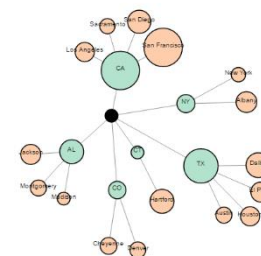
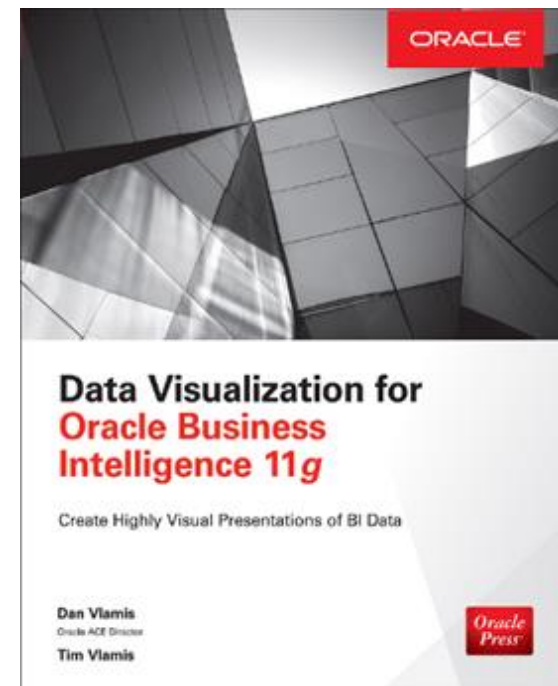


New Features in Oracle Analytics 5.6 & 5.7

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VlamiS Software Solutions

- Founded in 1992 in Kansas City, Missouri
- 400+ Enterprise Clients
- Consults in :
 - Enterprise Business Intelligence & Analytics
 - Analytic Warehousing
 - Machine Learning and Predictive Analytics
 - Data Visualization
 - ETL and data integration
- Multiple Oracle ACEs, consultants average 15+ years
- Creators of the [Force Directed Graph Plugin](#) on [Oracle Analytics Library](#)
- www.vlamiS.com (blog, papers, newsletters, services)
- Co-authors of book “Data Visualization for OBI 11g”





Oracle Analytics New Features Webcasts

- 11.1.1.3 (August 2010)
 - Huge release with major new functionality
- 11.1.1.5 (May 2011)
 - BIWA TechCast May 25: [Oracle BI 11.1.1.5 - New Features](#)
- 11.1.1.6 (February 2012)
 - BIWA TechCast Feb 29: [Oracle BI 11.1.1.6 New Features](#)
- 11.1.1.6.2 and 11.1.1.6.2 BP1 (May 2012 and June 2012)
 - BIWA TechCast Aug 1: [Oracle BI 11.1.1.6.2 BP1 New Features](#)
- 11.1.1.7 (April 2013)
 - BIWA TechCast Apr 5 [Oracle BI 11.1.1.7 New Features](#)
- 11.1.1.9 (May 2015)
 - BIWA TechCast Jun 4, 2015 [Oracle BI 11.1.1.9 New Features](#)
- 12.2.1 (October 2015)
 - BIWA TechCast Nov 19, 2015 [Oracle BI 12.2.1 New Features](#)
- BICS March 2016 (March 2016)
 - Webcast Apr 5, 2016 BICS [BICS March 2016 New Features](#)
- 12.2.1.1 (June 2016)
 - BIWA TechCast Jul 19, 2016 [Oracle BI 12.2.1.1 New Features](#)
- 12.2.1.2 and DVD 2.0 (October 2016)
 - Webcast Nov 22, 2016 [DVD 12.2.2 and OBIEE 12.2.1.2. New Features](#)

[OAC 5.6 & 5.7 New Features](#)

Webcast Aug 5, 2020

- DVD 3.0 (June 2017)
 - Webcast Aug 29, 2017 [DVD 3.0 New Features](#)
- DVD 4 (October 2017)
 - Webcast Nov 9, 2017 [DVD 4 New Features](#)
- OAC 4 (December 2017)
 - Webcast Dec 19, 2017 [OAC 4 New Features](#)
 - Webcast Apr 4, 2018 [Migration from OBIEE to OAC Webinar](#)
- 12.2.1.4 (June 2018)
 - Webcast Jun 19, 2018 [Oracle BI 12.2.1.4 New Features](#)
- OAC 18.3.3 (September 2018)
 - Webcast Sep 27, 2018 [OAC 18.3.3 New Features](#)
- OAC 19.1.1 (January 2019)
 - Webcast Feb 27, 2019 [OAC 19.1.1 New Features](#)
 - Webcast Mar 6, 2019 [Intro to OAC Running on ADW](#)
- OAC 105.2 (April 2019)
 - Webcast Apr 23, 2019 [OAC 105.2 New Features](#)
- OAC 105.3 (June 2019)
 - Webcast Jul 25, 2019 [OAC 105.3 New Features](#)
- OAC 105.4 (October 2019)
 - Webcast Nov 5, 2019 [OAC 105.4 New Features](#)
- OAC 5.5 (January 2020)
 - Webcast Mar 5, 2020 [OAC 5.5 New Features](#)
- OAS 5.5 (January 2020)
 - [Webcast Mar 11, 2020 Migrating OBIEE to OAS 5.5](#)
- OAC 5.6 (May 2020) OAC 5.7 (July 2020)
 - Webcast July 29, 2020 [OA 5.6 & 5.7 New Features](#)

All listed on website at <http://www.vlamiS.com/oaweinars/>



Use Questions or Chat to Communicate

Oracle Analytics Webinars — Vlami X

www.vlami.com/oaweinars

Getting Started OAC Partner Dev Portal Bing Maps - Direction... Flight Status | San Fran... Speaker Stats Dashboa...

vlami SOFTWARE SOLUTIONS

vlami services strategies **contact**

Presentations

Presentations 2020
Presentations 2019
Presentations 2018
Presentations 2017
Presentations 2016
Presentations 2015
Presentations 2014
Presentations 2013
Presentations 2012
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Presentations 2010
Presentations 2009
Presentations 2008
Presentations 2007
Presentations 2006
Presentations 2005
Presentations 2004
Presentations 2003
Presentations 2002
Presentations 2001

Oracle Analytics Webinars

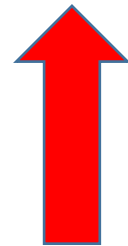
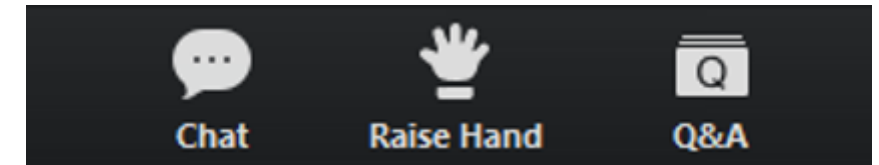
Oracle Analytics Webinars

2020

- What's New in Oracle Analytics 5.5
 - Webcast March 5, 2020 - Register now!
- Migrating from OBIEE to Oracle Analytics Server (OAS)
 - Webcast March 11, 2020 - Register now!

2019

- Analytics and Data TechCast - What's New in OAC 105.4
 - Webcast November 7, 2019
- New Features in Oracle Analytics Cloud 105.4.0
 - Webcast November 5, 2019
- New Features in Oracle Analytics Cloud 105.3.0
 - Webcast July 25, 2019
- New Features in Oracle Analytics Cloud 105.3.0
 - Webcast July 10, 2019





OAC 5.6 and 5.7 New Features Overview

Visualizations

1. Pivot table column & width controls (5.6)
2. Background images in visuals (5.6)
3. Waterfall Visualization Controls (5.6)
4. Waterfall Bridge Report (5.7)
5. Spark Chart on Performance Tiles (5.7)

Map Enhancements

6. Digitized Custom Map Layers (5.6)
7. Map controls (5.6)
8. Map Warnings and performance with large data sets (5.6)

Filtering

9. List Box Filter Viz (5.7)
10. Filter Options in Properties (5.7)
11. Canvas Property: Show Use as Filter (5.7)
12. Top/Bottom N for attributes (5.7)

Front End

13. Duplication of Custom Calculations (5.6)
14. Canvas tab enhancements (5.6)
15. Layout Container & Viz spacing Enhancements (5.7)

Data Sets and Connectivity

16. Simplified Data Set Editor (5.6)
17. Regular Expressions in Data Prep (5.6)
18. Remote Data Gateway support for MySQL (5.6)
19. Microsoft Azure SQL Database Certification (5.6)
20. Direct Connectivity to EPM Cloud (5.6)
21. Improved LIVE Data sets (5.7)

Machine Learning

22. Additional outputs for ML Models (5.6)
23. Register & Apply OML Models (5.7)
24. Database Analytics Operation (5.7)
25. Un-pivot, Sampling (5.7)
26. Dynamic Clustering, Dynamic Prediction (5.7)

Administration

27. Data Actions to Publisher Report (5.6)
28. Access Controls – permissions (5.6)
29. Mobile Day by Day Admin Mode (5.6)
30. System Settings UI Improvements (5.6)
31. Configure Access Control Rule when create OAC instance (5.6)



Pivot/Table flexible and persistent cell sizing

- Present your pivot tables with clarity. You can now control the column/row size within the Pivot and Table visualizations to fine-tune the experience to fit the data and your visual goal.

Like	Title	Stars
Ability to integrate with multiple sources	implementation that meets a expectation	5
Agility , performance and availability	DV at its best !!	5
Cloud services, Data visualization OAC - BI OAC -- Essbase OBIEE	Amazing BI/visualization tool for enterprise reporting	5
Ease of uploading an ongoing model	Great product on cloud for data visualisation	5
Ease of use and quick ability to spin up new dashboards for users.	Great Tool!	5
Ease of use running reports	Nice Product, Good Service, Knowledgeable Consultants	5
Ease of use through data visualization far exceeded our expectations.	With Oracle Analytics our move to the Cloud far exceeded our expectations!	5
Easy and quick provisioning of instance and automated nature of product.	Seamless migration to Autonomous Analytics	5
Easy to use. Possibility of define new metrics from web clients.	Easy to desing and deploy in cloud. Powerful graphics capabilities and very intuitive use	5
Embedded machine learning and data enrichment	Best In Class Platform For Cloud	5
Handling data for multiple sources and dealing with more volume of data, easy for all new users	Oracle is the best	5
I am extremely happy with the functionality offered to the end user without requiring IT involvement. At the same time, the IT shop is enabled to provide the best governed data experience to their client that I have seen	Oracle Analytics Cloud Provides Best of Both Worlds in Governed & Ungoverned Data	5

Like	Title
Ability to integrate with multiple sources	implementation that meets a
Agility , performance and availability	
Cloud services, Data visualization OAC - BI OAC -- Essbase OBIEE	
Ease of uploading an ongoing model	
Ease of use and quick ability to spin up new dashboards for users.	
Ease of use running reports	
Ease of use through data visualization far exceeded expectations.	
Easy and quick provisioning of instance and automated nature of product.	
Easy to use. Possibility of define new metrics from web clients.	
Embedded machine learning and data enrichment	
Handling data for multiple sources and dealing with volume of data, easy for all new users	

Keep Selected

Remove Selected

Drill to Attribute/Hierarchy...

