



New Features in Oracle Analytics Cloud 18.3.3

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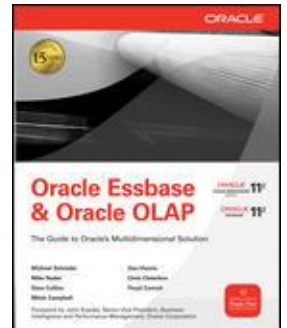
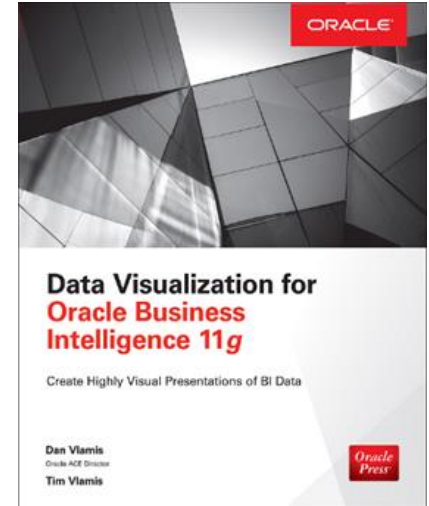
Vlamis Software Solutions

- Vlamis Software founded in 1992 in Kansas City, Missouri
- Developed 200+ Oracle BI and analytics systems
- Specializes in Oracle-based:
 - Enterprise Business Intelligence & Analytics
 - Analytic Warehousing
 - Data Mining and Predictive Analytics
 - Data Visualization
- Multiple Oracle ACEs, consultants average 15+ years
- www.vlamis.com (blog, papers, newsletters, services)
- Co-authors of book “Data Visualization for OBI”
- Co-author of book “Oracle Essbase & Oracle OLAP”
- Oracle University Reseller
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OBIEE, BICS, DVD, OAC 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](#)
 - New features mostly for Exalytics
- 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](#)
 - Trellis Views
- 11.1.1.7 (April 2013)
 - BIWA TechCast Apr 5 [Oracle BI 11.1.1.7 New Features](#)
 - Freeze headers/scroll bars for tables and pivot tables
 - View
 - content in SmartView in Excel and enhanced export
 - New Oracle R Enterprise (ORE) integration and capabilities
- 11.1.1.9 (May 2015)
 - BIWA TechCast Jun 4, 2015 [Oracle BI 11.1.1.9 New Features](#)
 - Search in Subject Areas pane
 - Global variables and Save Column As choice in Criteria tab
- 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](#)
- 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](#)

All listed on website at <http://www.vlami.com/obiwebinars/>



Use Questions or Chat or Questions to communicate

Oracle Business Intelligence X

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Presentations

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Presentations 2006
Presentations 2005
Presentations 2004
Presentations 2003
Presentations 2002
Presentations 2001

Oracle Business Intelligence Webinars

2018

- OAC 4
 - [Webcast January 16: Registration now open!](#)
 - Data limit truncation warnings
 - Narrate enhancements for groups
 - Data flow enhancements
 - Sequences for Data flows
 - Data flow scheduling
 - Renaming steps
 - Create Essbase cube step
 - BI Publisher consuming XSAs
 - Essbase new features
 - Admin / Console new features
 - Content embedding
 - Data replication
 - Email deliverables
 - Map Viewer console
 - Import / export TCM models

Oracle Business Intelligence Webinars

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12:53 PM: Test chat here

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Seeing is Believing
Webinar ID: 641-563-843
GoToWebinar

OAC 18.3.3 Selected New Features Overview

A. Data Preparation

1. Recommendations – Transformations & Enrichments
2. Data Preparation Scripts

B. Data Flows & Data Sources

3. Incremental Processing
4. Parameterized Sources & Output
5. Dataflow Branching Node
6. Function Shipping Calculations to BDC
7. Output Data Set Aggregation Control
8. Dataflow Status Inspector
9. Data Replication (New Sources & Targets)
10. Local Subject Area Data Set
11. Multiple ADWC Connections with dialog box

C. Data Visualizations

12. New Visualizations :
Grid Heatmap, Correlation Matrix, Picto Charts, 100% Stacked Bar, Area
13. Maps - Multiple Data Layers
14. Maps - Dynamic Heatmap
15. Maps – Google & Baidu base maps
16. Tool Tip Grammar Support
17. Experience Enhancements
 - Value as % for Treemap & Sunburst
 - Auto Save
 - Zoom to Value range for Axis
 - Copy Data to Clipboard
18. Publish Event Action to External Portal

D. Other

19. Data Set Replace

20. Explain Enhancements

21. Object Inspectors Consistency
22. Data Sets Permission-ing
23. Console Menu Reorganized
24. User Profile
25. Tableless Navigation
26. Data Set Storage Management
27. Search/Ask Improvements
28. Day by Day Improvements

D. BI Publisher

29. BIP Improvements

E. Essbase

30. Essbase Improvements

To be demoed in OAC 18.3.3 What's New Webcast

1 - Data Prepare Recommendations

All Recommendations

Preparation Script

- Add CustomerAccount Details
Uploaded from CustomerAccount Details...
- Obfuscate Update
Obfuscate First 12 Digits of ccnumber
- Extract Date Part
Extract Year from birthdate
- Extract Regex
Extract Parts_after_Part_1 from stre...
- Enrichment Insert**
Enrich city with Population
- Concatenate Columns
Concatenate firstname and lastname ...
- Enrichment Insert
Enrich zip with County
- Results

Apply Script

Select data or visual to display properties

Enrichment Insert - From Recommendation •

city	city_Population	state	zip	country	email	ccnumber
Douglasville	32897	GA	30134	US	DavidVVinson@mail.com	#####4782
Pittsburg	69424	CA	94565	US	JasonNWinget@yahoo.com	#####3975
Houston	2296224	TX	77036	US	OrvilleFColby@mail.com	#####0836
Washington	128	VA	20004	US	IvoryBThigpen@gmail.com	#####6962
Honolulu	371657	HI	96813	US	DavidAWilliams@att.net	#####2850
Sherman Oaks	52677	CA	91403	US	LeonaCMott@yahoo.com	#####1586
		NJ	08311	US	GilbertLClemons@gmail.com	#####17
		GA	31201	US	DanielLGould@att.net	#####1891
		IL	62701	US	MichelePFalk@yahoo.com	#####1891
Conroe	88802	TX	77301	US	TinaSTrejo@comcast.net	#####1709
Fargo	118523	ND	58102	US	RoslynJSchnieders@google.com	#####0134
Rochelle Park	5518	NJ	07662	US	ClarenceEWilliams@hotmail.com	#####9027
New York	8175133	NY	10005	US	MayJFoti@yahoo.com	#####2765
National City	61060	CA	92050	US	ChristopherCByrd@att.net	#####1088
Moscow	25060	ID	83843	US	DennisRCraig@hotmail.com	#####4945
Parmer		TX	79035	US	GordonYMartinez@gmail.com	#####0834
Graham	8865	TX	76046	US	MaryjaneLClawson@mail.com	#####0019
Phoenix	1563025	AZ	85033	US	KatherineEHenry@hotmail.com	#####6478
Brigham City	18752	UT	83402	US	ShellyPJohnson@google.com	#####3659
Harrisburg	49081	PA	17102	US	DollieLStafford@google.com	#####7011
New York	8175133	NY	10007	US	AndrewPCleveland@yahoo.com	#####6873

Recommendations (81)

All Columns
Select a column to filter list

- Obfuscate ccnumber
- Delete ccnumber
- Extract Month from ccexpires
- Extract Quarter from ccexpires
- Extract Quarter from ccexpires
- Extract Year from ccexpires
- Extract Part_1 from ccexpires
- Extract Part_2 from ccexpires
- Obfuscate ssn
- Delete ssn
- Obfuscate First 5 Digits of ssn
- Extract Part_1 from ssn
- Extract Part_2 from ssn
- Extract Part_3 from ssn

City Column Enriched with City Population

Recommendation to Obfuscate Credit Card Number

1 - Data Prepare Recommendations

Transformation Examples

Obfuscation (Mask)

Recommendations (87)
All Columns
Select a column to filter list

- ## Obfuscate ccnumber
- ||* Delete ccnumber
- ## Obfuscate First 12 Digits of ccnumber
- ## Obfuscate ssn
- ||* Delete ssn
- ## Obfuscate First 5 Digits of ssn

Extract Data Fields

Recommendations (87)
All Columns
Select a column to filter list

- Extract area_code from phone
- Extract Part_1 from phone
- Extract Parts_before_Part_3 from phone
- Extract Parts_after_Part_1 from phone
- Extract Day of Week from birthdate
- Extract Day of Month from birthdate
- Extract Day of Year from birthdate
- Extract Month from birthdate
- Extract Quarter from birthdate

Enrichment Examples

Geo or Generic enrichments

Recommendations (87)
All Columns
Select a column to filter list

- Concatenate lastname and firstname to last_first_name
- Concatenate firstname and lastname to first_last_name
- Enrich zip with City
- Enrich zip with Lat
- Enrich zip with Lon
- Enrich zip with State
- Enrich country with capital
- Enrich country with square_km

Recommendations (87)
All Columns
Select a column to filter list

- Enrich country with population
- Enrich city with Country
- Enrich city with Province
- Enrich city with Jurisdiction
- Enrich city with Population
- Enrich city with Elevation_Meters
- Enrich city with Timezone

< A firstname (2)

- Concatenate firstname and lastname to first_last_name
- Enrich firstname with gender

2 - Data Preparation Scripts

Preparation Script

Add CustomerAccount Details
Uploaded from CustomerAccount Details...

Obfuscate Update
Obfuscate First 12 Digits of ccnumber

Extract Date Part
Extract Year from birthdate

Extract Regex
Extract Parts_after_Part_1 from stre...

Enrichment Insert
Enrich city with Population

Concatenate Columns
Concatenate firstname and lastname...

Enrichment Insert
Enrich zip with County

Results

Apply Script

Select data or visual to display properties

Enrichment Insert - From Recommendation •

Edit

Formatted data

Create Project

city	city_Population	state	zip	country	email	ccnumber
Douglasville	32897	GA	30134	US	DavidVVinson@mail.com	#####4782
Pittsburg	69424	CA	94565	US	JasonNWinget@yahoo.com	#####3975
Houston	2296224	TX	77036	US	OrvilleFColby@mail.com	#####0836
Washington	128	VA	20004	US	IvoryBThigpen@gmail.com	#####6962
Honolulu	371657	HI	96813	US	DavidAWilliams@att.net	#####2850
Sherman Oaks	52677	CA	91403	US	LeonaCMott@yahoo.com	#####1586
Cedarville	12457	NJ	08311	US	GilbertLClemons@hotmail.com	#####0737
Macon	91351	GA	31201	US	DaniellGould@att.net	#####6277
Springfield	116565	IL	62701	US	MichelePFalk@yahoo.com	#####1891
Conroe	68602	TX	77301	US	TinaSTrejo@comcast.net	#####1709
Fargo	118523	ND	58102	US	RoslynJSchnieders@google.com	#####0134
Rochelle Park	5518	NJ	07662	US	ClarenceEWilliams@hotmail.com	#####9027
New York	8175133	NY	10005	US	MayJFoti@yahoo.com	#####2765
National City	61060	CA	92050	US	ChristopherCByrd@att.net	#####1088
Moscow	25060	ID	83843	US	DennisRCraig@hotmail.com	#####4945
Parmer		TX	79035	US	GordonYMartinez@gmail.com	#####0834
Graham	8865	TX	76046	US	MaryjaneLClawson@mail.com	#####0019
Phoenix	1563025	AZ	85033	US	KatherineEHenry@hotmail.com	#####6478
Brigham City	18752	UT	83402	US	ShellyPJohnson@google.com	#####3659
Harrisburg	49081	PA	17102	US	DollieLStafford@google.com	#####7011
New York	8175133	NY	10007	US	AndrewPCleveland@yahoo.com	#####6873

Recommendations (81)

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Obfuscate ccnumber

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Extract Month from ccexpires

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Extract Quarter from ccexpires

Extract Year from ccexpires

Extract Part_1 from ccexpires

Extract Part_2 from ccexpires

Obfuscate ssn

Delete ssn

Obfuscate First 5 Digits of ssn

Extract Part_1 from ssn

Extract Part_2 from ssn

Extract Part_3 from ssn

ORACLE

See demo of this in [playlist](#)


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3 - Data flow - Incremental Processing

Run dataflows on Incremental data based on **New Data Identifier** column instead of running the same dataflow on already processed data




Cloud_Flow

Add Data - CLOUD_F_BILL_REV

Data Set  CLOUD_F_BILL_REV

Description External Data Set

When Run ☐ Prompt to select Data Set

 Oracl...  Filter  CLO...

