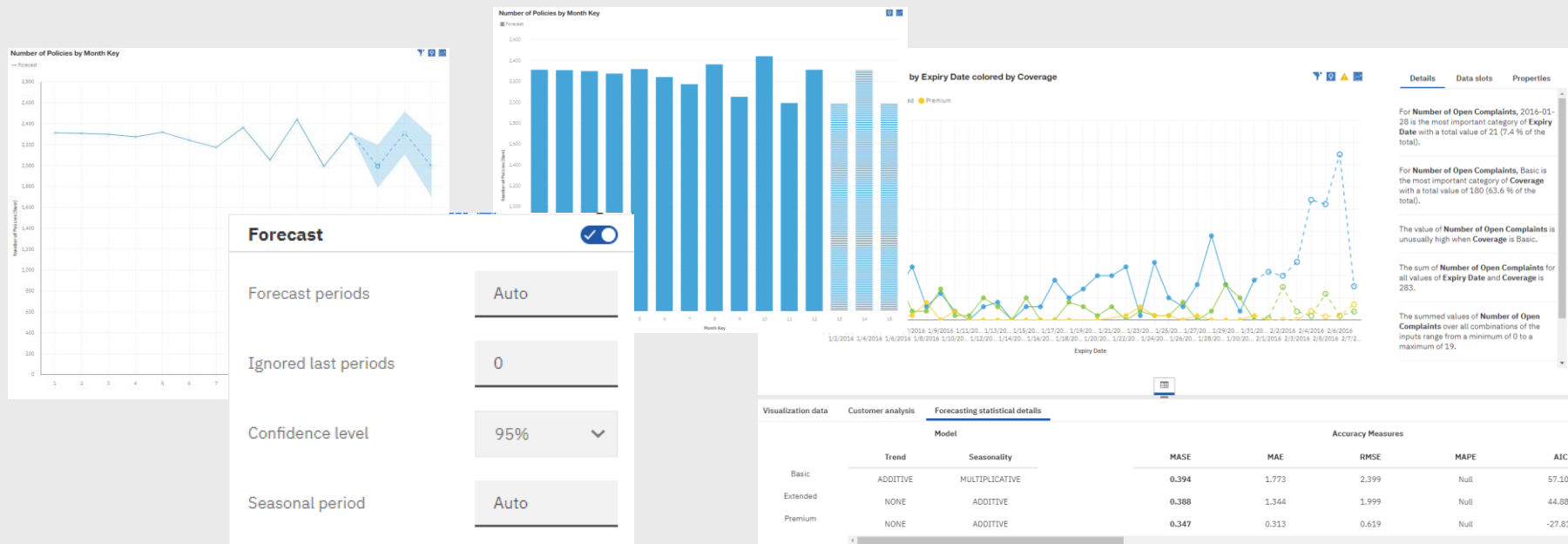
# Waterfall Visualization

- Depict positive and negative values within the same visualization



# Time Series Forecasting

- Option to display forecasted values in line, column or bar visualizations with time data
- Available in dashboards, stories, and explorations
- Automatic detection of seasonality and exponential smoothing model with best fit



# Explore




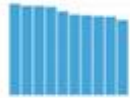
# Compare Card

- Suggestions for creating a comparison
- Improved interaction with Compare line
- Comparisons across more aggregation methods – average, counts

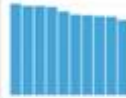
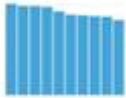
New card ^ 4/4 Column Related Compare ✕ ☰ ☹

### How do you want to compare?

Select a card to create a comparison. The new compare card will be added to your card list.



Add ➕

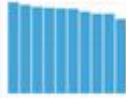
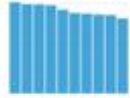


Add ➕

### Recommended comparison based on the current change

Because you used filters

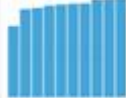
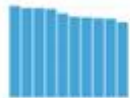
Invert filter on Conference



Add ➕

Because you were using top or bottom

Compare with Bottom 10 on Team Points



Add ➕

# Relationship Diagram

- Choices up front to help users orient themselves to the information
- Suggested visualizations presented immediately
- Edit scope, like edit drivers (Edit drivers also has updated UI)

## Where do you want to start?

Every exploration includes a starting card.