Use as Filter

Add Statistics

Color

Shape

Edit

Hide Value Labels

Show Subtotal

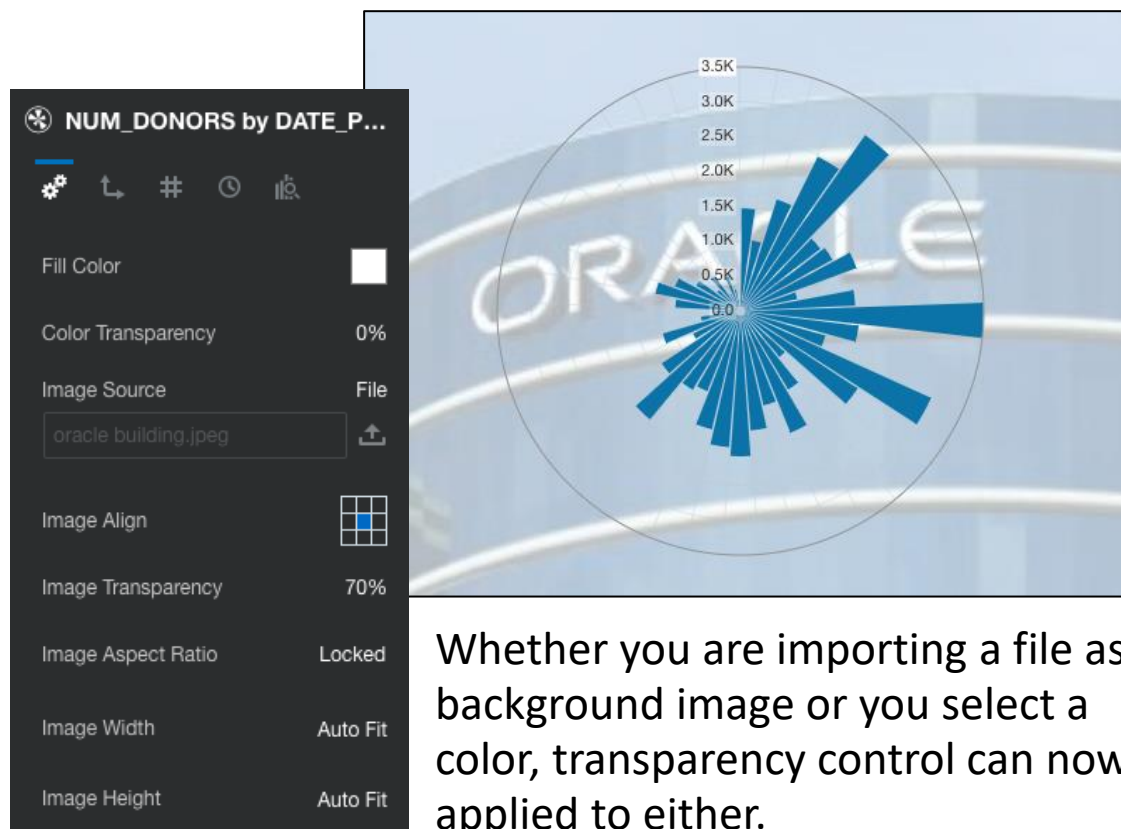
Reset Row/Column Sizes

Delete Visualization



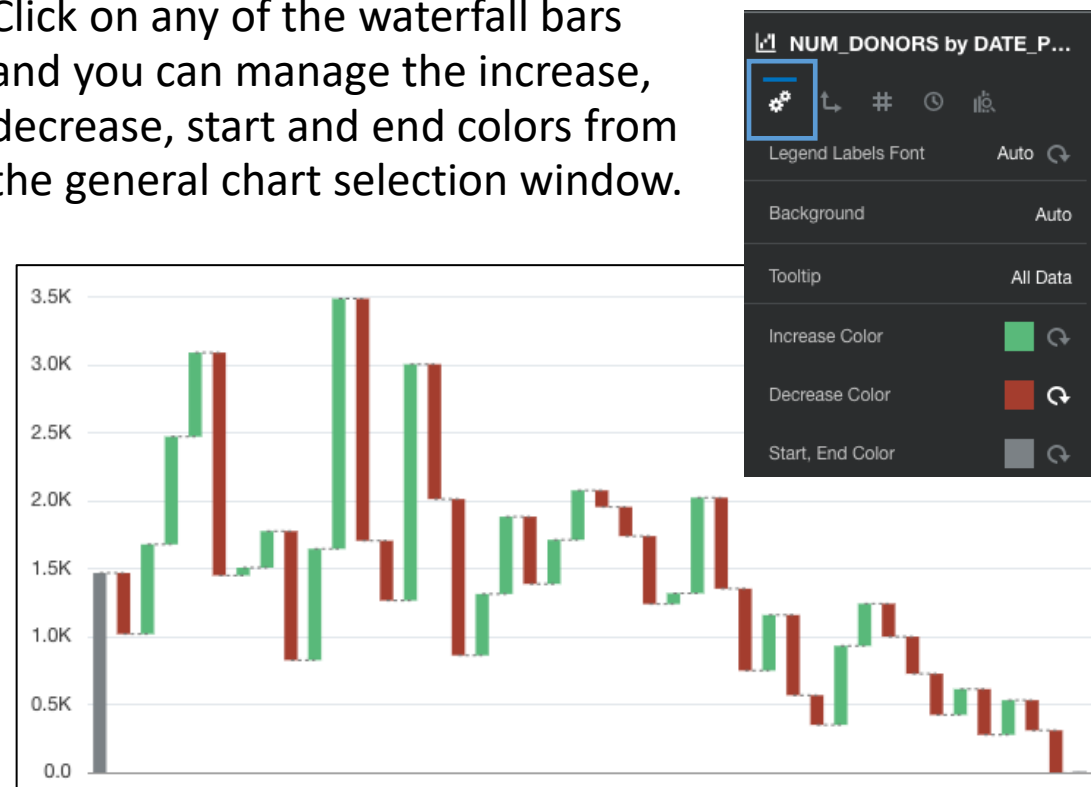
Background Images in Visuals

- You can now control background image transparency for both color or images. Control the waterfall visuals to fit your custom color scheme.
- [Oracle Video](#)



Whether you are importing a file as a background image or you select a color, transparency control can now be applied to either.

Click on any of the waterfall bars and you can manage the increase, decrease, start and end colors from the general chart selection window.





Waterfall Bridge Report 5.6 to 5.7 Migration

Difference 5.6 -> 5.7 with exact same report grammar

Waterfall

Values (Y-Axis)
Profit

Category (X-Axis)
Order Date (Y...)

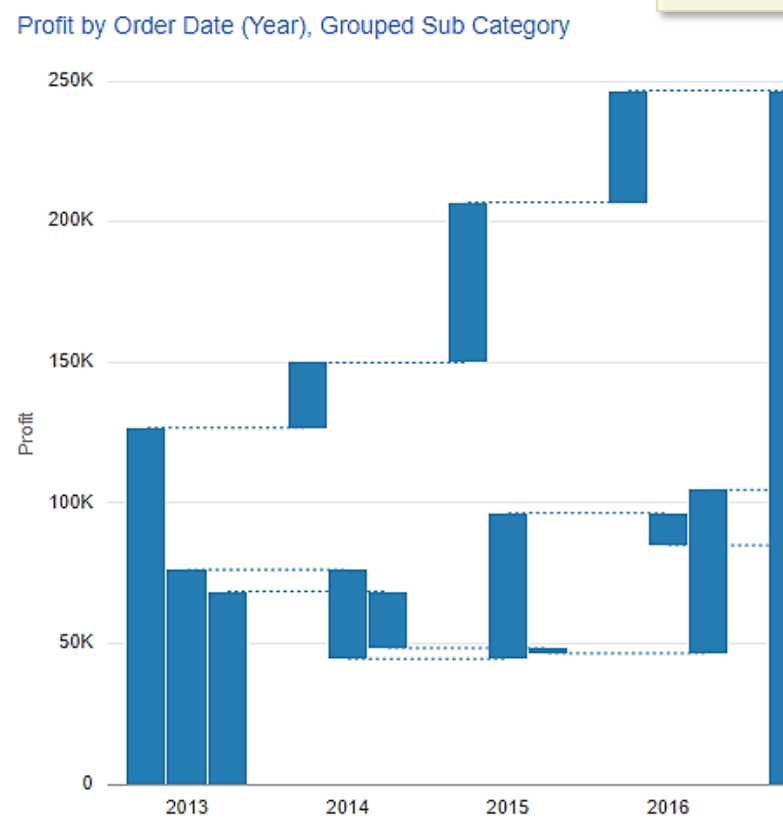
Color

Size (width)

Tooltip

Detail
Grouped S...

5.6



Waterfall

Values (Y-Axis)
Profit

Category (X-Axis)
Order Date (Y...)

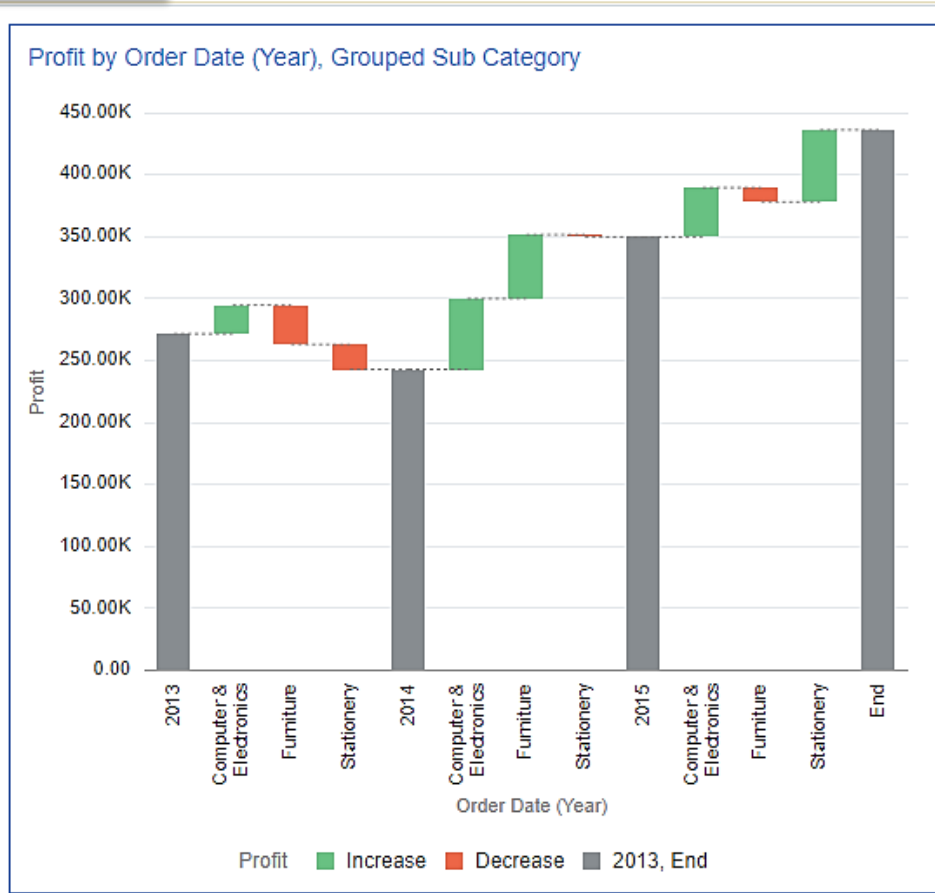
Color

Size (width)

Tooltip

Detail
Grouped S...

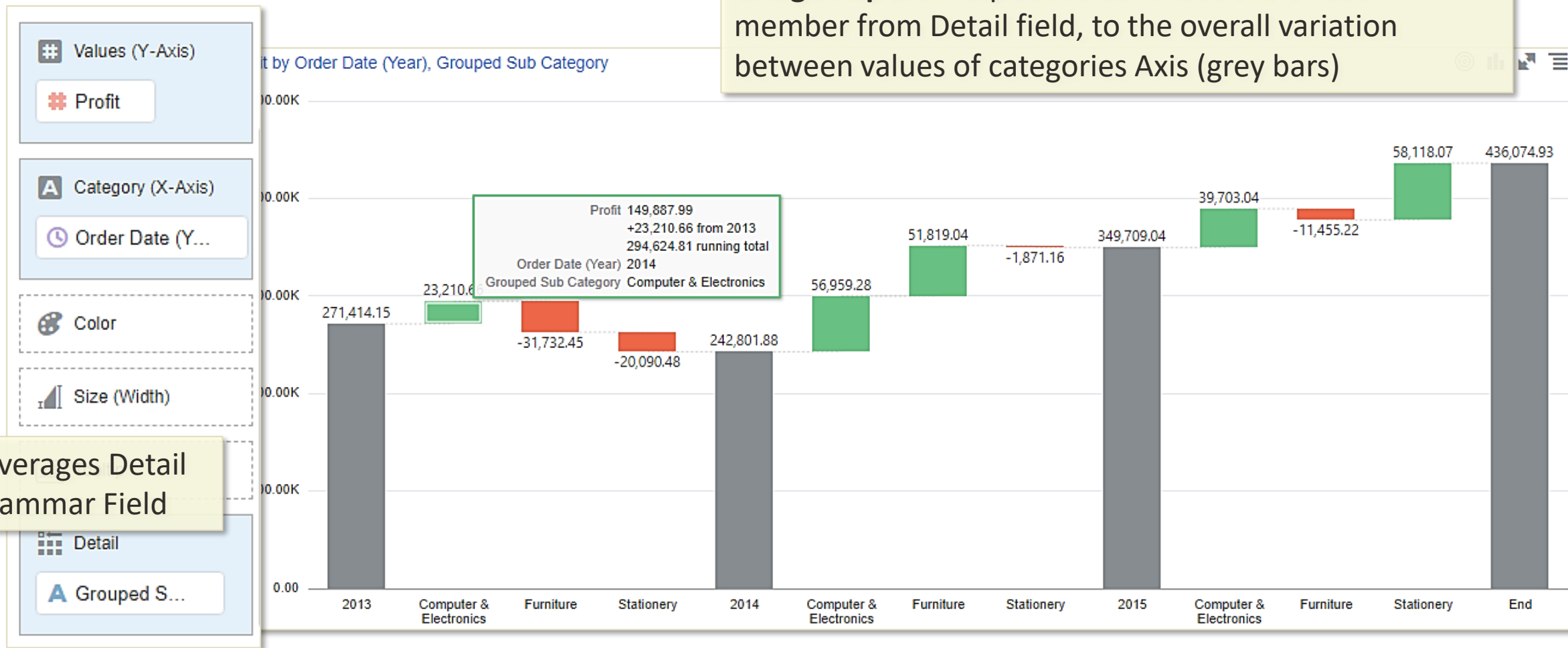
5.7





Waterfall Bridge Report

Bridge Report : respective contributions of each member from Detail field, to the overall variation between values of categories Axis (grey bars)



Leverages Detail Grammar Field



Spark Chart in Performance Tiles

Category to plot a Spark Chart

50 Tile

Values

- Sales

Category (Chart)

- City
- Area
- Bar
- Line

Drill to Attribute Hierarchy...