Name CLOUD_F_BILL_REV

Description External Data Set

Connection Oracle Database

Data Access Automatic Caching

New Data Indicator ORDER_KEY

Cloud_Flow

Save Data

Data Set Fact Revenue

Description

Save data to Database Connection

Connection Select connection

Table FACT_REVENUE

When run Replace existing data

When Run Replace existing data
Add new data to existing data

New data is identified based on New Data Identifier column (Unique Key)

4 - Data flow - Parameterized Input/Output

Cloud_F_... Add Columns Save Data

Add Data - CLOUD_F_BILL_REV

Data Set CLOUD_F_BILL_REV

Description External Data Set

When Run ☒ Prompt to select Data Set

Parameter

Name Target - CLOUD_F_BILL_REV

Prompt Choose Fact Revenue

Parameterization of
Input to the dataflow

Cloud_F_... Add Columns Save Data

Save Data Set

Data Set Target Revenue

Description

Save data to Data Set Storage

When Run ☒ Prompt to specify Data Set

Parameter

Name Revenue Output

Prompt Enter Output Name

Name	Treat As	Default Aggregation
TIME_BILL_DT	Attribute	
ADDR_KEY	Measure	Sum
CHANNEL_NAME	Attribute	
COST_FIXED	Measure	Sum
COST_VARIABLE	Measure	Sum
CUST_NUM		
DISCNT_V		
ORDER_KEY		
ORDER_ST		

Parameterization
of Output dataset

Type	Name	Status
DF	Revenue by City	

Run

Open

Open in a New Tab

New schedule

Inspect

Delete

Dataflow Prompt

This data flow contains parameters for which you can either use default values, or define alternate values below.

Sources

Choose Fact Revenue

Target - CLOUD_F_BILL_REV CLOUD_F_BILL_REV

Targets

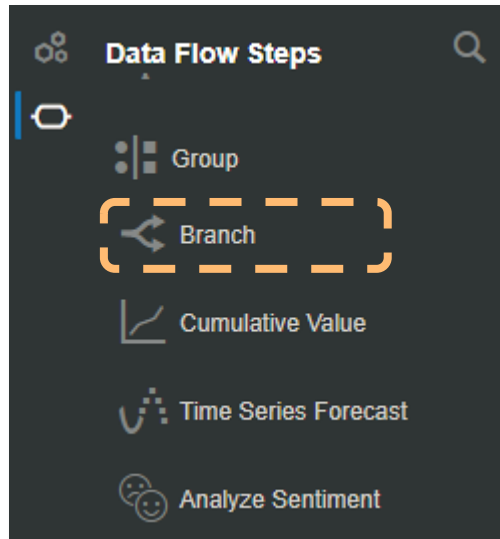
Enter Output Name

Revenue Output Target Revenue

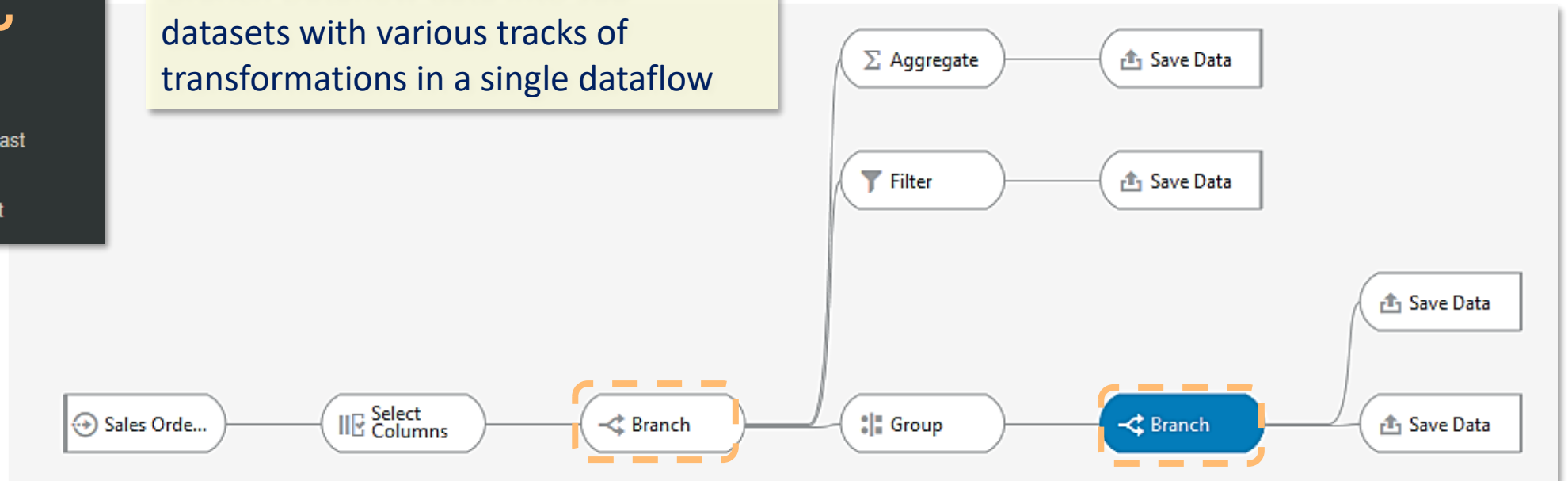
OK Cancel

Prompt to assign Input
datasource and Output
datasource to Dataflow

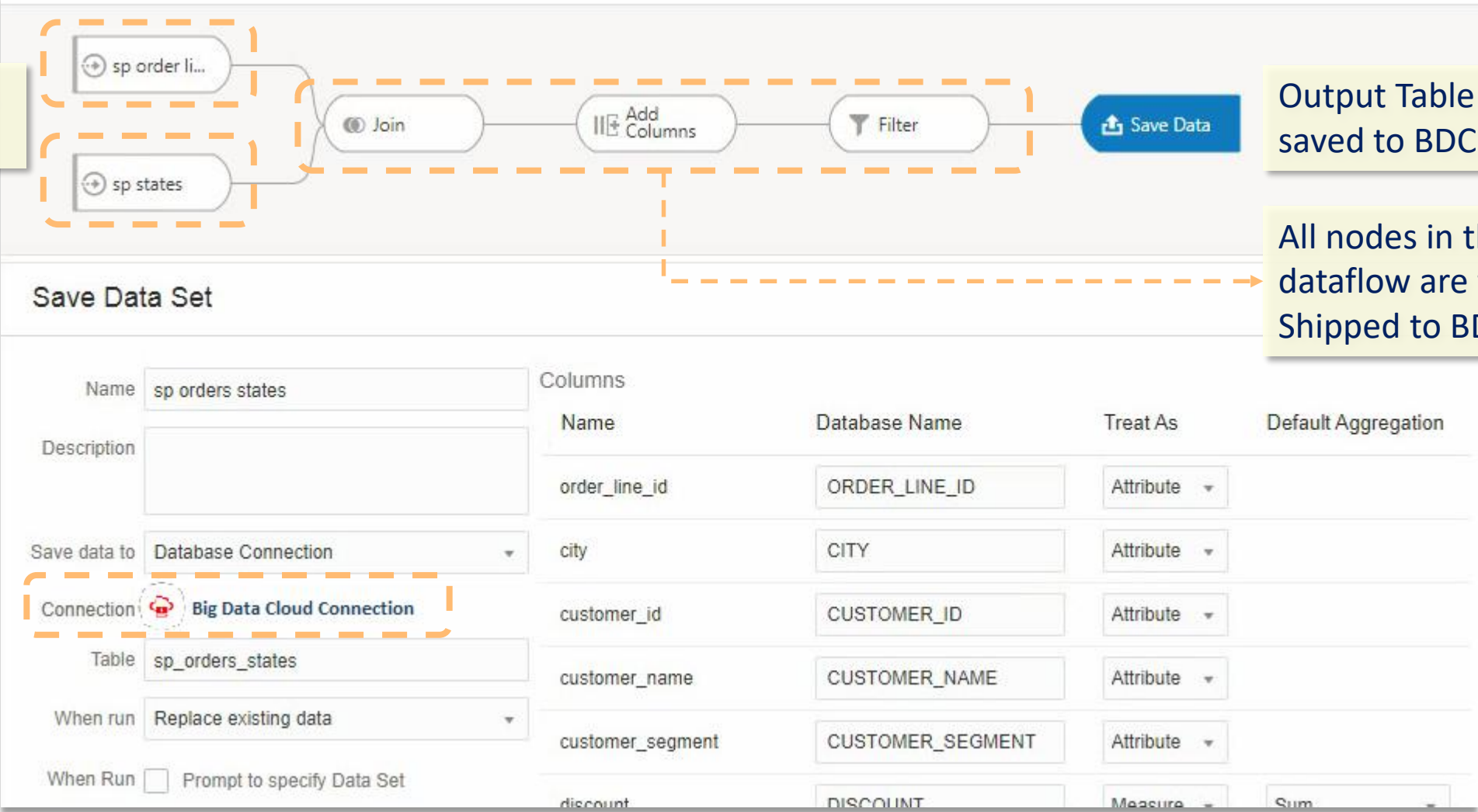
5 - Data flow - Branching Node



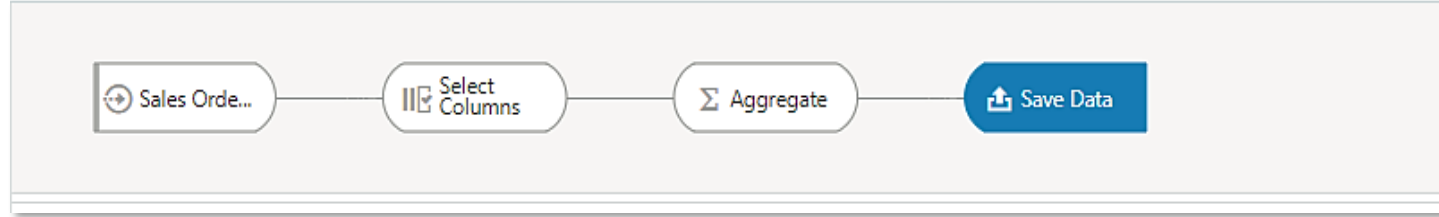
Branch Dataflow data into sub-datasets with various tracks of transformations in a single dataflow



6 - Data flow - Function Shipping Calculations to BDC



7 - Data flow - Output Dataset Control



Save Data Set

Name	Regional Sales Data		
Description			
Save data to	Database Connection		
Connection	Localhost_DB		
Table	Regional_Data		
When run	Replace existing data		
When Run	<input type="checkbox"/> Prompt to specify Data Set		

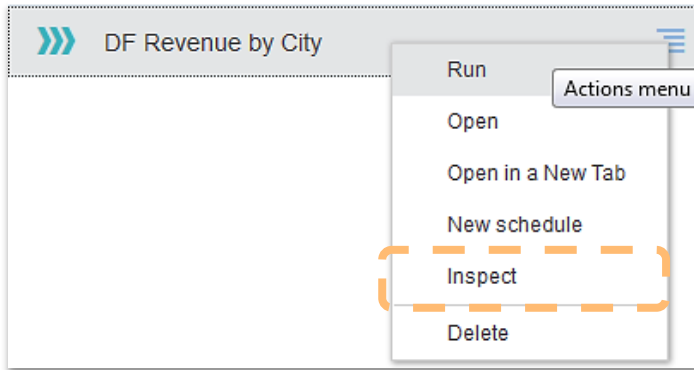
Name	Database Name	Treat As	Default Aggregation
Order Priority	ORDER_PRIORITY	Attribute	
Customer ID	NO_OF_CUSTOMERS	Measure	Sum
Customer Segment	CUSTOMER_SEGMENT	Attribute	
City	CITY	Attribute	
Product Category	PRODUCT_CATEGORY	Attribute	
Product Sub Category	PRODUCT_SUB_CATEG	Attribute	
Product Container	PRODUCT_CONTAINER	Attribute	
Profit	PROFIT	Measure	Sum
Quantity Ordered	QUANTITY_ORDERED	Measure	
Sales	SALES	Measure	

Users set output Columns with Attribute or Measure property

Users set edit column names in output table

Users can decide the Default Aggregation rule of a Metric column

8 - Data flow - Properties Inspector



Shows information about the dataflow.