Start with any column in 'NHL Module'. You can always change it later.

Enter data column. Not sure? Try Powerplay %, Points

Try starting with one of these...

Powerplay %	Points	Point %	
Shooting %	Team Points	Assists	Even
GWG	Shots	Blocks	A1
Even Strength Goals	Goals	Hits	
Point Shares	Powerplay Assists	Powerplay Goals	+/-

### Edit scope

Drag items from the left to be considered in the relationship chart.

#### Available

Find

- > Team stats
- > Division
- > Player Stats
- > Draft Info

#### Selected

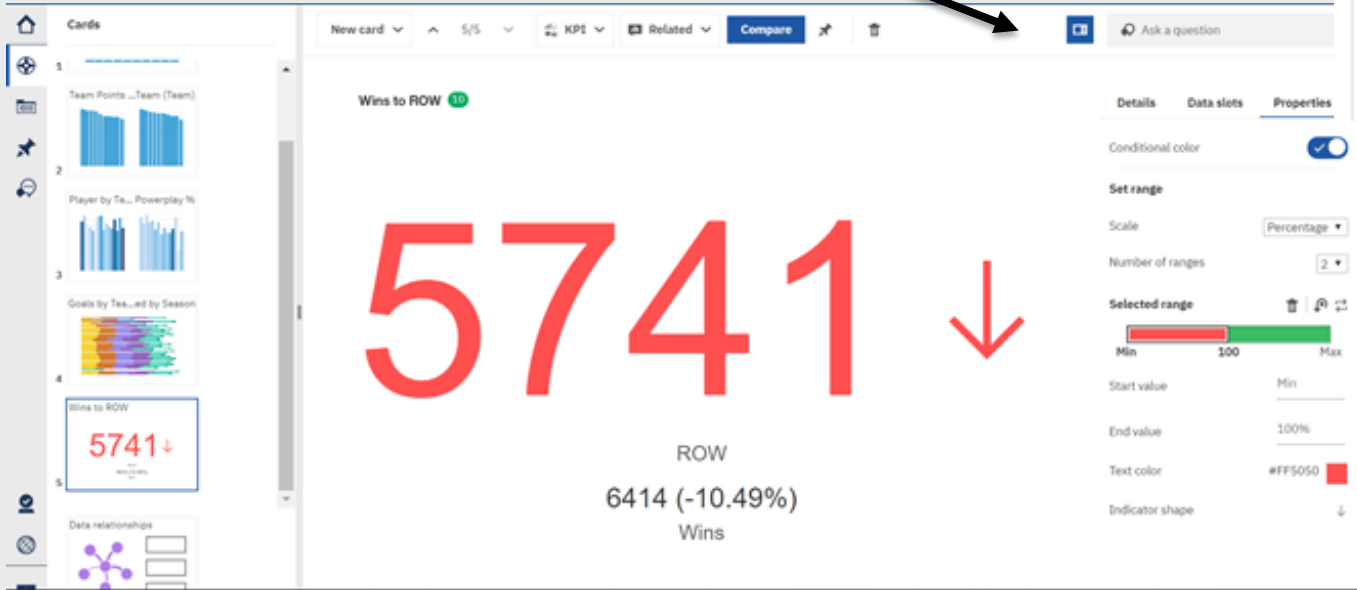
\*Recommended items [Reset](#)

- Losses \*  
Team stats
- Season \*  
Team stats
- Birth Year \*  
Draft Info
- Draft Year \*  
Draft Info
- Age \*  
Player Stats
- Point % \*  
Team stats
- Penalty Kill % \*  
Team stats
- Team Faceoff Win % \*  
Team stats

29 out of a maximum 100 selected [Clear all](#)

# Other

- Clarify ambiguous fields
- Properties on visualizations



Show by ...