Create Filter

Delete

50 Trend by Order Date (Year)

Title: Custom

Trend by Order Date (Year)

Title Font: Auto, 10

Description: Auto

Description Font: Auto

Background: Auto

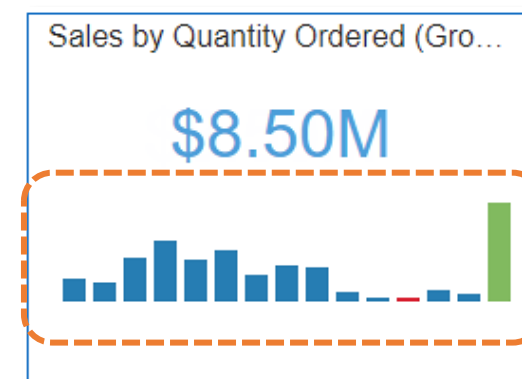
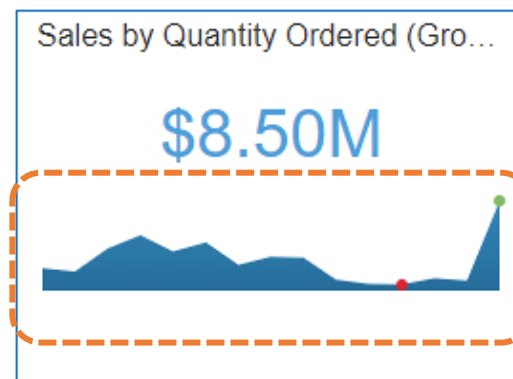
Alignment: Center

Value Font: Auto

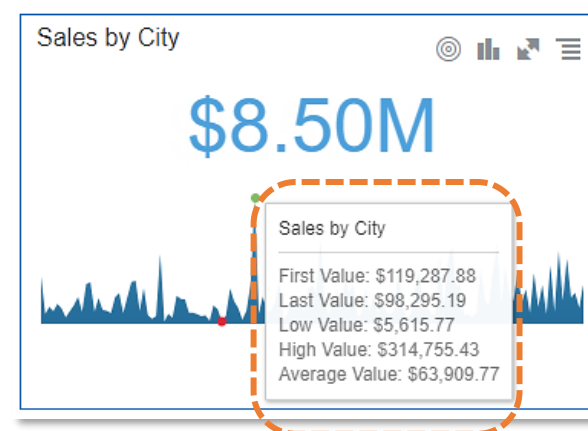
Chart: Area

Reference Line: Average

High/Low Marks: Show



Low/High values displayed on the Spark chart

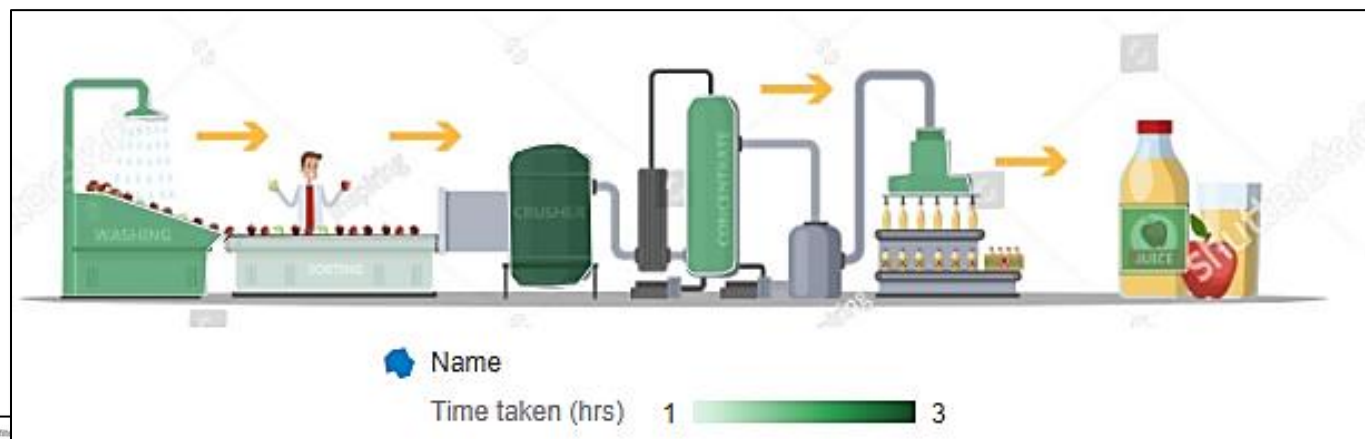
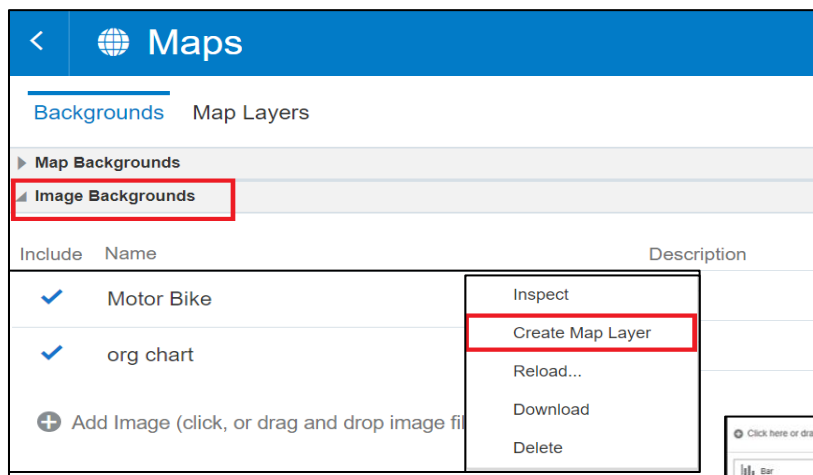


Value details on mouseover

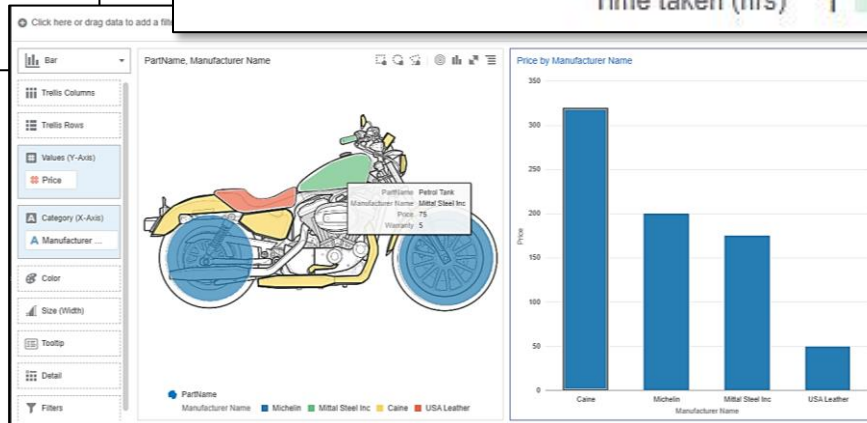


Digitized Map Layers

- Easily create custom interactive visuals from any image. Now, any user can upload images and create map layers that support defining areas on the images with no-code shape definitions that are bound to data interactively. These custom map shapes allow you the ability to tell a better story and provide deeper insights to your data.



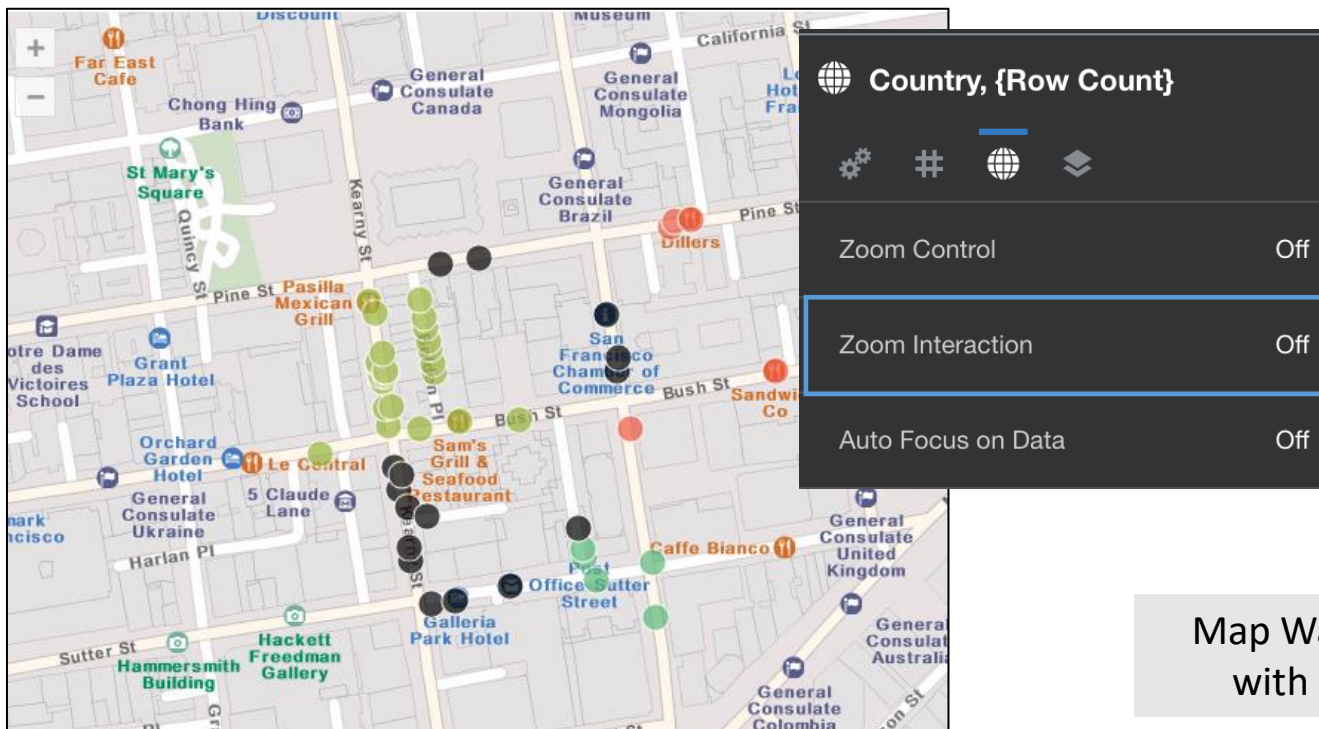
Watch [Oracle video](#) for instructions



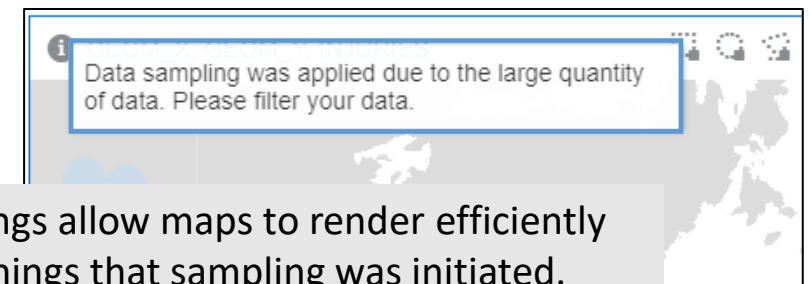


Map Controls

- Creators of maps now have control to set whether users can interact with the map via zoom, wheel and scroll and double-click. Map warnings appear when data sampling is initiated due to large queries while query performance has been optimized with caching for faster map rendering times.