»» DF Revenue by City
Data Flow

Close Save

General

Schedules

Name

DF Revenue by City

Description

This is a ~~dataflow~~ to compute Revenue metrics by City

Created By

admin

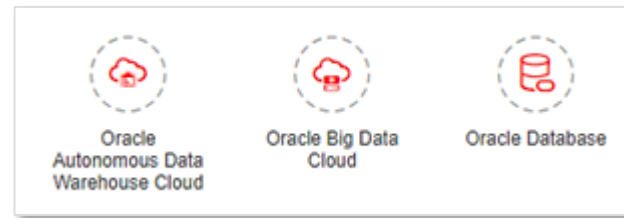
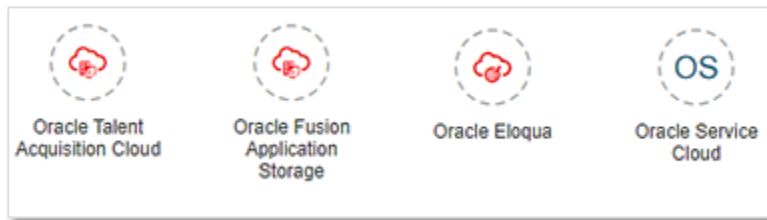
Modified By

admin Just now

»» DF Revenue by City Data Flow				Close	Save
General	Name	Frequency	Next Start Time		
Schedules	dataflow-'admin'.'DF Revenue by City'				
	DF Revenue by City_2	Weekly			

Schedules on a Dataflow can be removed from the Schedules sub-tab in Inspector

9 - Data Replication



Replication Source

Connection: Taleo Test Connection Select... Schema: Performance 17.00

Replicate Objects

Available Selected Select All Search

- ☐ BusinessOrganizationLevel
- ☐ BusinessOrganizationSequence
- ☒ BusinessPeriod
- ☐ BusinessProject
- ☐ BusinessTheme
- ☐ Candidate
- ☐ Certification

Show Data Store Paths

Replication Target

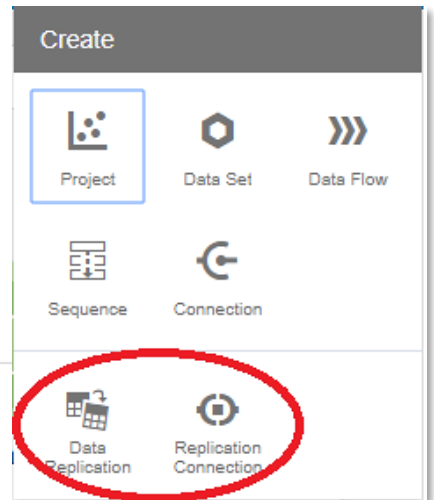
Connection: OracleDBConnection Select... Schema: BICS_DONATIONS

Target Object Name: BUSINESSPERIOD Load Type: Full

Add Filter

☒ Replicate From 05/01/18

<input checked="" type="checkbox"/> Source	Target	Data Type	Length	Precision	Scale	Nullable	New Data Identifier
<input checked="" type="checkbox"/> Code	CODE	Text	4000			<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/> Name	C_NAME	Text	4000			<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/> Active	ACTIVE	Boolean				<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/> Base	BASE	Boolean				<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/> EndDate	ENDDATE	Date				<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/> StartDate	STARTDATE	Date				<input type="checkbox"/>	<input type="checkbox"/>



Replicate data automatically out of Oracle Cloud applications into local DV Datasets

10 - Local Subject Area Data Set

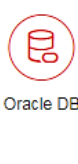
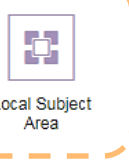
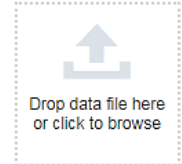
Easily create local datasets directly out of any Subject Area in your OAC system

The screenshot displays the 'Local Subject Area' configuration window for 'SampleApp'. The interface includes a top bar with 'Local ...', 'Filter', and 'Samp...' buttons, and a 'Name' field set to 'SampleApp'. The main area shows a tree view of subject areas under 'Local Subject Area > SampleApp'. The 'Revenue Metrics' folder is expanded, showing sub-folders like 'Revenue', 'Profit Metrics', 'Advanced Calcs', 'Time', 'Customers', 'Payment Metrics', 'Products', and 'Geography'. The 'Revenue' folder is selected, and its columns are listed in the 'Selections (5)' panel: 'Cust Name', 'Revenue', 'Product', 'Brand', and 'Year'. Below the selection panel, a table displays the data for the selected columns.

Revenue	Product	Brand	Year
4,501.46	CompCell RX3	BizTech	2013
41.77	Game Station	FunPod	2012
540.59	Game Station	FunPod	2013
224.12	PocketFun ES	FunPod	2012

Create Data Set

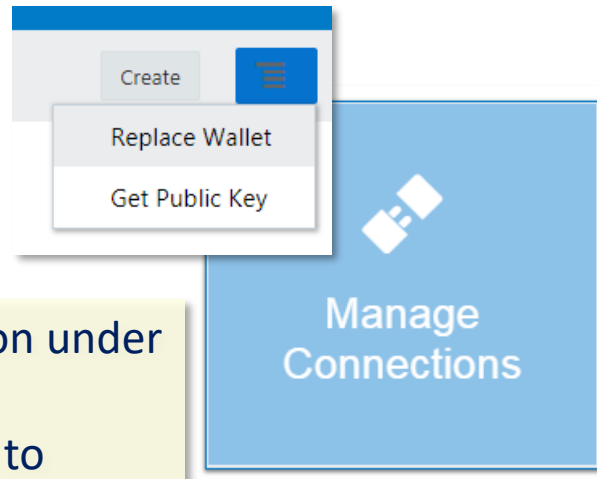
From a File, Subject Area, or Connection



Create Connection

11 – Easy Access to Multiple ADWC Connections

Easily upload distinct wallet files for each ADWC new connection, create connections to multiple ADWC sources.

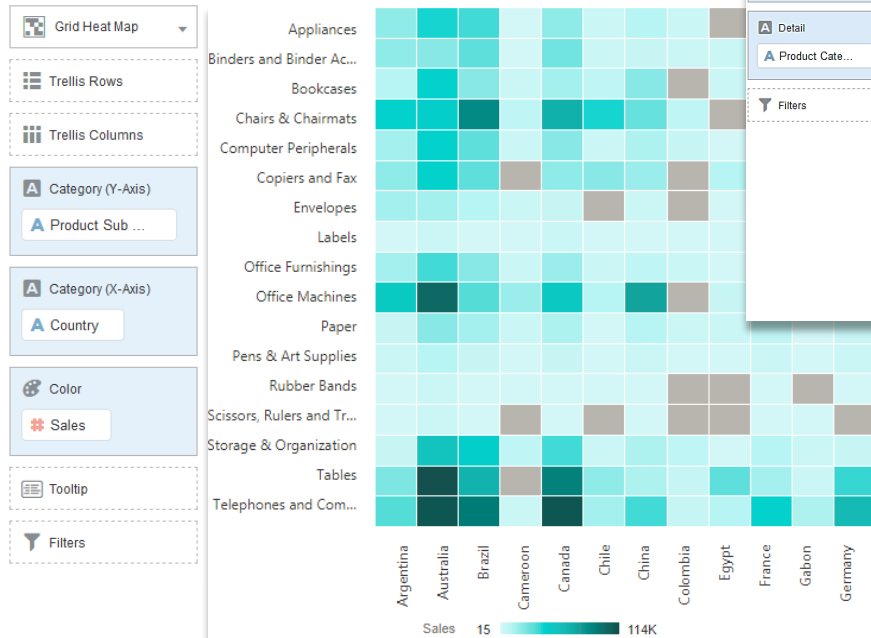


Replace Wallet option under *Console > Manage Connections* applies to RPD/TCM connections

A screenshot of the 'Create Connection' form for Oracle Autonomous Data Warehouse Cloud. The form has a title bar with a back arrow and the text 'Create Connection'. Below the title bar is a red cloud icon with a keyhole. The form contains several fields: 'Connection Name', 'Description', 'Host', 'Port', 'Client Credentials' (with a 'Select...' button), 'Username', 'Password', and 'Service Name'. The 'Client Credentials' field is highlighted with an orange dashed border. At the bottom right are 'Save' and 'Cancel' buttons.

12 - New Vizs - Grid Heat Map, Correlation Matrix, Picto

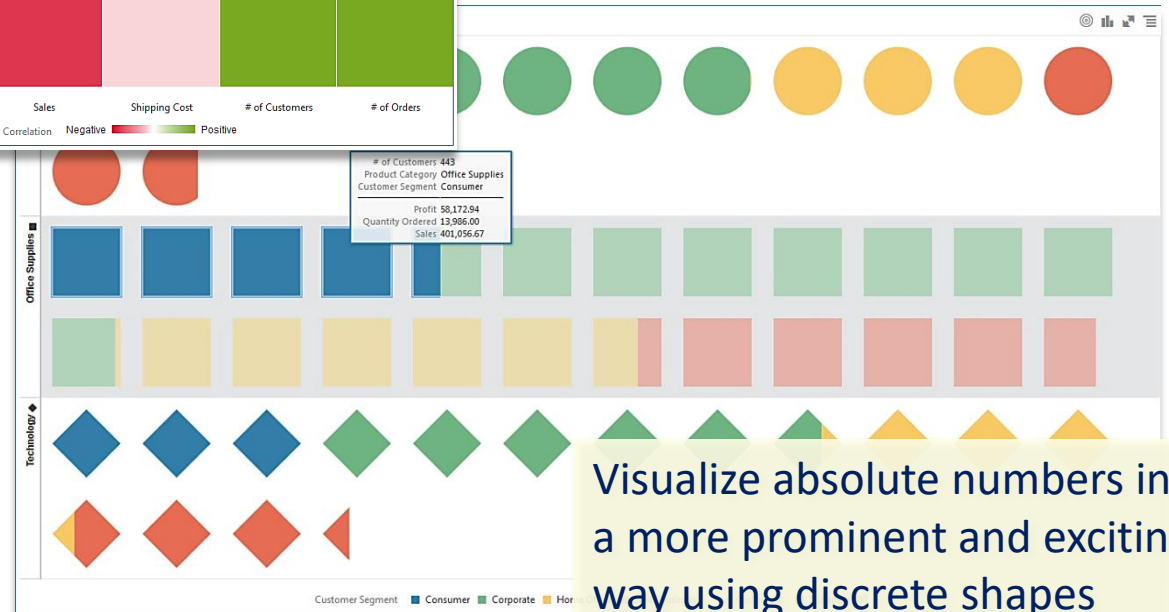
Grid Heat Map visualizes Metric value for a combination of two columns as matrix of colors.



Correlation Matrix Visualizes correlation between multiple metric columns at once



Visualize absolute numbers in a more prominent and exciting way using discrete shapes



12 - New Viz - 100% Stacked charts

100% Stacked Bar

Trellis Columns

Trellis Rows

Values (Y-Axis)

Sales

Category (X-Axis)

Order Date (Y...

Color

Continent

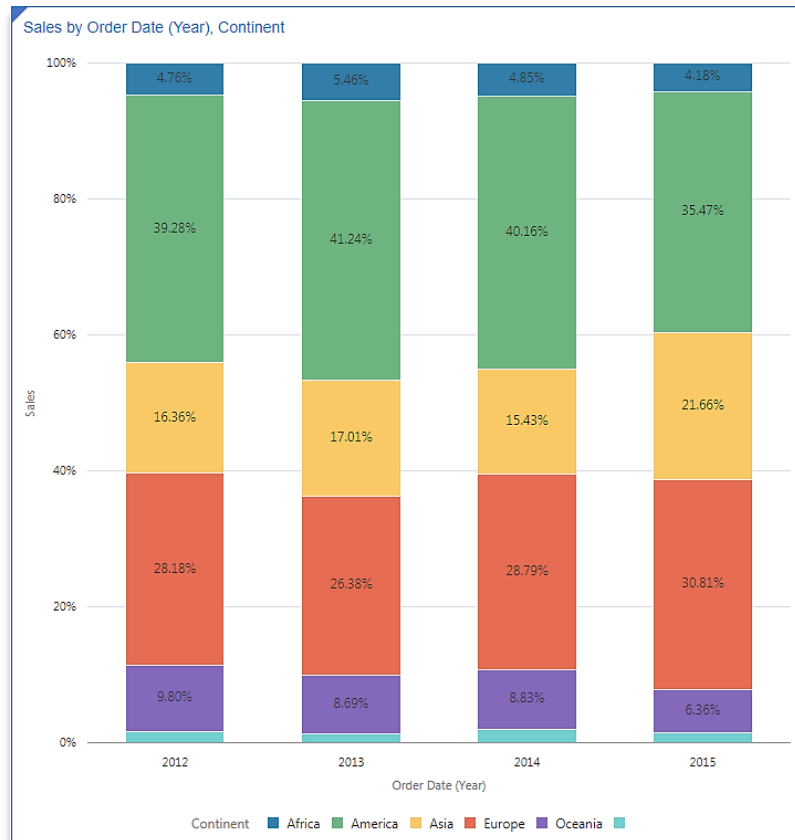
Size (Width)