Q player|

All columns

Player Stats

abc Player

Draft Info

abc Player





- Improved Joins

## Support for 'Between'

non-equi joins

Operators:

[<, >, <=, >=]

now supported

Edit relationship

Table 1: employee-record dates.xlsx

Table 2: SLS\_SALES\_FACT.csv

Find

- Row Id
- Country Key
- Country Code
- Flag Image
- Iso Three Letter Code

Find

- DateStr
- Day
- month
- Year
- OrdDate

Match selected columns

Manager Code 4	Manager Mb 4	Manager Code 5	record start date key	Record end date key	DateStr	Day	mon
			ORDER_DAY_KEY	OrdDate			
10576	井森 源蔵	10087	20090109	20190627	2010-01-12	12	00
10576	井森 源蔵	10087	20070912				00
10652	田中 三郎	10551	20080613				00
10366	Dale Thomas	10366	20030812				00

Defined matches

- record start date key <= ORDER\_DAY\_KEY
- Record end date key >= OrdDate

Inner join, 1-to-many, No filtering.

Matched columns

OK Cancel

- Simplified Data Group creation

## Change from Numeric to Text style

In cases where groups need to be specific values

Create a data group (numeric style)

Name

Days (Group)

Group names

Groups

5

↑

↓

Range border values

Higher

20 and above

20

15 to < 20

15

10 to < 15

10

5 to < 10

5

less than 5

Lower

☐ Group NULL values as

Create a data group (text style)

Create

Cancel

Create a data group (text style)

Name

Days (Group)

Remaining items in column

Find

0

1

10

11

12

13

→

Groups

New group

0 of 0 selected

Group items

Select a single group to view its items

Clear

Invert

0 of 0 selected

☐ Group remaining and future items in

☐ Replace the existing column 'Days'

Create a data group (numeric style)

Create

Cancel

# IBM Weather Company Data

- Live data connectivity to IBM Weather Company's **History on Demand** and **Enhanced Forecast** API packages
- Blend weather data with your corporate data

The screenshot shows the IBM Cognos Analytics interface. The top navigation bar includes the IBM Cognos Analytics logo and a 'Welcome' dropdown. The main content area is titled 'Data server connections' and features a table of existing connections and a 'Select a type' sidebar. A red arrow points to the 'IBM Weather Company' entry in the sidebar.

Name	Modified
Audit	7/11/2018 10:35 PM
BRS - Comercial	3/14/2019 10:35 AM
Bluemix DB2 GoSales -RO	7/31/2018 1:43 PM
Credit Risk	9/13/2018 3:06 PM
DASHDB_STP	8/9/2018 9:04 PM
DB2WC_MF	10/2/2018 9:03 AM
	9/24/2018

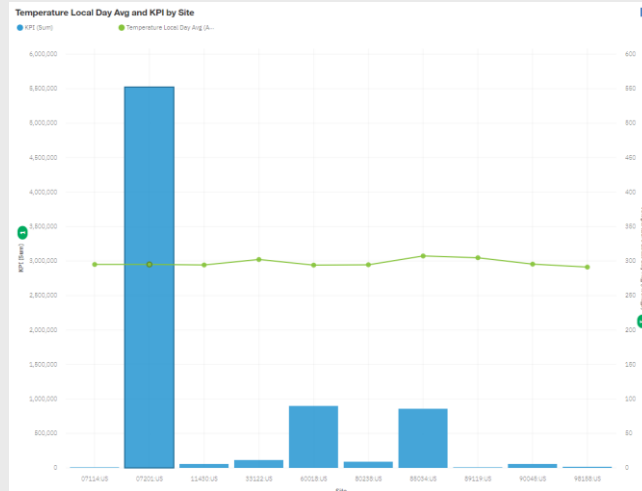
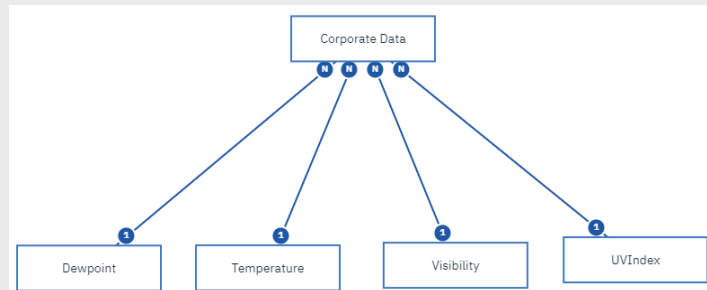
**Select a type**

- IBM DB2 warehouse
- IBM Informix Dynamic Server
- IBM Netezza
- IBM Planning Analytics
- IBM Weather Company**
- MariaDB
- Microsoft Analysis Services
- Microsoft SQL Server
- MongoDB Connector for BI
- MySQL

Analytics.