Set the Zoom Interaction to Off to disable the use of zoom, wheel and scroll, and double-click.

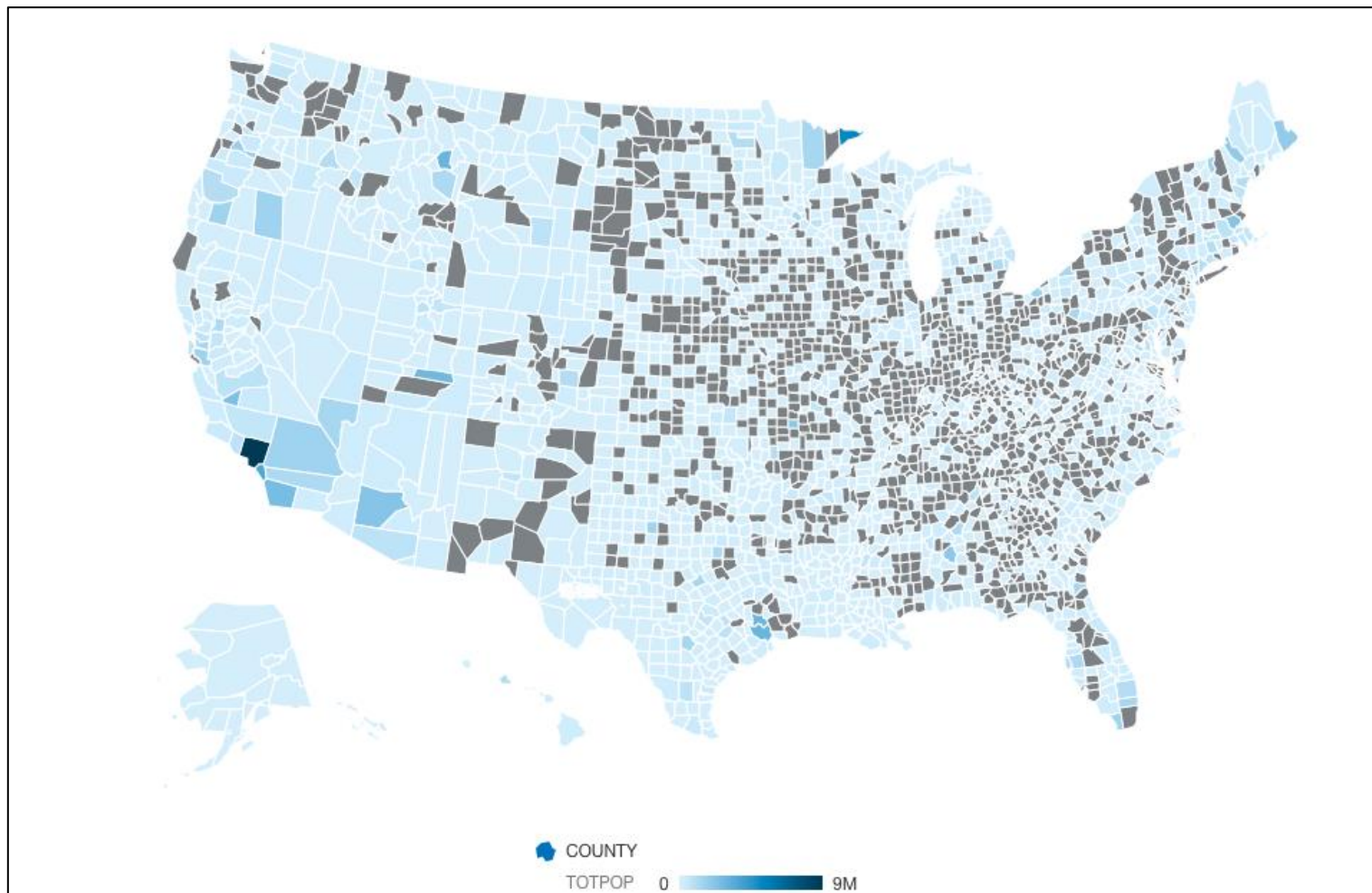


Map Warnings allow maps to render efficiently with warnings that sampling was initiated.



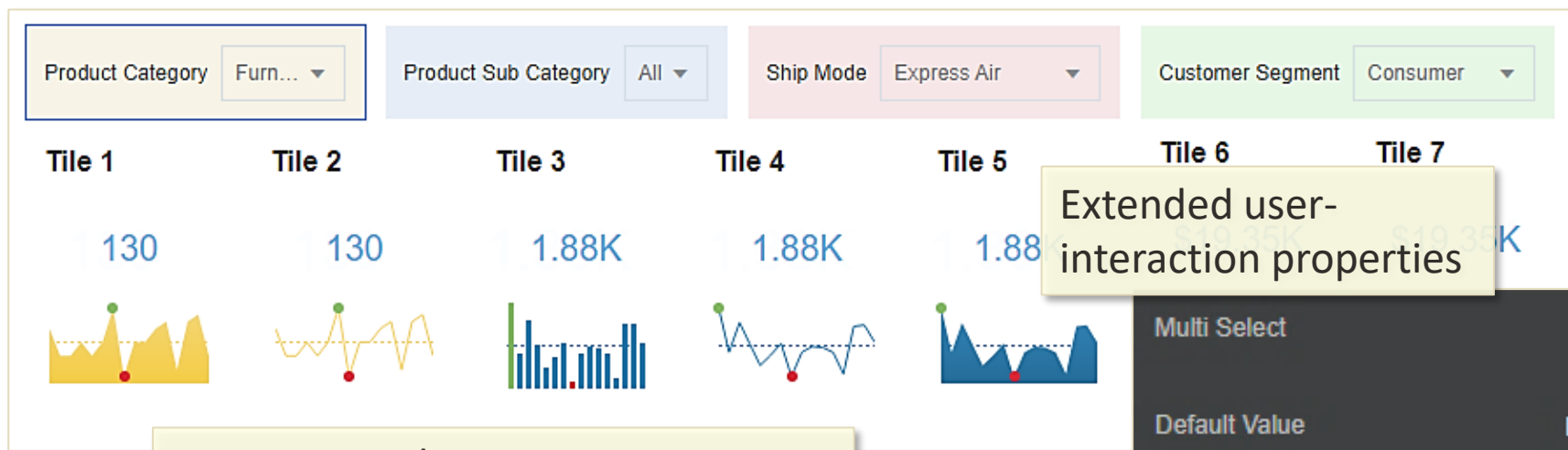
Map Performance

- Numerous improvements have been added to increase map rendering times including the caching of GeoJSON files, Compression of client-server communication, and client-side caching of mv-suggest requests.





On-Canvas Filters: List Box



Extended user-interaction properties

Locates anywhere on Canvas
Works in Narrate mode

Cumulates with Canvas Filters ⚠

Multi Select

Default Value

Selection Required

Combo Text Max Width

Product Category

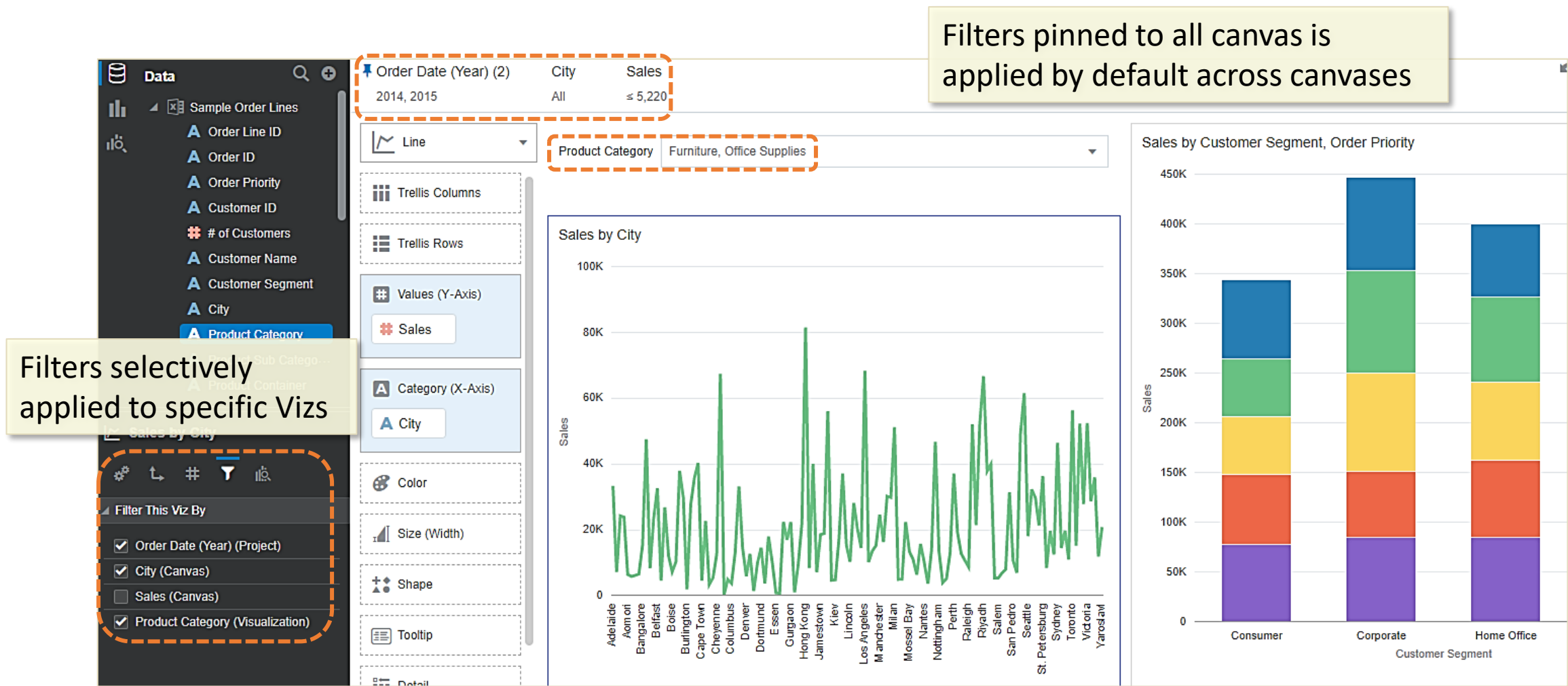
Apply This Filter To

- ☒ Tile 4
- ☒ Tile 14
- ☒ Tile 1
- ☒ Tile 2
- ☒ Tile 15
- ☒ Tile 10
- ☒ Tile 16
- ☒ Tile 3
- ☒ Tile 13

Selectively apply to checked Vizs



Options to Selectively Apply Filters





Canvas Property – Show Use as Filter

- Control the visualization level filter by setting the Show “Use as filter” filters to On.

The screenshot shows the 'Canvas Properties' dialog box. It contains several settings: Name (Canvas 1), Layout (Auto Fit), Width (Auto), Height (Auto), Brushing (Auto (On)), Synchronize Visualizations (On), Show "Use as filter" filters (Off), and Background (Auto). The 'Show "Use as filter" filters' option is highlighted with a blue border, indicating it is the current focus. The 'Off' status is shown in blue text. At the bottom, there are 'Cancel' and 'OK' buttons.