Tooltip

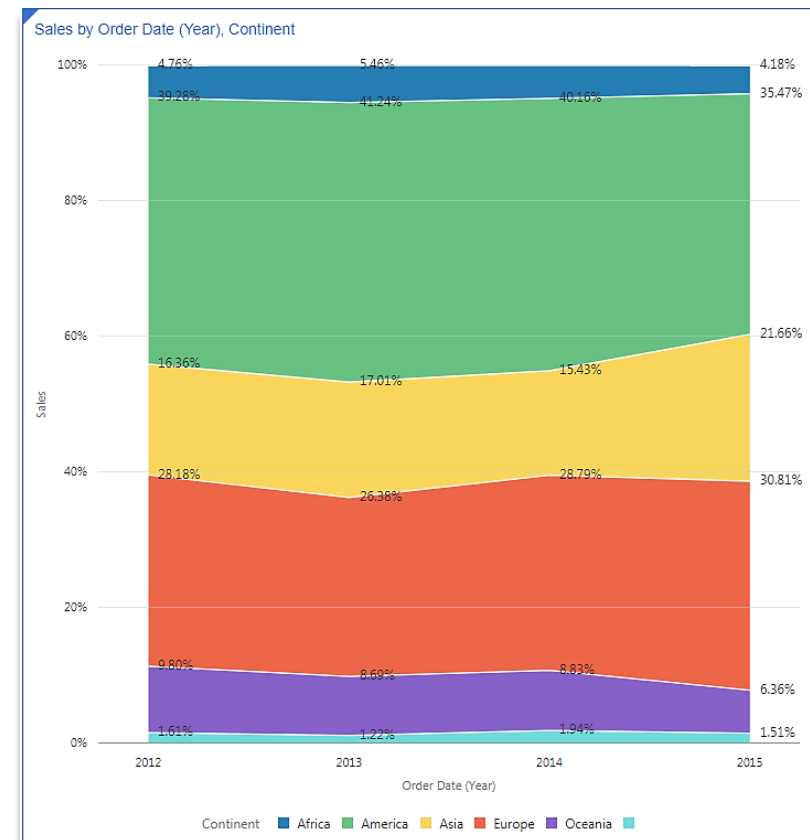
Detail

Filters

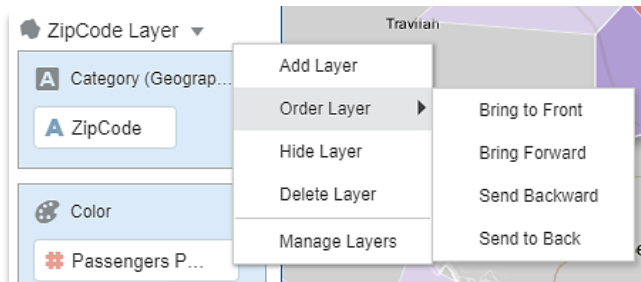
100% Stacked Bar



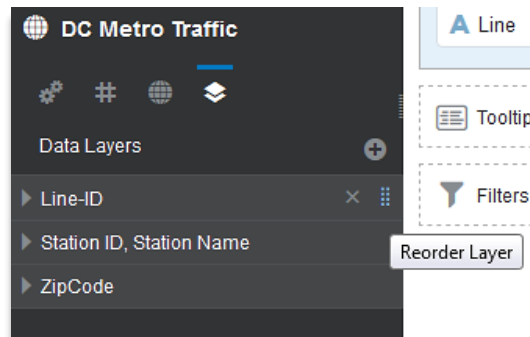
100% Area chart



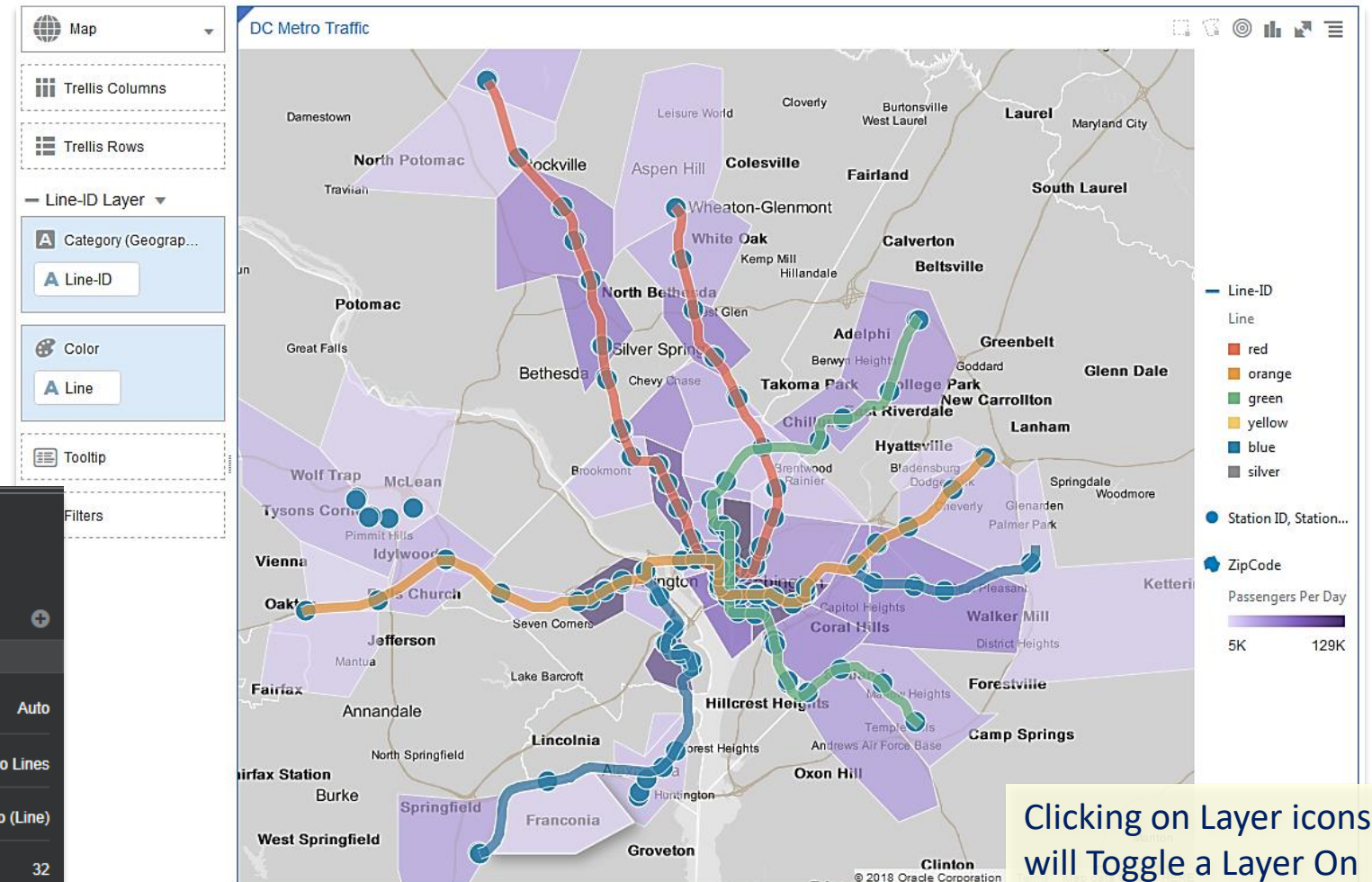
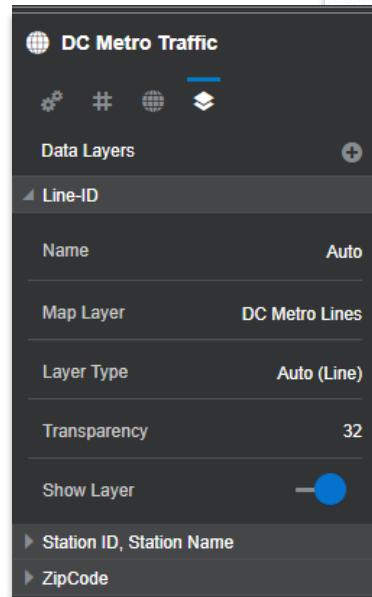
13 - Maps - Multiple Data Layers