Sales

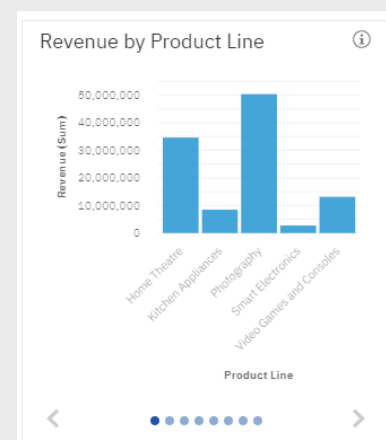
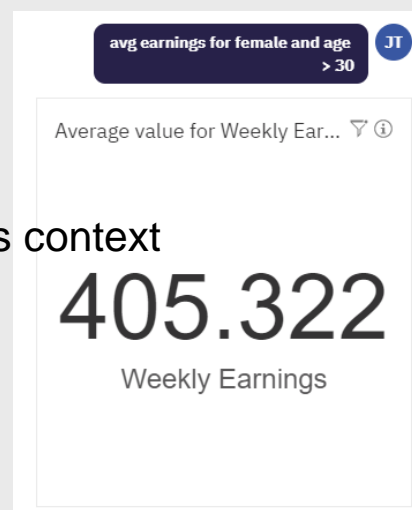
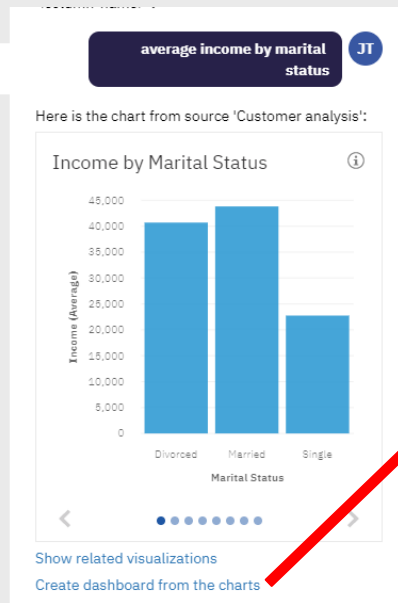
last modified 9/16/2019, 10:34 AM





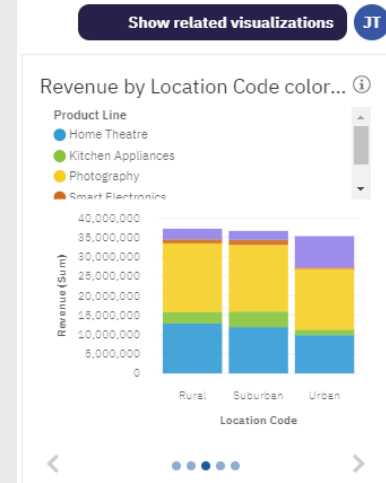
# AI Assistant Enhancements

- Generate a dashboard using a suggested chart as context
- Improved filter support
- Smarter related visualization recommendations