Canvas Properties	
Name	Canvas 1
Layout	Auto Fit ▼
Width	Auto ▼
Height	Auto ▼
Brushing	Auto (On) ▼
Synchronize Visualizations	On
Show "Use as filter" filters	Off
Background	Auto
<div>Cancel OK</div>	

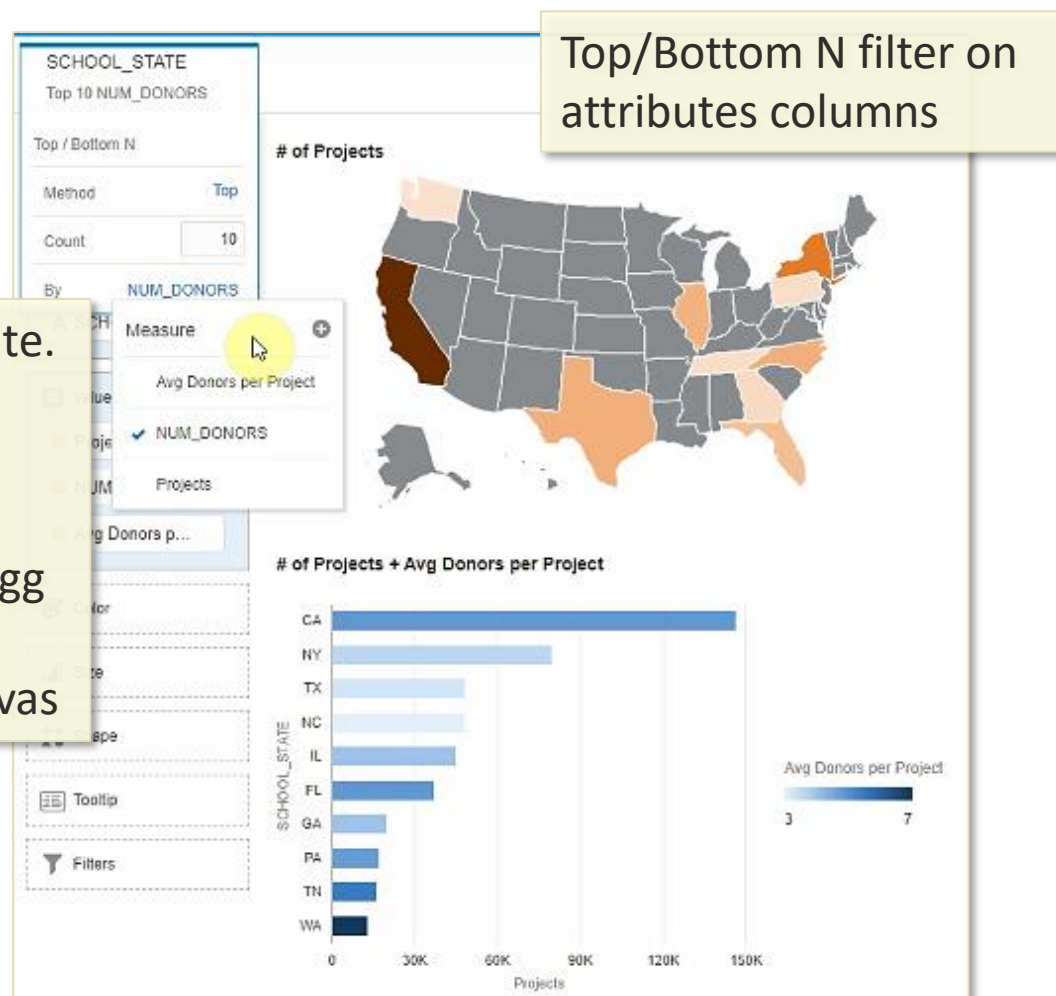


Top/Bottom N for Attribute Columns

Select metric to Top with for this attribute.

Also works with

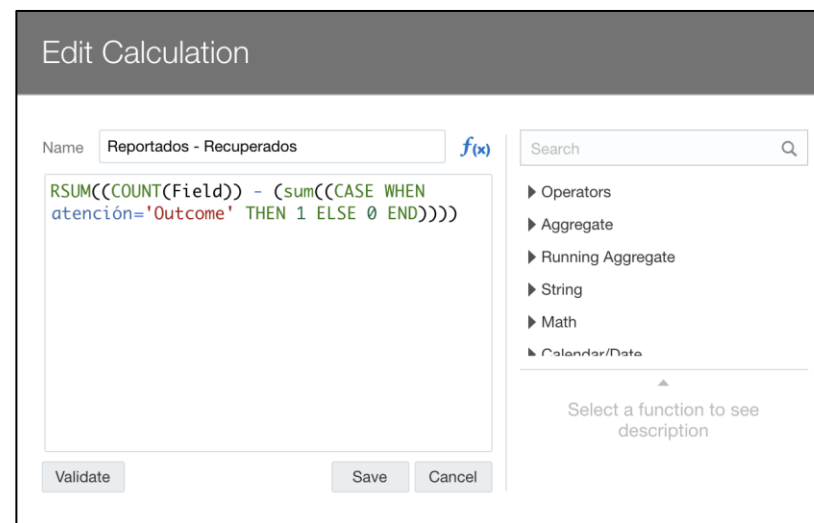
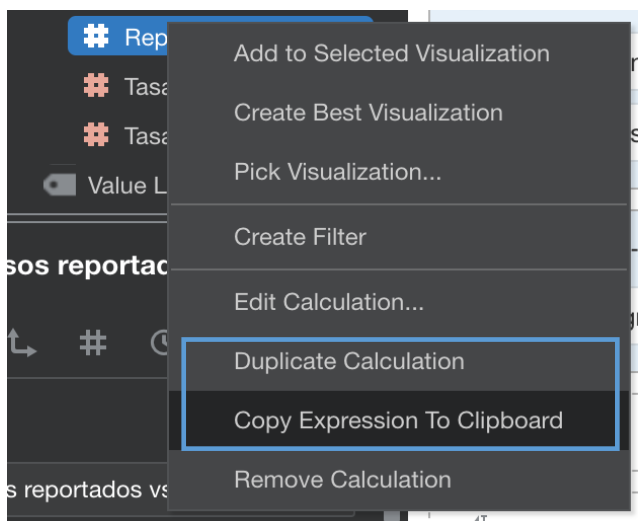
- metrics that are not on the canvas
- Aggregates according to the metric agg rule
- Custom calculations once on the canvas





Duplicate Custom Calculations

- Flexibility with calculations has just gotten better. You can now duplicate complex expressions quickly when you have multiple derivatives that need created or copy the expression to the clipboard.



Copy Expression example:

```
RSUM((COUNT(XSA('Admin'.Type')."Columns"."Field")) - (sum((CASE WHEN XSA('Admin'.Type')."Columns"."Field"='Outcome' THEN 1 ELSE 0 END))))
```

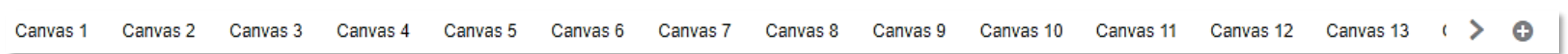
Canvas Tab Enhancements

- Improved content density of canvas names for better visibility of canvas tabs in a project. This enables you to navigate through the different canvas tabs more quickly as you can see which tab is the correct one.

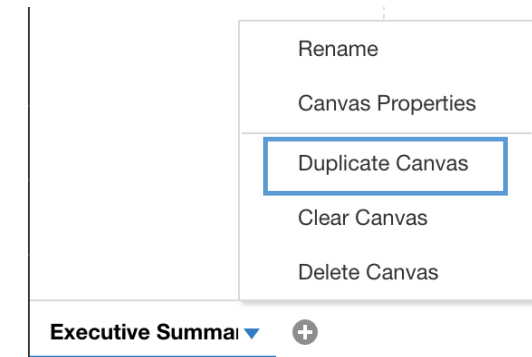
Version 5.5



Version 5.6



You can now duplicate your canvas tabs with a simple right-click and take advantage of modifying your content without losing your original designs or continue to extend the visualizations you have.





Canvas Layout Enhancements

Canvas Properties

Name:

Layout:

Width:

Height:

Brushing:

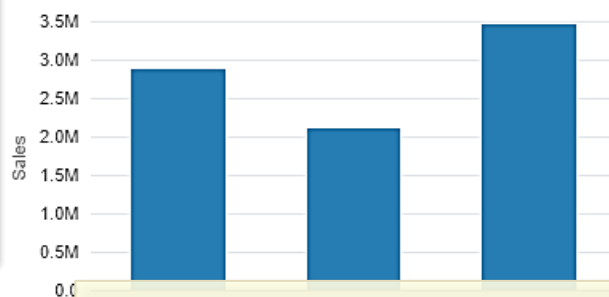
Synchronize Visualizations:

Show "Use as filter" filters:

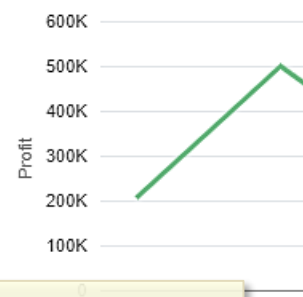
Background:

Canvas width and height behavior options

Sales by Product Category



Profit by Customer Segment



Dynamic Width – Horizontal scrollbar

Dynamic Height – Vertical scrollbar

Profit by City



Sales by Product Sub Category

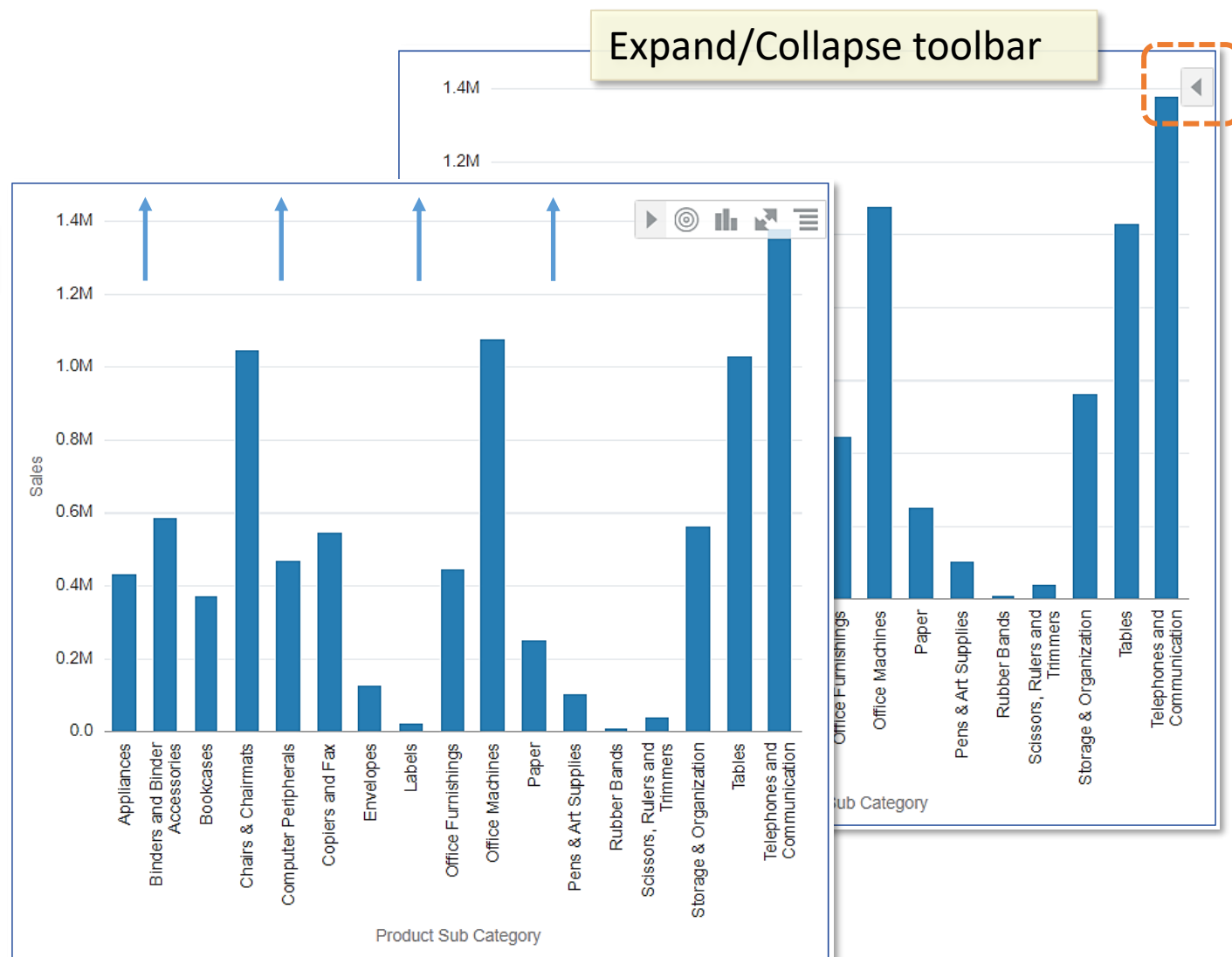
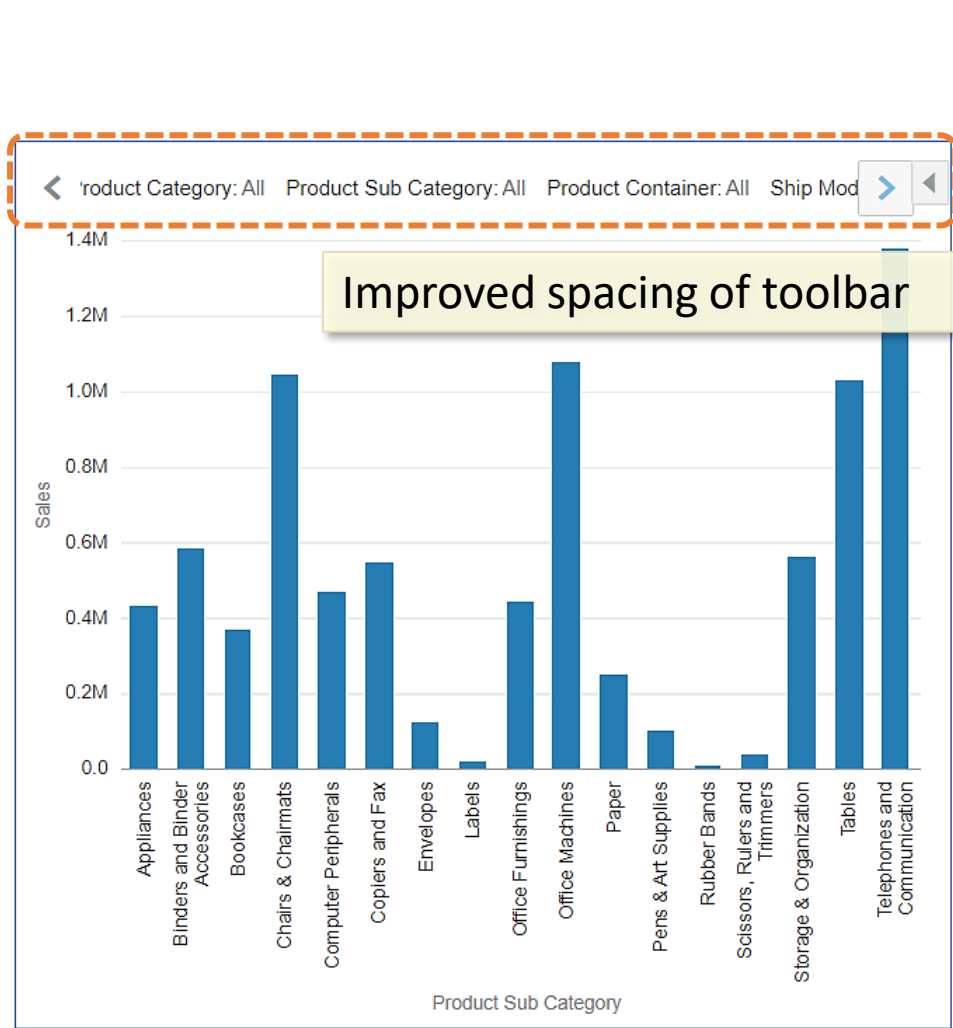