Menu to manage Map Layers

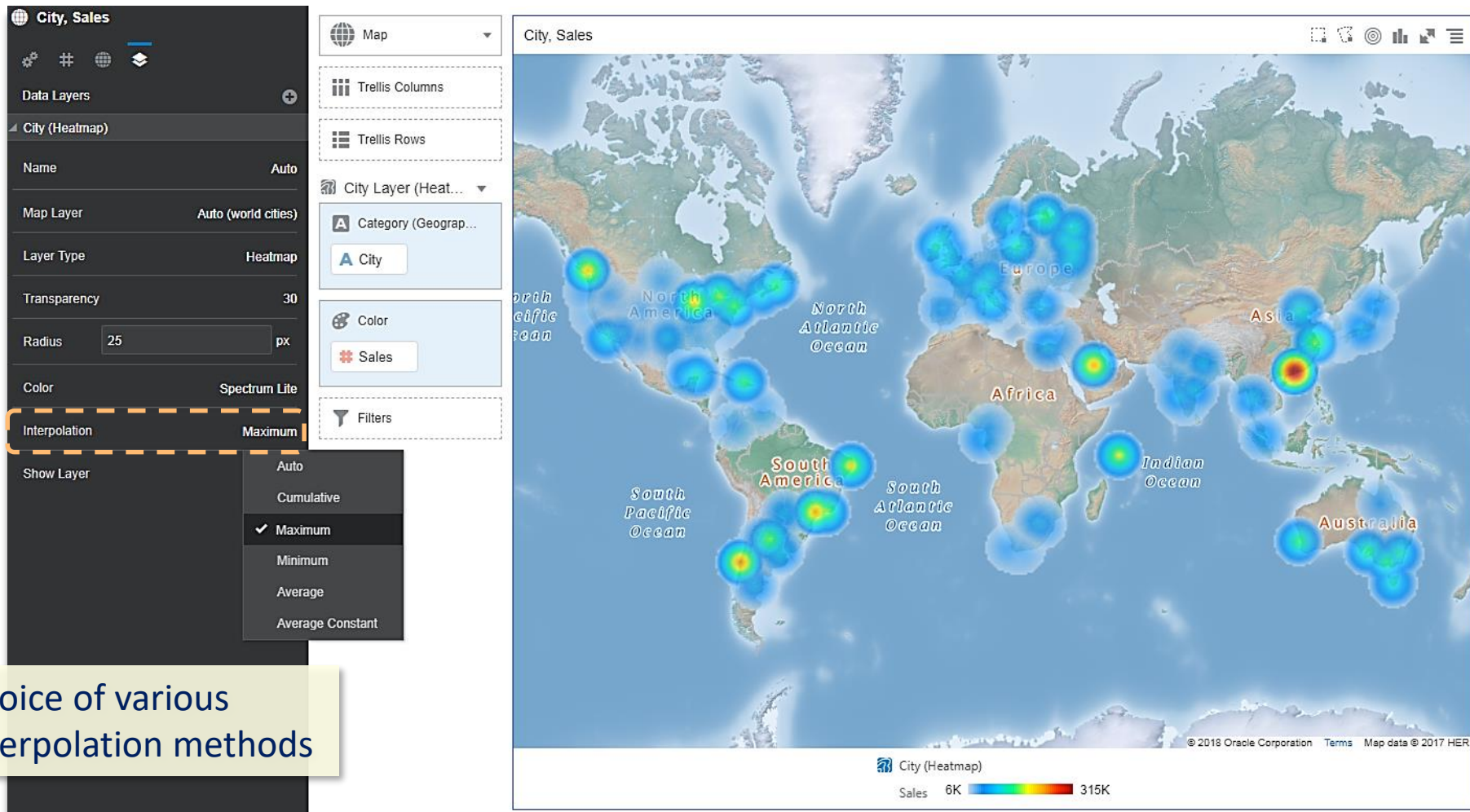


Layers Properties

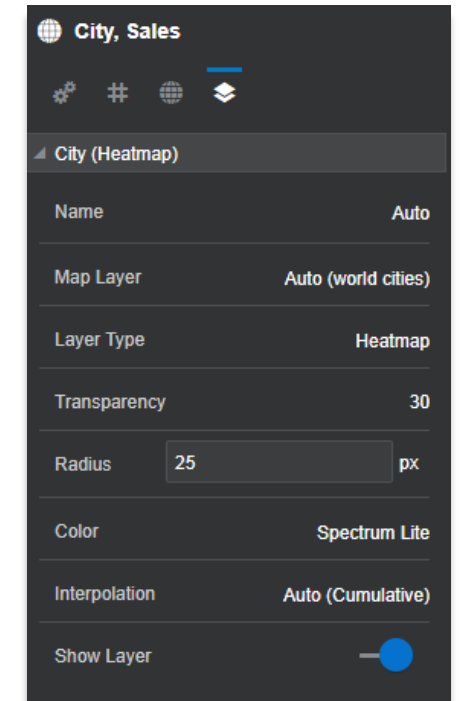


Clicking on Layer icons will Toggle a Layer On or Off

14 - Maps – Density and Metric based Heatmap



Choice of various interpolation methods



Fine controls for heat radius, color spectrum, transparency etc

15 - Maps - Background Maps

✖ Console

Extensions

Maps

Social

Search Index

Jobs

Safe Domains

Service Administration

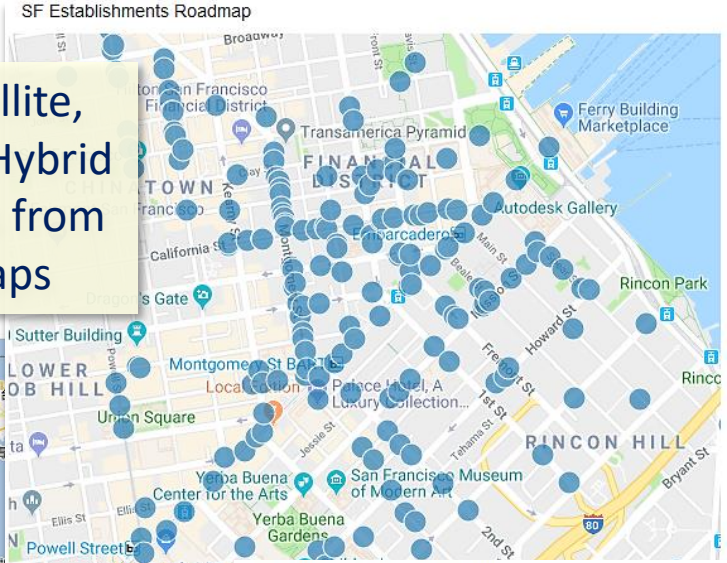
Map Backgrounds

Map Layers

Default	Include	Name
	✓	Oracle BI
	✓	Oracle Maps
+ Add Background		
		Google Maps
		Baidu Maps

Baidu and Google Maps

Road, Satellite, Terrain & Hybrid Map types from Google Maps



City, Sales

Color

Map

Zoom Control

Scale

Repeat Background

Background Map

Default Map Type

Default

Thematic

Oracle BI

Oracle Maps

✓ Google Maps

Manage Map Backgrounds

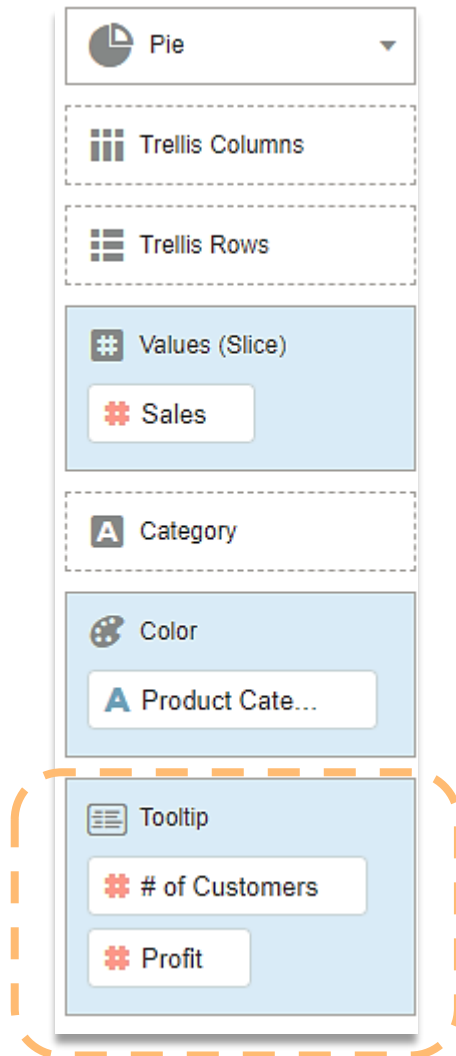
Google Maps

Road

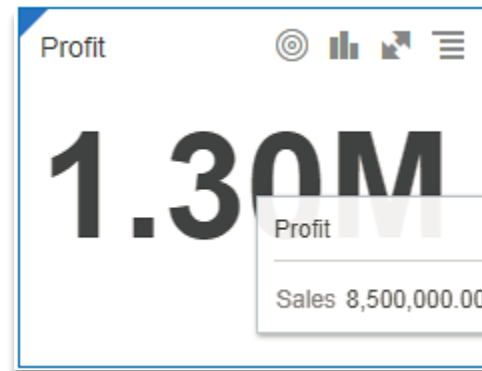
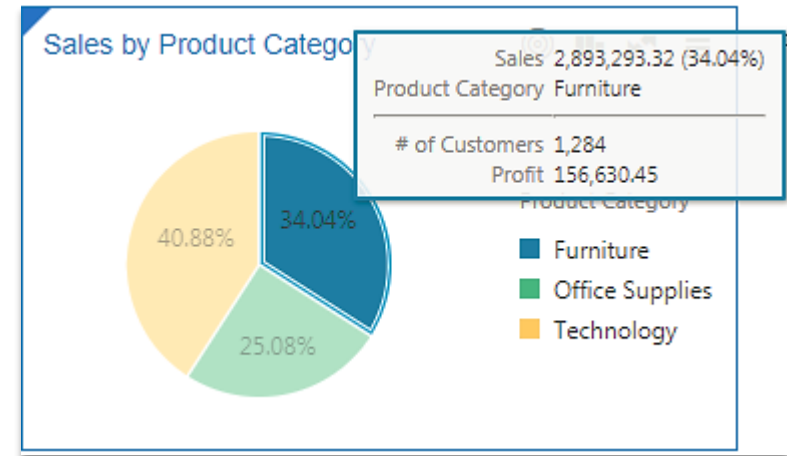


See demo of this in [playlist](#)

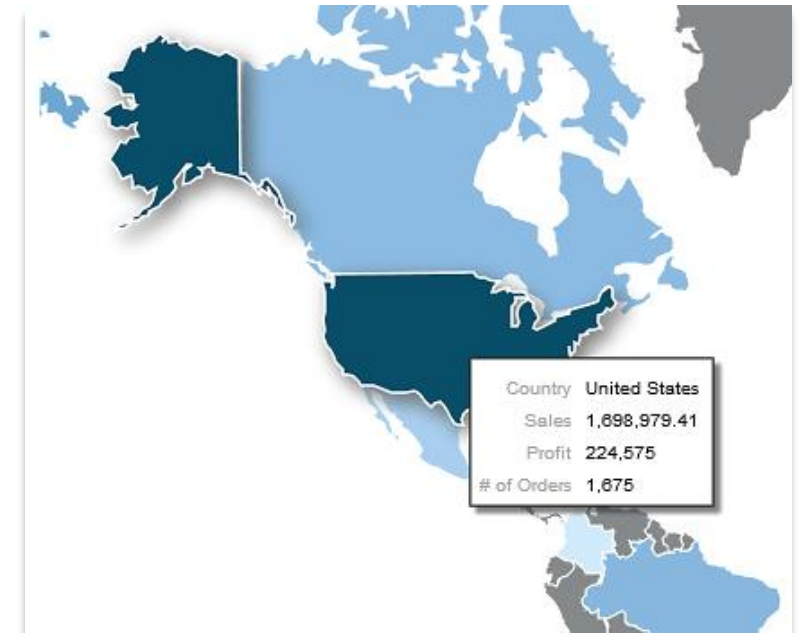
16 - Tooltips Support in all Vizs



Metric columns added in Tooltip field are displayed when user hover over visualization



Users can add Measure columns to Tooltip Grammar field



17 - Value as Percent for Treemap, Sunburst

Display Data Values with
Value, Percent, Label on
each segment

Sales by Product Category,...