Show related visualizations

Create dashboard from the charts

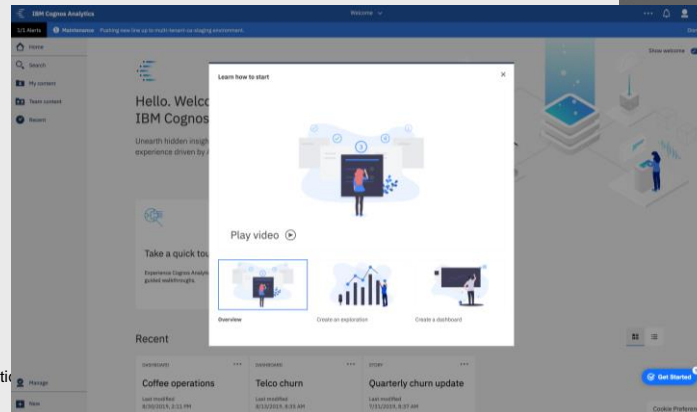
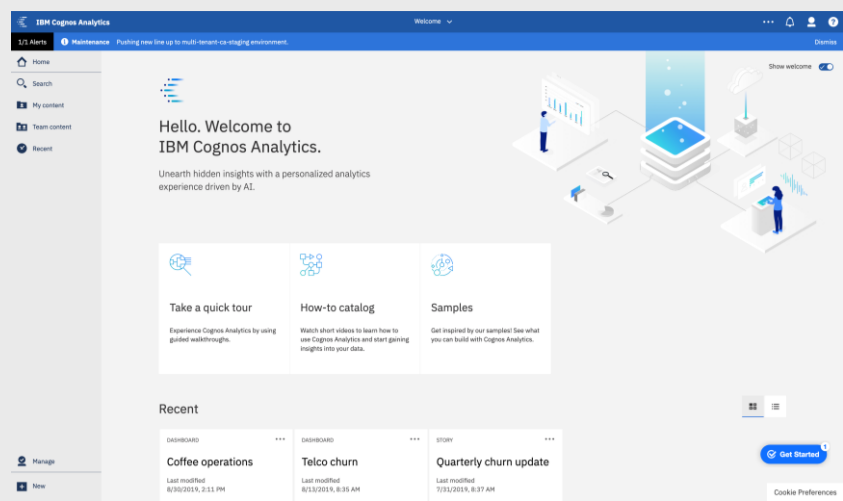


Show related visualizations

Create dashboard from the charts



- Easy to access resources for new users
- Step-by-step guided tours (with AppCues)
- How-to catalog with new professionally made videos
- Quick access to the Samples



# Pricing and Licensing





- New Analytics Viewer License

Existing Information Distribution License will be renamed to Analytics Viewer

Added functionality users will now be able to run dashboards

You will need to give these users run access of the dashboards they will need to access

There are no changes to the existing reporting capabilities they will still need an Analytics User license to run prompted reports

The screenshot displays the 'Licenses' management page in the IBM Analytics Viewer console. At the top, there are radio buttons for 'Production' (selected) and 'Non-production'. Below this is a section titled 'Global license usage' with explanatory text: 'Used licenses represent the number of users that have accessed the product. You can set the number of owned licenses and view the license usage by user.'

Licenses	Used	Owned
Analytics Administrator	2	2
Analytics Explorer	0	0
Analytics User	0	0
Analytics Viewer	0	0
Total (global licenses)	2	2

Below the table, there is a 'Dashboard' section with a lock icon and the text 'Owner Unknown'. To the right, a metadata box shows 'Created: 2019-09-11, 2:23 PM' and 'Modified: 2019-09-11, 2:23 PM' with a 'Type: Capability' label. The 'Access' tab is active, showing a table of 'Users, Groups and Roles' with their assigned permissions. The permissions are 'Access' for Analytics Explorers, Analytics Users, and Analytics Viewer, and 'Assign' for Directory Administrators.

Users, Groups and Roles	Permissions
Analytics Explorers	Access
Analytics Users	Access
Analytics Viewer	Access
Directory Administrators	Assign

# Useful links

Main Cognos Analytics page + Free Trial

- <http://www.ibm.biz/cognosanalytics>

Community:

- <https://www.ibm.com/communities/analytics/cognos-analytics/>

Documentation

- [http://www.ibm.com/support/knowledgecenter/SSEP7J\\_11.0.0/](http://www.ibm.com/support/knowledgecenter/SSEP7J_11.0.0/)

Upgrade Central

- <https://www-01.ibm.com/software/analytics/cognos/customercenter/upgrade.html>