Product Sub Category, Sales, Quantity Ordered, Product Category, Product Sub Category

Sales	Quantity Ordered	Product Category	Product Sub Category
370,475.59	2,535.00	Furniture	Bookcases
1,046,332.70	5,944.00	Furniture	Chairs & Chairmats
445,605.98	12,377.00	Furniture	Office Furnishings
1,030,879.05	4,955.00	Furniture	Tables
431,437.26	6,930.00	Office Supplies	Appliances



Optimize Visualization White Space – Regain Title Area





Simplified Data Set Editor

- The new Simplified Data Set Editor adds the ability to remove unneeded columns quickly, improves the data density so you can see more of your data, and organizes all the existing features in a single page which reduces the steps required to create a Data Set.

- [Oracle Video](#)

Add Data Set US_AIRLINES_DELAY

Cancel Add

Create Project

F_ORIGIN
SFO

OML Demo > AIRLINES_NEW > US_AIRLINES_DELAY

Search

Add All

Add Selected

Remove All

Remove Selected

Selections (13/48)

AIRLINES_NEW

F_TAILNUM

F_FLIGHTNUM

F_FLIGHTS

F_ORIGIN

F_PILOT_ID

F_ROUTE

F_TAILNUM

FD_ARR_DELAY_GRP

F_AIRTIME

F_CARRIER

F_DISTANCE

F_FLIGHTS

FD_ARR_DELAY_GRP

F_AIRTIME	F_CANCELLED	F_CARRIER	F_DISTANCE	F_FLIGHTS
18	0.00	SkyWest Airlines Inc.	66	1
83	0.00	United Air Lines Inc.	628	1
45	0.00	United Air Lines Inc.	236	1
44	0.00	Southwest Airlines Co.	258	1
116	0.00	Southwest Airlines Co.	804	1
33	0.00	United Air Lines Inc.	192	1
42	0.00	Southwest Airlines Co.	255	1
40	0.00	Southwest Airlines Co.	255	1

FD_ARR_DELAY_GRP

F_AIRTIME	F_CARRIER	F_DISTANCE	F_FLIGHTS
18	SkyWest Airlines Inc.	66	1
83	United Air Lines Inc.	628	1
45	United Air Lines Inc.	236	1
44	Southwest Airlines Co.	258	1
116	Southwest Airlines Co.	804	1
33	United Air Lines Inc.	192	1
42	Southwest Airlines Co.	255	1
40	Southwest Airlines Co.	255	1

Name US_AIRLINES_DELAY

Description External Data Set

Connection OML Demo

Data Access Automatic Caching

New Data Indicator F_FLIGHT_DATE

Owner Admin

Created On In Progress

Modified On In Progress

Refreshed Never

F_TAILNUM	F_FLIGHTS	F_ORIGIN	F_PILOT_ID	F_ROUTE	F_TAILNUM
1	1	SFO	20304_24793	SFO-STX	N909SV
1	1	DEN	19977_1155	DEN-LAS	N463UA
1	1	LAX	19977_1721	LAX-LAS	N78448
1	1	SAN	19393_35561	SAN-LAS	N275WN
1	1	DEN	19393_5912	DEN-RNO	N755SA
1	1	SFO	19977_26272	SFO-RNO	N39297
1	1	PHX	19393_36289	PHX-LAS	N792SV
1	1	PHX	19393_30561	PHX-LAS	N7740A
1	1	LAX	19977_31728	LAX-LAS	N26123
1	1	LAS	19393_18788	LAS-SMF	N756SA
1	1	LAS	19393_9167	LAS-LAX	N470WH



Regular Expressions (regex)

- Perform advanced search, replace, and pattern matching using regular expressions giving you powerful capabilities to clean and prep your data during preparation. While in the Prepare tab of your project, select a Replace step where you can use the regular expression option. The 5.6 release supports only [PCRE](#) regex syntax.

Replace •

Cancel

Add Step

String to replace

\d+

New string

9999

☐ Match partial values

☐ Match entire values only

☒ Use regular expression

Search Expression	Replace Value	Original Text	Replaced Text	Notes
@ ([a-z] +) (? = \. [a-z] { 3 })	@example	MichelePFalk@yahoo .com	MichelePFalk@exam ple.com	This example replaces domain details in email addresses.
^Gray Grey \$	Silver	Gray Gray Graystone	Silver Silver Graystone	The ^ \$ characters mean only look for entire string matches. The vertical bar is the regular expression for OR, so in this case the regular expression looks for either "Gray" or "Grey" and replace with "Silver". The string Graystone isn't transformed because the regular expression is looking for entire value matches only.
\d +	9999	8398 Park Street 123 Oracle Parkway	9999 Park Street 9999 Oracle Parkway	This regular expression looks for one " \d " or more "+" digits and replaces them with "9999". The replace also works when the original text has only three digits.
([A-z] +) (\d +)	\$2	UA101654 US829383	101654 829383	This regular expression is looking for one "[A-z]" or more "+" consecutive letters followed by one " \d " or more "+" digits - each of the two expressions is bounded by parentheses, which captures two groups - the first one ([A-z]) and the second one (\d +) - these groups are numbered automatically and can then be used in the replacement by using the dollar sign for the second group, for example, "\$2".
([A-z] +) (\d +)	Postal Code: \$2	UA101654 US829383	Postal Code: 101654 Postal Code: 829383	This example uses the same match expression as the previous example, except that it shows how to insert your own replacement text in addition to a group. Text can be inserted before and after a recalled match group.

<https://docs.us.oracle.com/en/cloud/paas/analytics-cloud/acubi/transform-data-using-replace.html#GUID-AB749675-E5D8-4C8F-9AEF-74B2D800B72D>



Remote Data Gateway support for MySQL

- Access on-premises MySQL databases using Remote Data Gateway.


Create Connection

Select Connection Type

Search






MySQL Database

* Connection Name

Description

* Host

* Port

* Database Name

* Username

* Password

☒ Use Remote Data Connectivity



Microsoft Azure SQL Database Certification

- Ability to use the SQL Server data direct connector and Remote Data Gateway with Azure SQL databases.

Create Connection

Select Connection Type

Search



You must Enable SSL and the OAC IP needs to be whitelisted on the Azure firewall.

Create Connection

SQL Server Database

* Connection Name

Description

* Host

* Port

* Database Name

* Username

* Password

☐ Use Remote Data Connectivity

☒ Enable SSL



Direct Connectivity to EPM Cloud (5.6.2)

- Waited for EPM 20.6
- Self-Service connector to EPM Cloud
 - Simple, out-of-the-box integration
 - EPM connectivity with Pro Edition
- Support for generation columns and hierarchies