Values

Data Values

Percent of Group

Sales

Aggregation Method

Number Format

Percent, Value, Label

✓ Percent

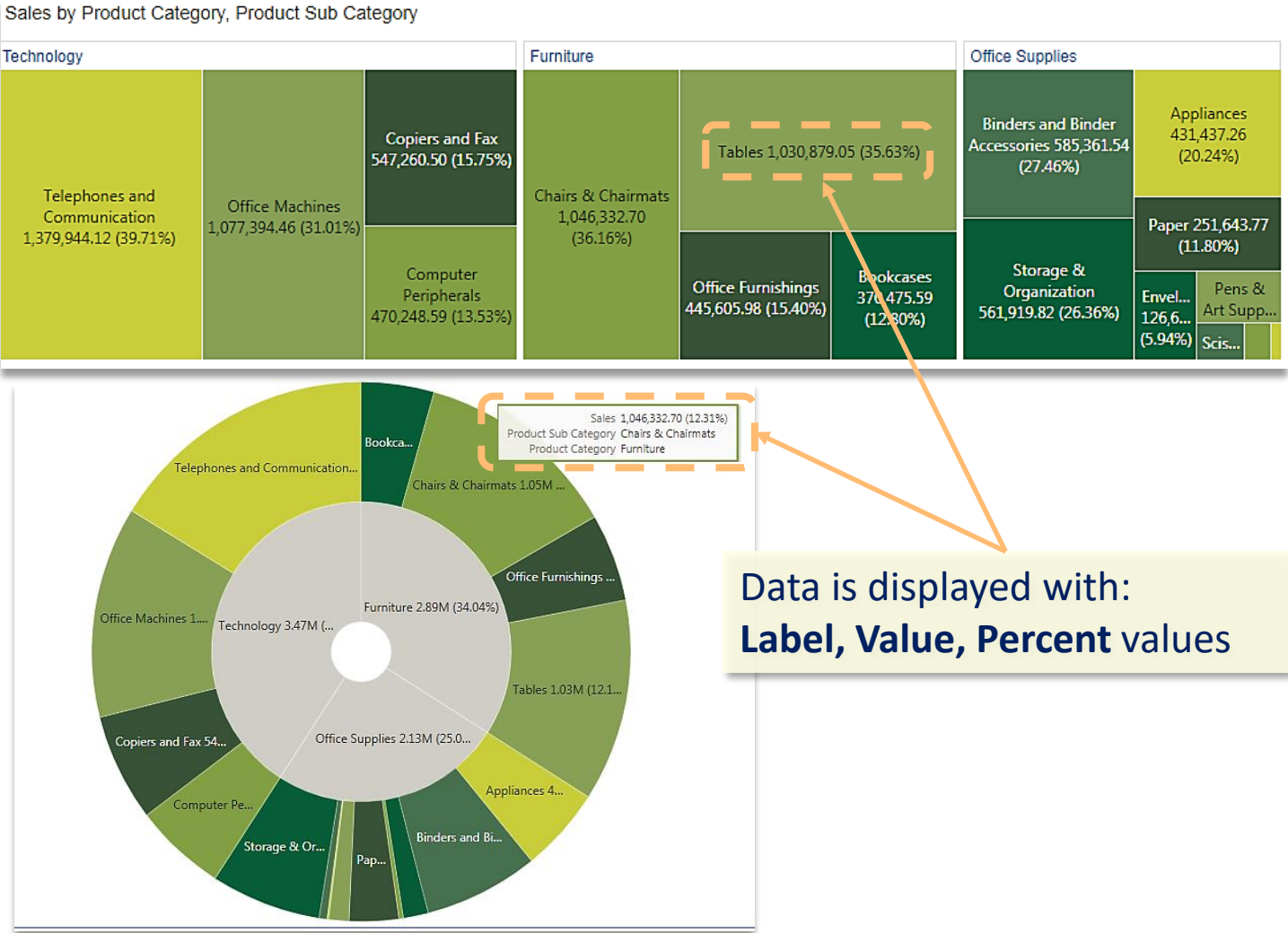
✓ Value

✓ Label

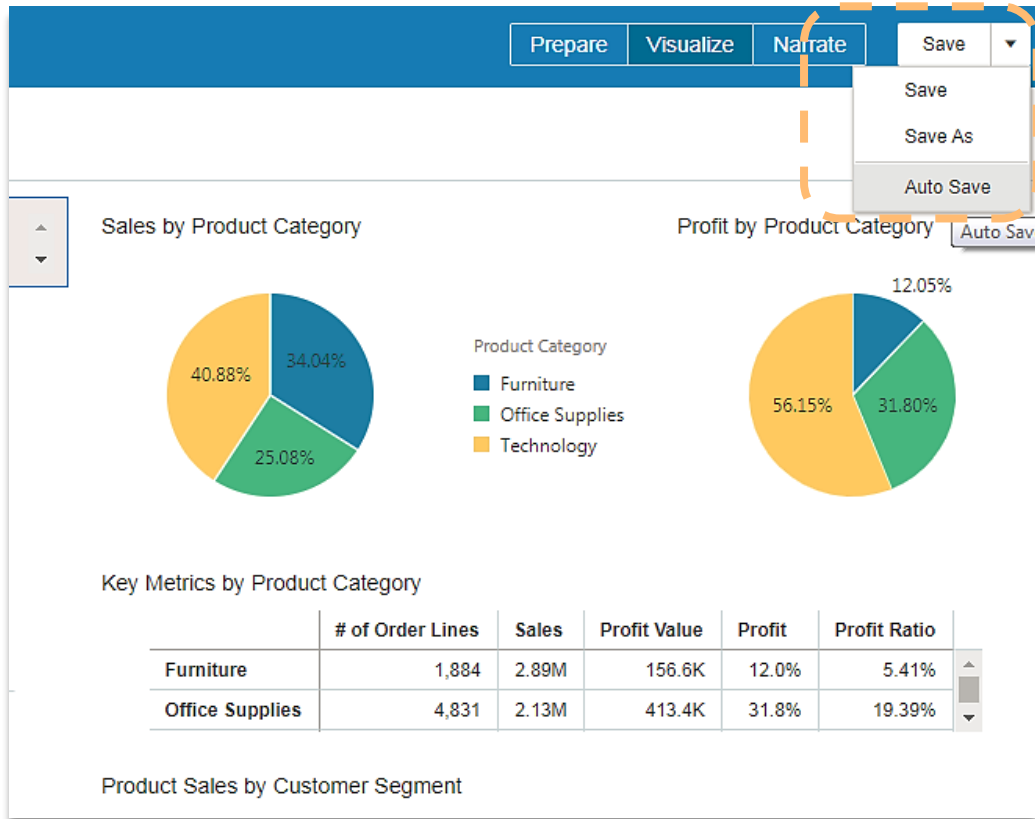
On

Auto

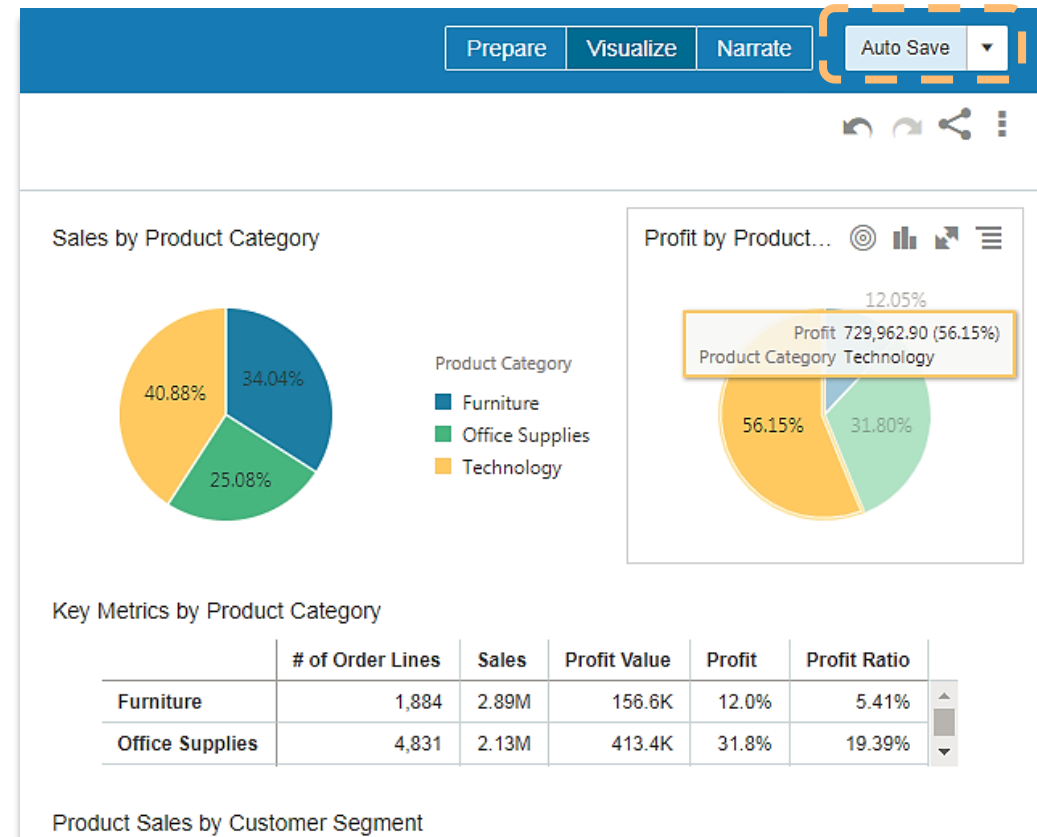
Auto



17 - Auto Save



Auto Save option Saves a project automatically with every change made to the project



17 - Reference Line Options / Axis limits

Reference

Average

Method

Line

Function

Average

Trellis Scope

✓ Average

Median

Minimum

Maximum

Percentile

Top N

Bottom N

Constant

New Reference line options like Average, Median, Minimum, Top N, Bottom N are available from OAC V4.2

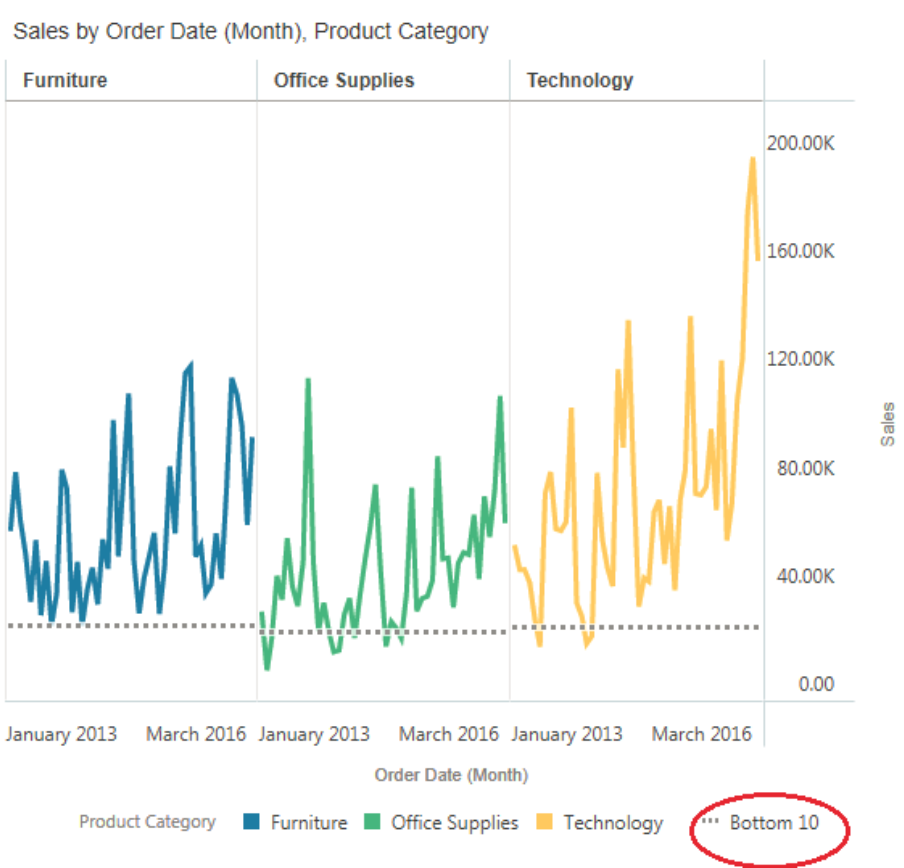
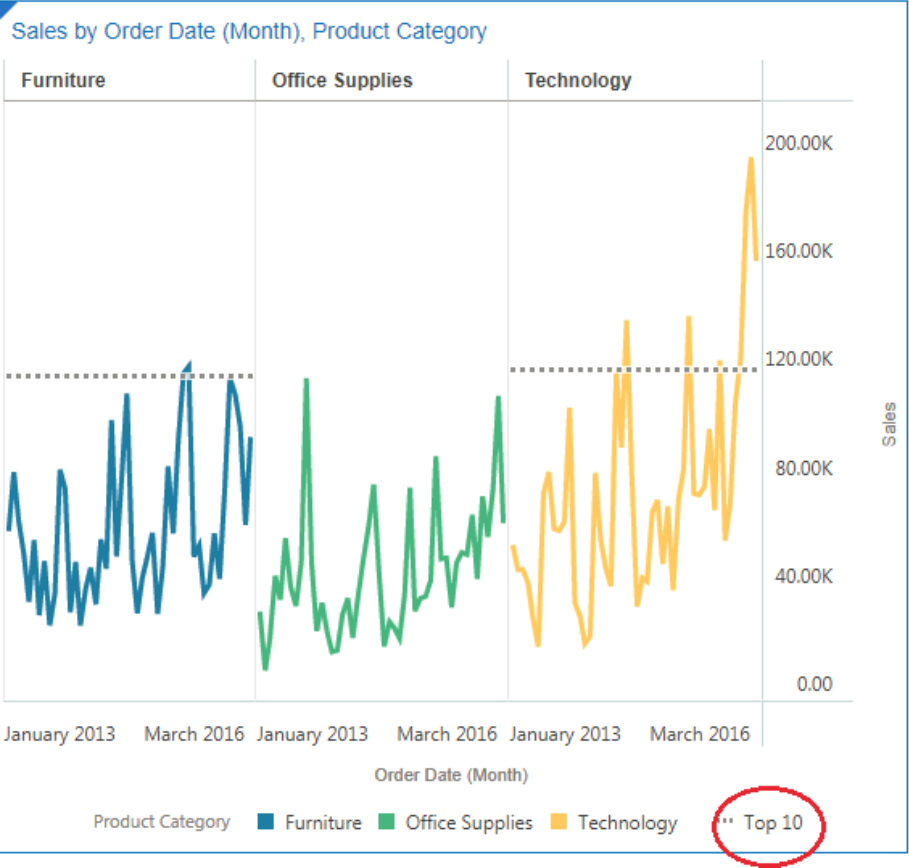
Automatic Zoom to data value for axis ranges

✓ Auto

Min Data

Max Data

Custom



Non-zero OK for Line, not OK for Bar



17 - Copy Data to Clipboard

Donut

Trellis Columns

Trellis Rows

Values (Slice)

Sales

Category

Color

Product Cate...

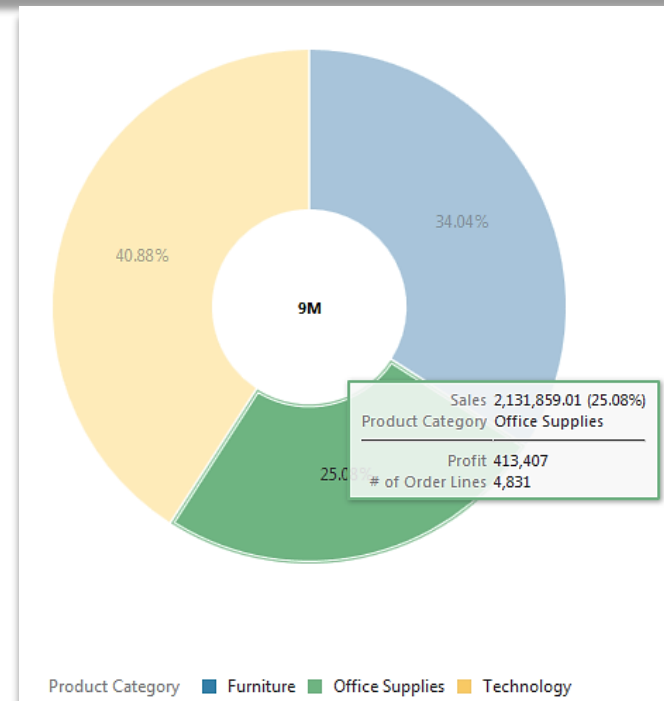
Tooltip

Profit

of Order Lines

Filters

	# of Order Lines	Sales	Profit
Furniture	1,884	2,893,293.32	156,630.45
Office Supplies	4,831	2,131,859.01	413,406.65
Technology	2,285	3,474,847.67	729,962.90
Total	9,000	8,500,000.00	1,300,000.00



Undo (Ctrl+Z)

Drill ...

Add Clusters

Add Outliers

Use as Filter

Hide Value Labels

Duplicate Visual

Copy Visual

Copy Data to Clipboard

Delete Visual

Canvas Layout

	A	B	C	D
1	Product Category	ofOrderLines	Sales	Profit
2	Furniture	1884	2893293.32	156630.45
3	Office Supplies	4831	2131859.01	413406.65
4	Technology	2285	3474847.67	729962.9
5	Grand Total	9000	8500000	1300000

18 - Publish Event Action to External Portal

Profit by Customer Segment, Product Sub Category

	Appliances	Binders and Binder Accessories	Bookcases	Chairs & Chairmats	Computer Peripherals
	Profit	Profit	Profit	Profit	Profit
Consumer	12,396.93	31,183.43	7,338.96	45,387.43	10,421.43
Corporate	49,034.36	80,544.00	-4,391.16	38,240.69	30,255.76
Home Office	24,348.58	40,343.82	-18,667.43	35,273.00	13,783.03
Small Business	22,526.87	52,520.89	-3,452.40	30,510.48	14,137.65

Configuring Data Actions

Project Properties

Actions

DataAction from DV


NameDataAction from DV

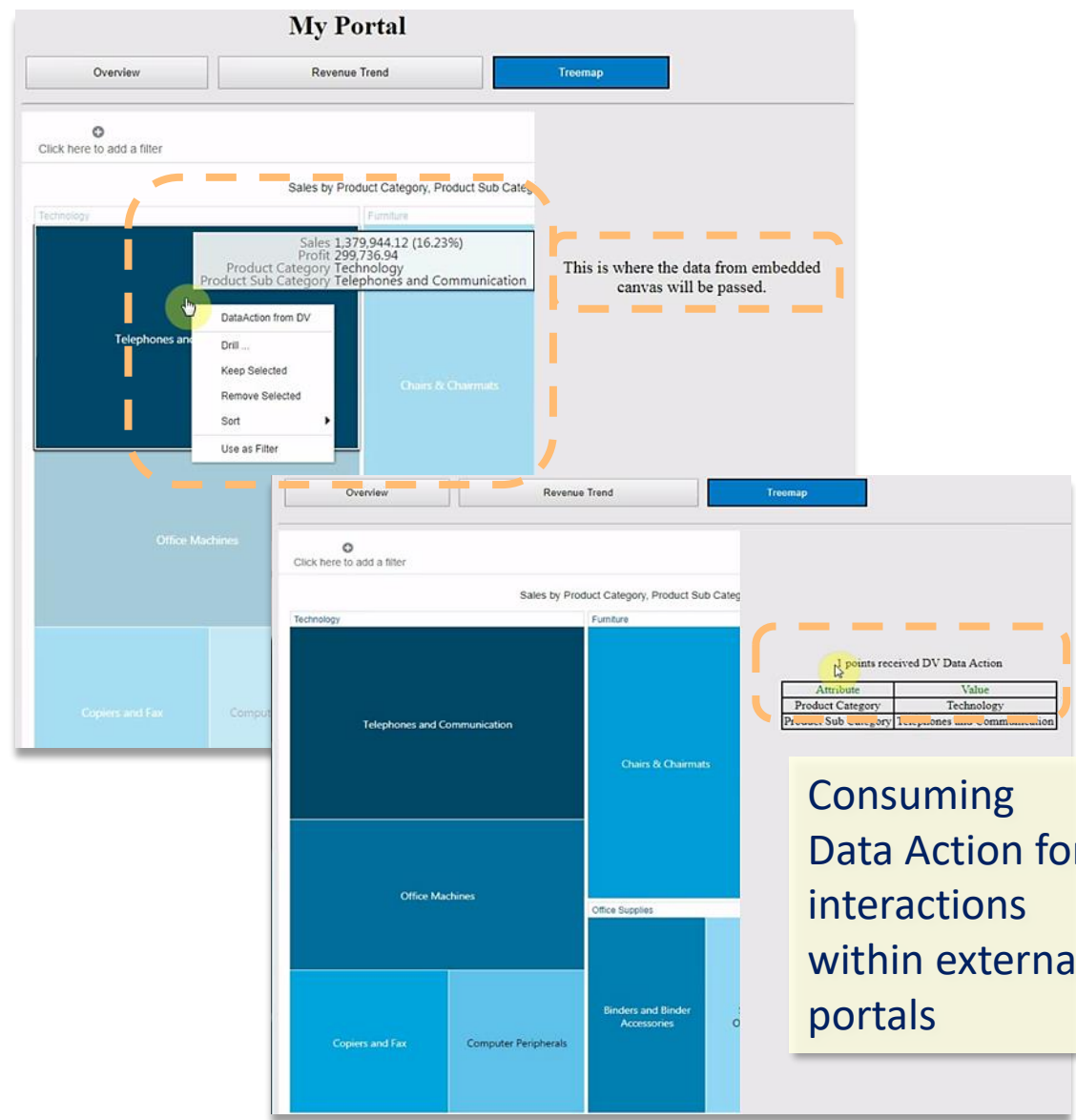
TypePublish Event

Anchor ToProduct Sub Category

Event NameEvent from DataAction

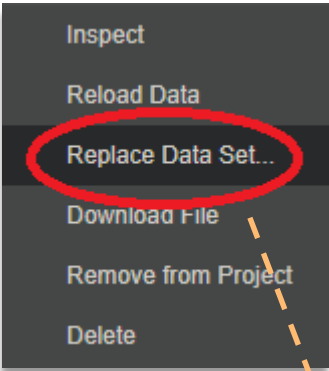
Pass ValuesAll

 Cancel

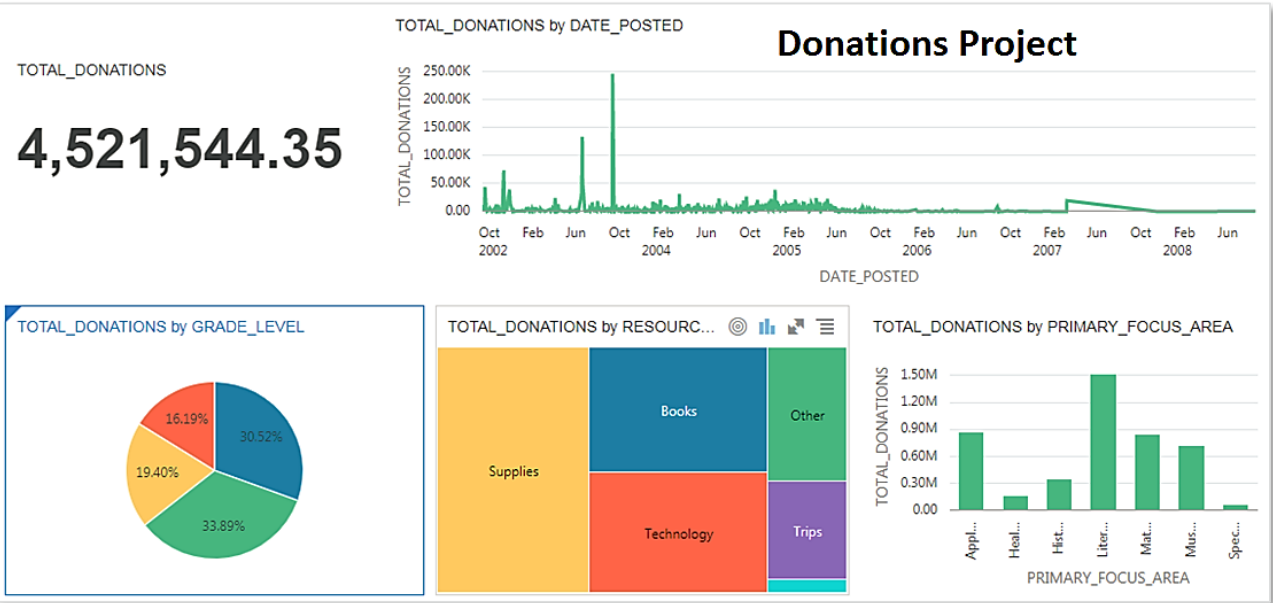


Consuming Data Action for interactions within external portals

19 - Data Set Replace

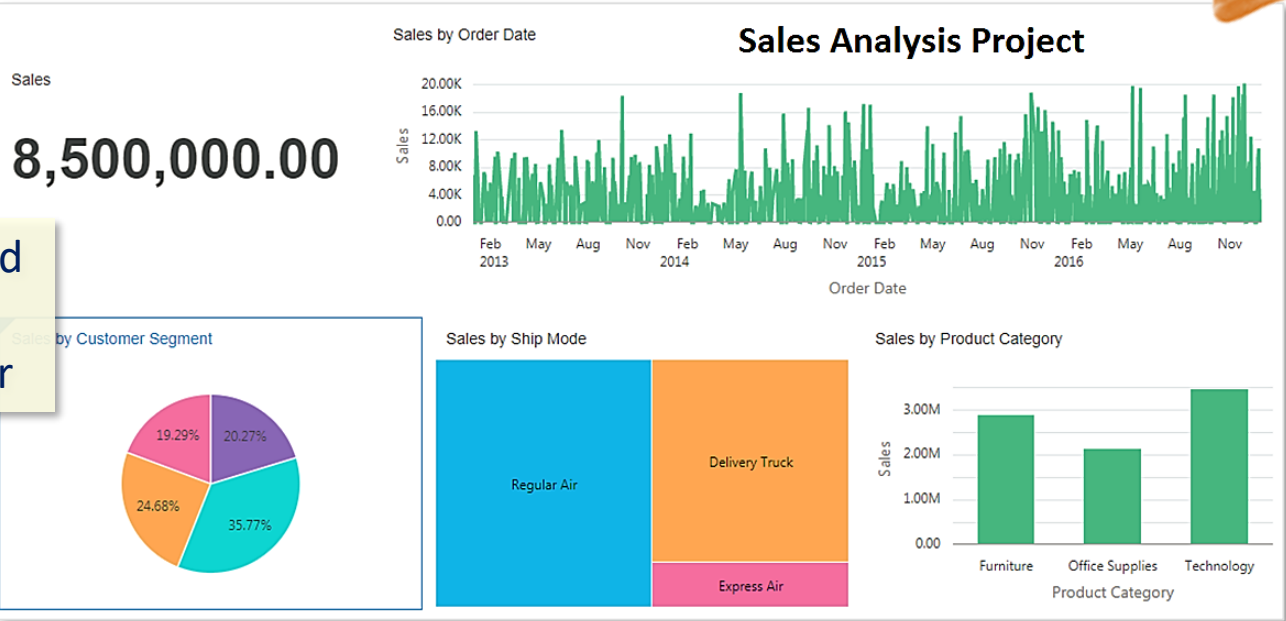


Re-use existing projects on various different datasets



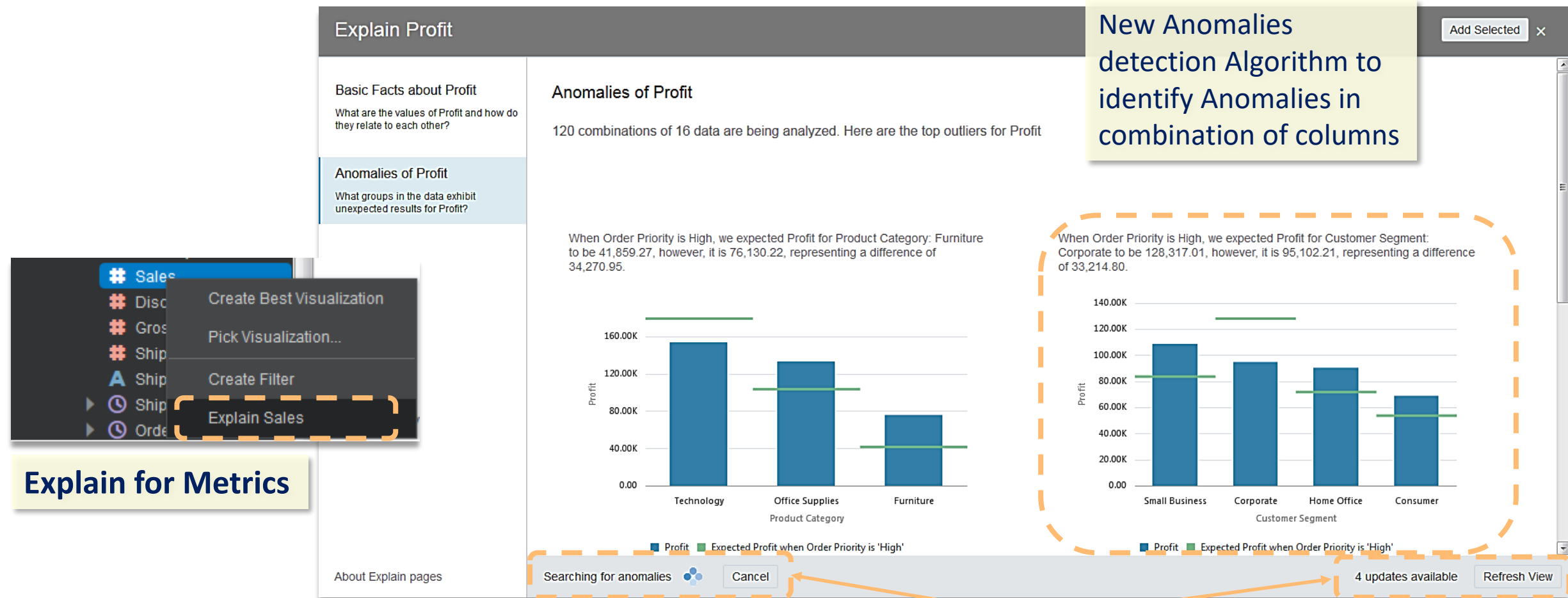
Replace Data Set	
Please review how data that is used in this project will be mapped from Donations 10k to Sample Order Lines .	
You may map the items to specific items, a placeholder, or nothing.	
Donations 10k	Sample Order Lines
✳ TOTAL_DONATIONS	✳ Sales
🕒 DATE_POSTED	🕒 Order Date
📊 GRADE_LEVEL	📊 Customer Segment
📊 PRIMARY_FOCUS_AREA	📊 Product Category
📊 RESOURCE_TYPE	📊 Ship Mode