Improved LIVE Data sets

COUNTRIES
Data Set

Save

Close

General

Data Elements

Search

Access

Name

COUNTRIES

Description

External Data Set

Created On

Today at 01:12 PM

Modified On

Today at 12:58 PM

Certified By

Not yet certified

Certify

Owner

admin

Type

Database Table

Connection

DMUSER

Database Type

Oracle Database

Table

SH.COUNTRIES

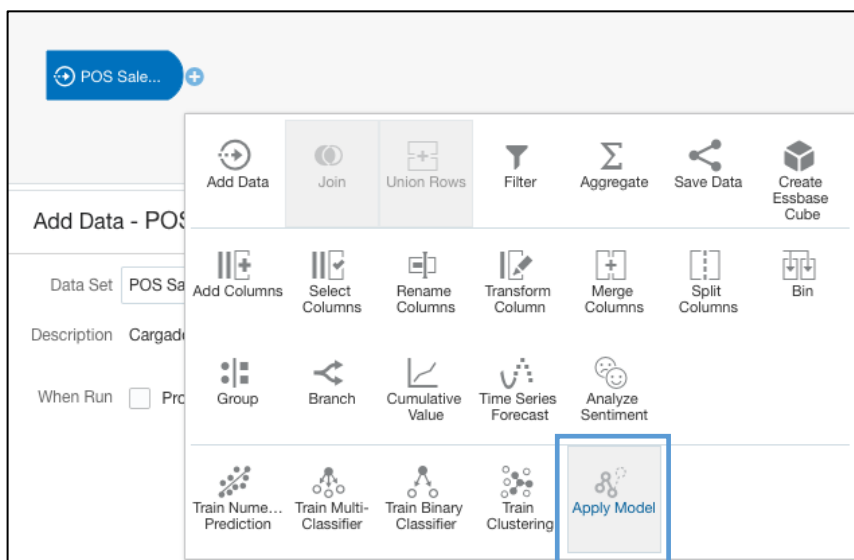
Data Access

Live

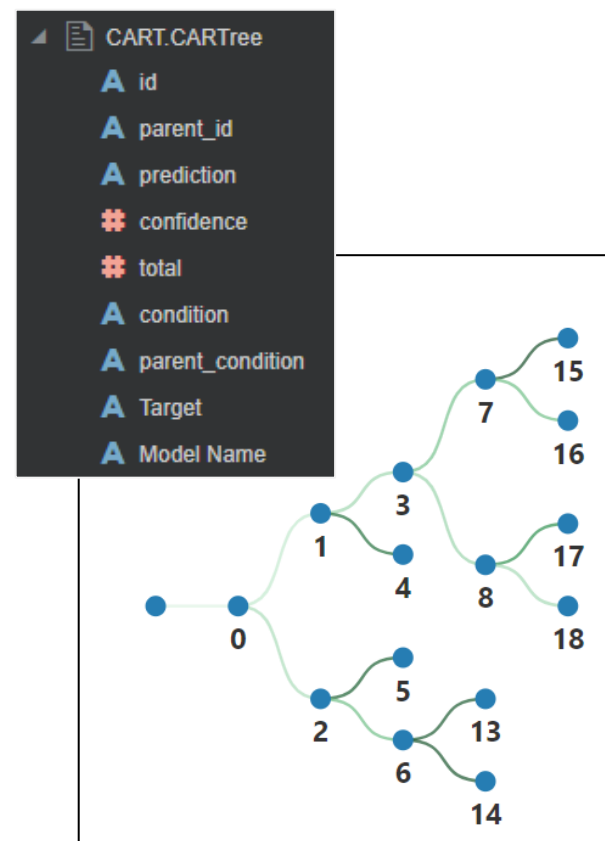
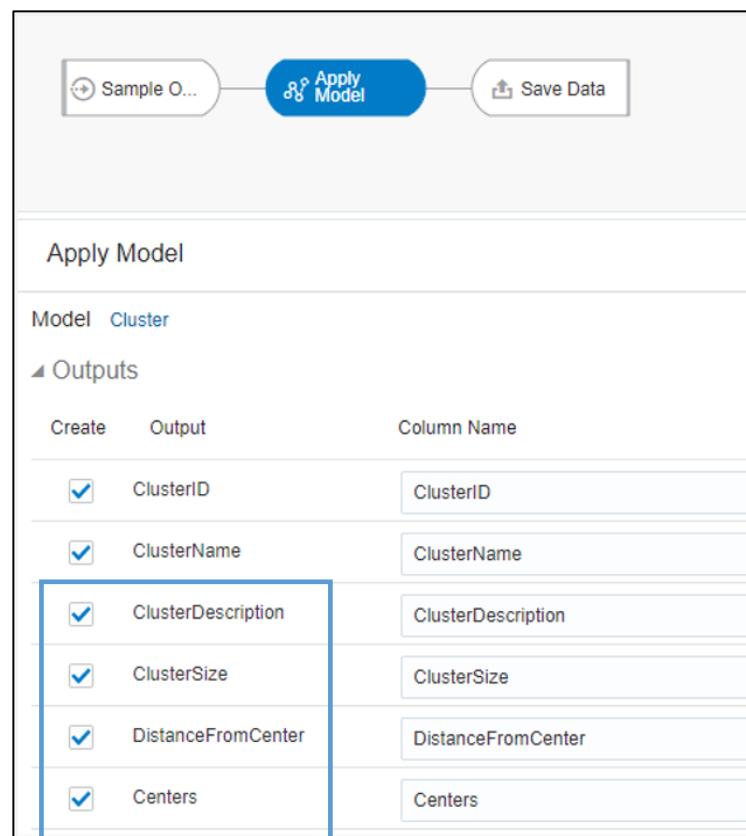
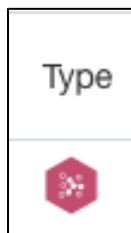
Now in LIVE mode, cache is neither populated nor used, when additional queries are issued.

ML Output enhancements

- When using Data Flow and applying a Clustering model you can leverage additional output columns that surface values in the model that can be visualized with the network chart for deeper insights.



In Data Flow, choose your Data Set and add the Apply Model step. Choose a **Clustering** Model type and you will automatically see the additional clustering options.





Register ML Model from Oracle DB/ADW

Register external ML Model

Select ADW/Oracle DB Connection

Register ML model to score OAC datasets

Create

Import Project/Flow...

Data Set Management

Open Data Modeler

Register ML Model

Open Classic Home

Customize Home Page...

Register an ML Model

From a Connection

Type	Name	Description
	BugDB_Conn	BugDB_Conn
	BugDB_Connection	
	bur10347	
	DemoADW	
	DemoOML	

Select a Model to Register

Type	Name	Last Modified
	CLUS_OC_1_5	Jun 15, 2016
	CLUS_SAMPLE	Oct 21, 2019
	CLUS_SAMPLE	Oct 24, 2019
	H_CLAS_SAMPLE	Oct 22, 2019
	H_REGR_SAMPLE	Nov 12, 2019
	CLUS_SAMPLE	Oct 17, 2019
	CLAS_SAMPLE	Oct 16, 2019
		Feb 18, 2020
	SAMPLE	Oct 23, 2019

Name

Description

Model Info

Model Name

Model Class

Algorithm

Description

Owner

Created On

Target

Input Columns

Output Columns

Parameters

Cancel Register

Several model details available



OML Integration – Apply OML model

Score OAC dataset using ML model

MINING_... Filter Apply Model Save Data

Apply Model

Model NB_SH_CLAS_SAMPLE

Outputs

Create	Output	Column Name
<input checked="" type="checkbox"/>	Prediction	Prediction
<input checked="" type="checkbox"/>	PredictionProbability	PredictionProbability
<input checked="" type="checkbox"/>	PredictionCost	PredictionCost
<input checked="" type="checkbox"/>	PredictionDetails	PredictionDetails

Model	Input
AGE	AGE
HOME_THEATER_PACKAGE	HOME_THEATER_PACKAGE
CUST_GENDER	CUST_GENDER

Apply Model lists OAC built and External Models

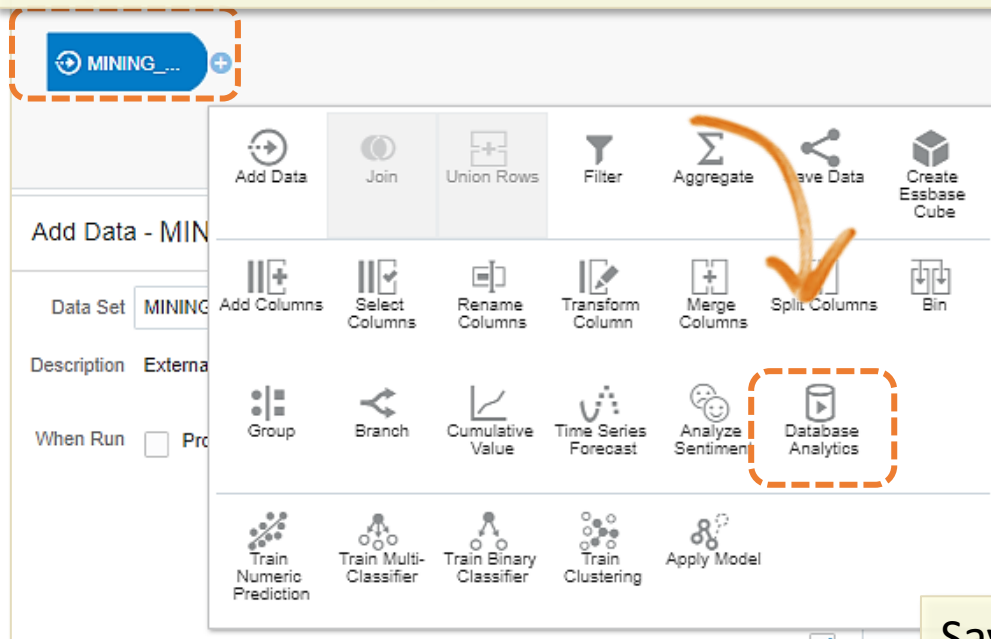
Type and Source differentiate OAC built vs External Model

Select Model				
Type	Name	Target	Author	Source
	Predict Age using CART	AGE	admin	Oracle Analytics Model
	NB_SH_CLAS_SAMPLE	AFFINITY_CARD	admin	Oracle Database
	ODM_LTV_BIN	M_LTV_BIN	admin	Oracle Database



Advanced Analytics : Database Analytics

Database Analytics Node available in Data Flows only for Oracle ADW/Oracle DB Datasets



Saves results and executes directly in underlying database

Select Database Analytics

Four Database Analytics Operations available

Analytics Operation	Description
Dynamic Anomaly Detection	This script performs dynamic anomaly detection on the input data without a pre-d
Dynamic Clustering	This script performs dynamic clustering on the input data without a pre-defined m
Sampling Data	The Oracle database ora_hash clause instructs the database to select a random
Un-pivoting Data	The DB Unpivot clause allows to transpose data that is stored in columns, into row



DB Analytics – Un-pivoting Data

ab QUANTILE	ab COL_2003	ab COL_2004	ab COL_2005	ab COL_2006	99 COL_2007	99 COL_2008
MED	8.	7.	6.	5.	6	5
MED	3.	2.	4.	0	0	1
MED				1.	3	0
MED			0	0	0	0
MED			0	0.	0	0
MED			8	8.	8	6
MED	24	25	24	25	25	25
MED		0.	0.	0.	0	0
MED					2	2
MED				0	0	0
MED		11	11	11	11	11
MED					7	12
MED					0	0
MED			0	0	0	0
MED	0	0	0	0	0	0
MED					7	0

ab Quantile	ab Geography	ab Income_Group	ab Year	ab Value
MED	AT	QU1	COL_2005	6.
MED	AT	QU1	COL_2006	5.
MED	AT	QU1	COL_2007	6
MED	AT	QU1	COL_2008	5
MED	AT	QU1	COL_2009	5
MED	AT	QU1	COL_2010	5.099999999999999
MED	AT	QU1	COL_2011	5.5
MED	AT	QU1	COL_2012	5.4
MED	AT	QU1	COL_2013	5.7
MED	AT	QU1	COL_2014	6.1
MED	AT	QU1	COL_2015	6.5
MED	BE	QU1	COL_2003	3.
MED	BE	QU1	COL_2004	2.
MED	BE	QU1	COL_2005	4.
MED	BE	QU1	COL_2006	0
MED	BE	QU1	COL_2007	0
MED	BE	QU1	COL_2008	1

TAX_CON... Database Analytics

Database Analytics

Analytics Operation: Un-pivoting Data

Outputs

Create	Output	Column Name
<input checked="" type="checkbox"/>	MappedAttribute1	Quantile
<input checked="" type="checkbox"/>	MappedAttribute2	Geography
<input checked="" type="checkbox"/>	MappedAttribute3	Income_Group
<input checked="" type="checkbox"/>	GeneratedAttribute	Year
<input checked="" type="checkbox"/>	AttributeValue	Value

Parameters

* MappedAttribute1 QUANTILE

The column to be included in the output dataset

MappedAttribute2 GEO

The column to be included in the output dataset

MappedAttribute3 INCOME_GROUP

The column to be included in the o/p dataset

* Start Column COL_2003

Starting column for unpivoting

* End Column COL_2015



Data Actions with Publisher Report

- Data Actions are now even more powerful with new publication capabilities. You can send users to existing publications directly from data points in your visuals, increasing insights with beautifully designed narrative reports. Parameters can be passed to data to filter the result .

The screenshot shows the 'Data Actions' configuration dialog. At the top, there are tabs for 'Prepare', 'Visualize', and 'Narrate', along with a 'Save' button. Below the tabs, there are icons for undo, redo, share, and a menu. The 'Data Actions' tab is selected, showing a 'New Data Action' form. The form has fields for 'Name' (set to 'New Data Action'), 'Type' (set to 'URL Navigation'), and 'Anchor To' (set to 'Publish Event'). Below these, there is a text area for 'Enter URL. with \${value} syntax.' and a list of options: 'Analytics Link', 'HTTP API', and 'URL Navigation'. The 'URL Navigation' option is selected. At the bottom, there are 'Cancel' and 'OK' buttons.

The screenshot shows the 'BI Publisher Parameter Map' dialog. It has a title bar 'Select a project' and a subtitle 'All > Shared Folders'. Below the subtitle, there is a search bar and a 'Sort by' dropdown. A file icon is shown with the name 'Sales BIP Report.xdo'. Below the file list, there is a table titled 'BI Publisher Parameter Map' with the instruction 'Map attribute columns to BI Publisher parameters.' The table has two columns: 'Column' and 'Parameter'. The first row shows 'Product Category' mapped to 'Product_Category'. Below the table, there is an 'Add Row' button.

Column	Parameter
Product Category	Product_Category



Access controls

- Control permissions to content by different object types created in classic mode.

1.90 Configuration dashboard

General | **Access**

All | Users | Roles | Add | Search By Name

Monthly Revenue Trend report

General | **Access**

All | Users | Roles | Add | Search By Name

W2 2010 xdo

General | **Access**

All | Users | Roles | Add | Search By Name

Name	Read-Write	Read-Only
BI Consumer	<input type="radio"/>	<input checked="" type="radio"/>
BI Service Administrator	<input checked="" type="radio"/>	<input type="radio"/>

Dashboards

Answer Reports

Publisher Reports



Day by Day

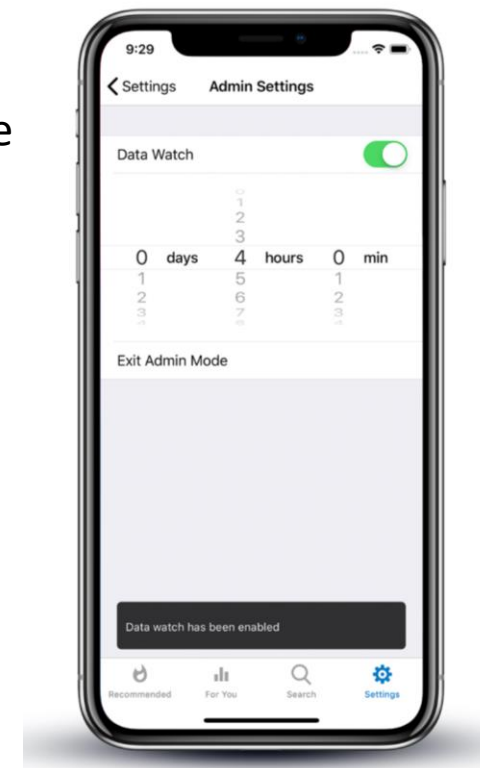
- Having the ability to control the user experience is ideal. Now, administrators have extended controls to inform their user base with selected content and preferred times. Users can personalize their feeds by selecting what they want to see including setting thresholds.

Administrative Controls

- Seeding the feed for everyone
- Add to suggested viewing
- Set Server Interval

Personalized Controls

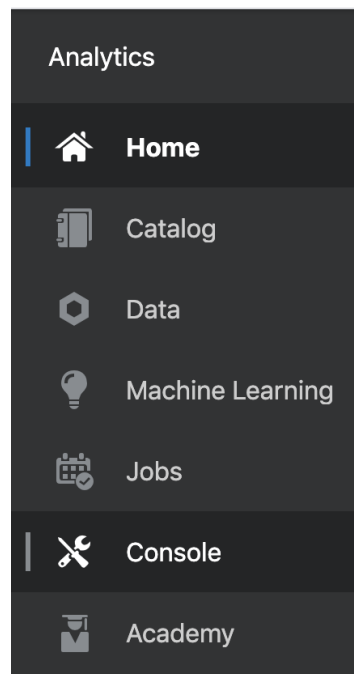
- Preferred content
- By Time
- By Location
- Set your Thresholds



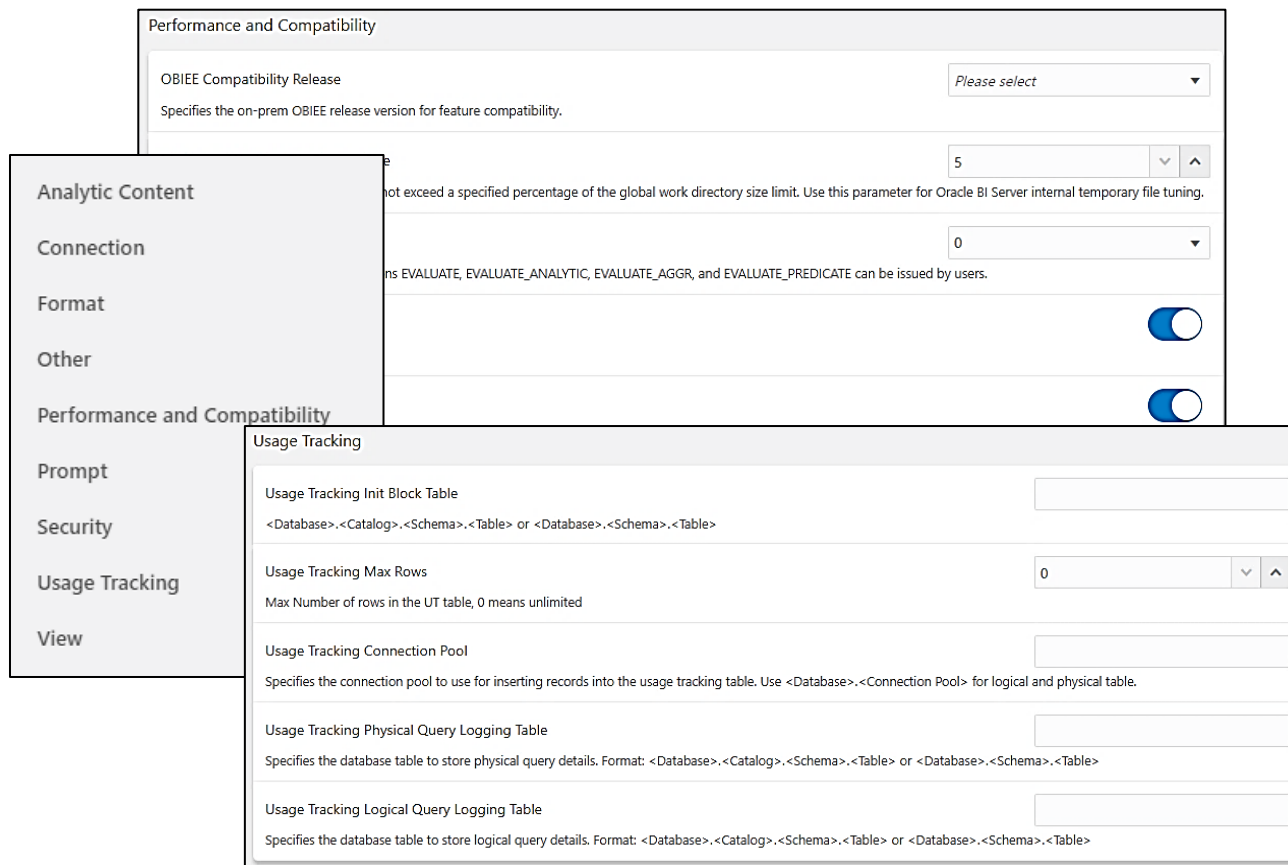


Console System settings improved UI

- Console -> System settings option includes left navigation for quick access to sections




System Settings





Configure Access Control Rules for Instance

ORACLE Cloud

US East (Ashburn)

Create Analytics Instance

Successfully created the Analytics Instance named 'AnalyticsTestVersion57'

INSTANCE NAME ⓘ
analytics57

DESCRIPTION OPTIONAL ⓘ

Capabilities

FEATURE SET ⓘ
Enterprise Analytics

CAPACITY
OCPU 1 (Non-production)

Licensing ⓘ

License included
Subscribe to a new Analytics Cloud software license and the Analytics Cloud service.

Bring Your Own License (BYOL)
Bring my organization's middleware software license to the Analytics Cloud service. [Learn more](#) ✓

Network Access

☒ PUBLIC
Access from anywhere

☐ PRIVATE
Access from a Virtual Cloud Network only

☒ CONFIGURE ACCESS CONTROL RULES

TYPE
IP Address
IP Address
CIDR Block
Virtual Cloud Network

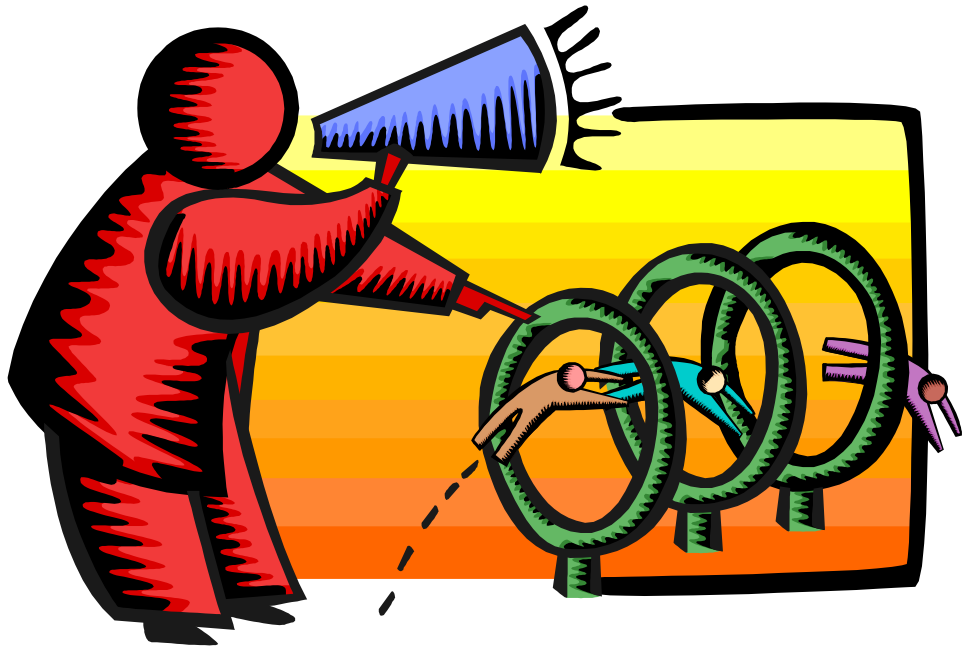
IP ADDRESS
Example: 137.254.16.101

+ Add Rule

Create [Cancel](#)



Demo Oracle Analytics New Features





Oracle Analytics Library

Data Visualization Cloud

Secure | https://www.oracle.com/solutions/business-analytics/data-visualization/library.html

Overview

Library

Gallery

Overview

Plug-ins

Sample Projects

Maps & Spatial


Machine Learning

Essbase Samples

Search

How to deploy Analytic Samples

sort by Last Updated



+


Presentation Variable Prompts

Oracle

April 18, 2018

Use this custom plugin to set the value of any presentation variable from within a DV canvas. Presentation variables allow to make dynamic columns or dynamic constants in any Oracle DV custom calculation

Download



+

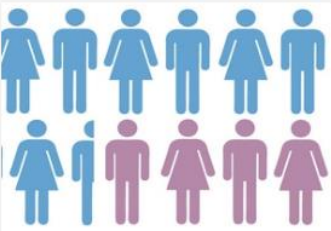
Custom Tiles

Oracle

April 05, 2018

The Custom Tile plugin allows users to frame rules for performing conditional formatting on a performance tile. The layout of the tile is highly flexible with large number of formatting options which makes it better for representing KPIs.

Download



+


InfoGraphic Sample Plugin

Peak Indicators

Mar 15, 2018

This Info Graphic sample plugin developed by PEAK indicators enables you to display nice info graphic visuals within Oracle DV. It supports the use of your own custom images. A number of properties that allow you to specify the icon to use, font size, look at icons only for a specific population etc make this a very compelling visualization.

Download



+


Mobile Grid Bars Plug-in

Oracle

Feb 05, 2018

Designed specifically for mobile devices highlighting the use of a variety of bar charts.


Download



+


Image Gallery Plug-in

Oracle



+

DV Governance



+

Force Directed Graph Plugin

Vlamiis

Jan 18, 2018

The Force Directed Graph plugin allows you to easily visualize hierarchical data. Each

Chat



Machine Learning Webinar Details

Machine Learning

- 22. Additional outputs for ML Models (5.6)
- 23. Register & Apply OML Models (5.7)
- 24. Database Analytics Operation (5.7)
- 25. Un-pivot, Sampling (5.7)
- 26. Dynamic Clustering, Dynamic Prediction (5.7)

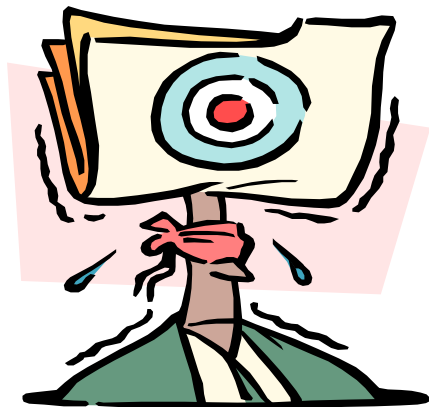
“Autonomous Machine Learning in Oracle Analytics: Enterprise Predictive Analytics for Everyone”

August 19, 12pm Central time

https://webinar.ringcentral.com/webinar/register/WN_COpKz4sgS-aDVM78a1uR2A.



Resources and Questions?



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Let us know if you want to know about future webinars!

VlamiS Home www.vlamiS.com Blog www.vlamiS.com/blog Prior OBIEE releases www.vlamiS.com/oaweinars

Blog article with links on Getting Started with Oracle Analytics <http://www.vlamiS.com/blog/2019/7/11/getting-started-with-oracle-analytics>

OAC What's New Documentation <https://docs.oracle.com/en/cloud/paas/analytics-cloud/acswn/index.html#ACSWN-GUID-CFF90F44-BCEB-49EE-B40B-8D040F02D476>

Oracle Analytics Library with plugins <http://bit.ly/OAClibrary> and demos <http://bit.ly/OACLIVE>

YouTube channel Oracle Analytics from SampleApp Team <https://www.youtube.com/user/EvolvingBI/videos>

YouTube video playlist on OAC 5.6 new features <http://bit.ly/OAC56Features>

YouTube video playlist on OAC 5.7 new features <http://bit.ly/OAC57Features>

Course on Oracle Analytics <https://www.udemy.com/course/augmented-analytics/>