Re-map every used column from one dataset to another



See demo of this in [playlist](#) 

20 - Explain Enhancements



Asynchronous UI: Anomalies published as they are found. Algorithm keeps running in the background

21 - Objects Inspector Consistency

- Run
- Open
- Open in a New Tab
- New schedule
- Inspect
- Delete

Sample Project
project

General

Name Sample Project

Description Oracle DV Desktop Samples Overview

Created By on Yesterday at 10:47 PM

Modified By on Yesterday at 10:47 PM

Location /My Folders

Projects

CLOUD_F_BILL_REV
Data Set

General

Name CLOUD_F_BILL_REV

Data Elements

Permissions

Description External Data Set

Created On Today at 12:58 PM

Modified On Today at 12:57 PM

Owner Admin

Type SQL Query

Connection bics_sampleapp

Database Type Oracle Database

Data Access Automatic Caching

New Data Identifier Select data element

Datasets

DF Test
Data Flow

General

Name DF Test

Schedules

Description

Created By Admin

Modified By Admin on Today at 12:58 PM

Dataflows

Profitability Computation Sequence
Sequence

General

Name Profitability Computation Sequence

Schedules

Description

Created By admin

Modified By admin Just now

Close Save

Sequences

22 – Data Sets Permissions

Arena_Attendance

Data Set

Close

Save

General

Data Elements

Search

Permissions

Name

Arena_Attendance

Description

Uploaded from
Arena_Attendance.xlsx.

Created On

Today at 3:59 PM

Modified On

Today at 3:58 PM

Certified By

Certified by admin Just now

Owner

admin

Type

File

File Name

Arena_Attendance

File Size

17.2KB

Certification to allow
datasets to be queried via
Ask by other users

Arena_Attendance

Data Set

Close

Save

General

Data Elements

Search

Permissions

All

Users

Roles

Add

Search By Name

Q

Name	Full Control	Can Edit	Can View
admin	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
BIConsumer	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/> X
BIServiceAdministrator	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
cloud.user	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
weblogic	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>

Fine grain permission-
ing for datasets

23 - Console Menu Reorganized

Console

Extensions

- Maps
- Social
- Search Index
- Jobs
- Safe Domains
- Service Administration

Map Backgrounds

Default	Include	Name	Description
	✓	Oracle BI	Thematic world map from Oracle (light grey colored)
	✓	Oracle Maps	General reference world map from Oracle

Safe Domains

Allow importing from

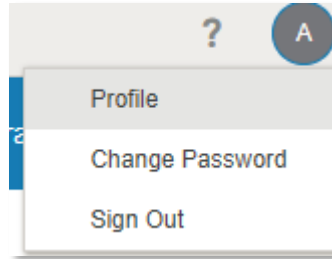
Domain Name	Image	Frame	Script	Font	Style	Media	Connect
All domains							
+ add domain							

Allow embedding in

+ add domain

- Administer Users & Roles
- Manage Snapshots
- Manage Connections
- Configure Virus Scanner
- Monitor Sessions & Query Caches
- Issue SQL
- Monitor Deliveries
- Configure Mail Settings

24 - User Profile



My Profile

Shared Links

User Name

admin

* First Name

* Last Name

First name

Nickname

Street Address

City

Postal Code

State

Country

Job Role/Title

* Primary Email











Alternate Email

Mobile Phone

Manager's Email

Skills

Interests

My Profile Shared Links				
These objects have been shared to social media. Deleting an object will break any links to it but won't remove the share from you social network.				
Name	Message	Shared to	Date Shared	
 sample-tweet51.pptx	sample-tweet51	 Twitter	Today at 9:15 AM	
 LH Test copy copy.pptx	LH Test copy copy	 Slack	Today at 8:53 AM	
 sample-slack-50.pptx	sample-slack-50	 Slack	Today at 4:42 AM	
 sample-slack-49.pptx	sample-slack-49	 Slack	Today at 4:41 AM	
 sample-slack-48.pptx	sample-slack-48	 Slack	Today at 4:40 AM	

Links to Content Shared
using Social Sharing

25 – Tab less navigation


Projects

My FoldersShared FoldersProjectsFavorites

Shared Folders > Analytics Library > Function Based

Today

☆ Updated 3 minutes ago
By Admin
1,300,000 8,500,000



Download more Oracle BI examples and content

Sample Project

Open

Open in a New Tab

Share

Rename

Move to...

Duplicate

Favorite

Inspect

Delete

Type	Name	Owner	Modified	Status
»»»	Regional Sales Computation	admin	Yesterday	<div>Run</div>
»»»	DF Revenue by City	admin	2 days ago	<div>Open</div> <div>Open in a New Tab</div> <div>New schedule</div> <div>Inspect</div> <div>Delete</div>

Projects, Datasets and Dataflows can be opened in the same Tab or New Tab

Type	Name	Owner	Modified	Refreshed
📄	Regional Sales Data	admin	Yesterday	Yesterday
📄	Sample States New	admin	Yesterday	Ye
📄	Sample States	admin	Yesterday	Ye
📄	AutoMini.csv	admin	Yesterday	Ye
📄	Sales Order Lines	admin	Yesterday	6
📄	DF Revenue by City	admin	2 days ago	2

Create Project

Open

Open in a New Tab

Inspect

Reload Data

Download File

Delete

26 - Data Set Storage Cleanup Menu

The screenshot displays the Oracle Analytics Cloud interface. At the top, a dark blue header contains the text "Get Started with Oracle Analytics Cloud" and a "Create" button. Below this, a "Data Set Storage" section shows "8.2MB of 20GB Used" and a search bar. A table lists users with columns for "Users", "Quota", and "Usage". The "admin" user is highlighted, and a context menu is open, showing options: "Delete Private" and "Delete All". A "Watch Overview" button is also visible.

Create

Get Started with Oracle Analytics Cloud

Watch Overview

Data Set Storage

8.2MB of 20GB Used

Search

Users	Quota	Usage
admin	20GB	8.2MB

Delete Private

Delete All

27 - Search Indexing on XSAs (Ask and DxD on XSAs)

Employee Data Subject Area

Open Data Set Save Close

General
Data Preview
Search
Permissions

☒ Index Subject Area for Searching

☒ By names only
☐ By names and values
☐ Custom

Languages
English X French X Spanish X

Indexing schedule
Start 2/2/2018 12:00 AM
Repeat every 1 Day
Last Indexed 30 minutes ago

Employee Data Data Set

Open Data Set Save Close

General
Data Preview
Search
Permissions

☒ Index Data Set for Searching

☐ By names only
☐ By names and values
☒ Custom

Languages
English

Indexing schedule
☐ When Data Set is refreshed
☒ Start 2/2/2018 12:00 AM
Repeat every 1 Day
Last Indexed 30 minutes ago

Index Now

Custom Search Index

Attribute	Index
Employee ID	Name Only
First Name	<input checked="" type="checkbox"/> Name Only <input type="checkbox"/> Name and Values <input type="checkbox"/> None
Last Name	None
Hire Date	Name Only
Job Name	Name and Values
Department	Name and Values

Custom Index Dataset option allows users to decide the type of Indexing at column level

Indexing can be Scheduled and Repeated periodically

27 – Search (DxD) : Certified Datasets for Sharing Searches

Sample Order Lines

Data Set

Close

Save

General

Data Elements

Search

Permissions

Name

Sample Order Lines

Description

Uploaded from Sample Order Lines.xlsx.


Created On

Jun 28, 2018 at 10:45 AM

Modified On

Today at 10:33 AM

Certified By

 Certified by Admin 9:16 AM

Owner

Admin

Type

File

File Name

Sample Order Lines

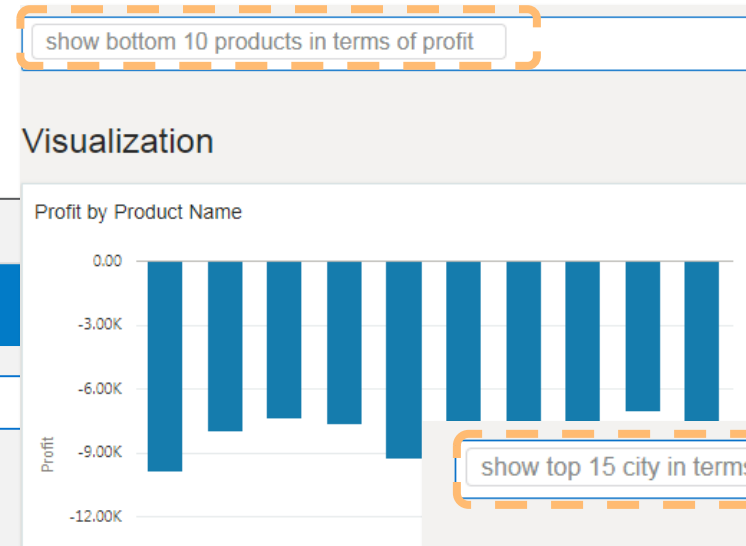
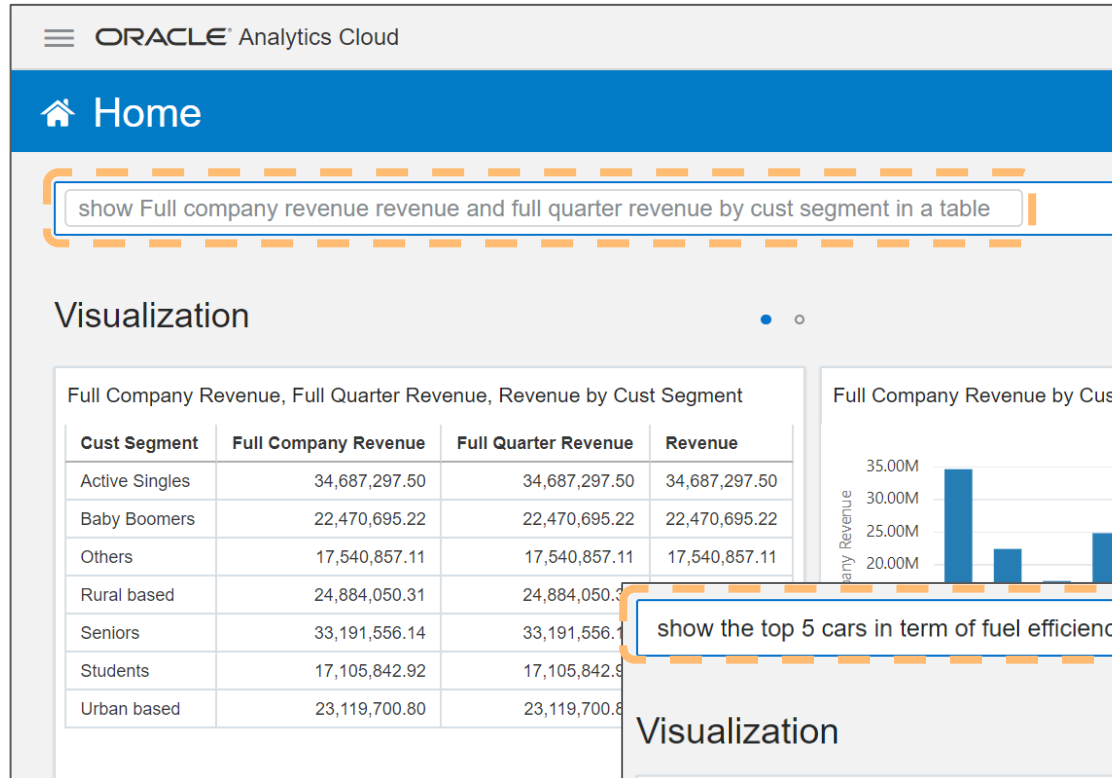
File Size

1.4MB

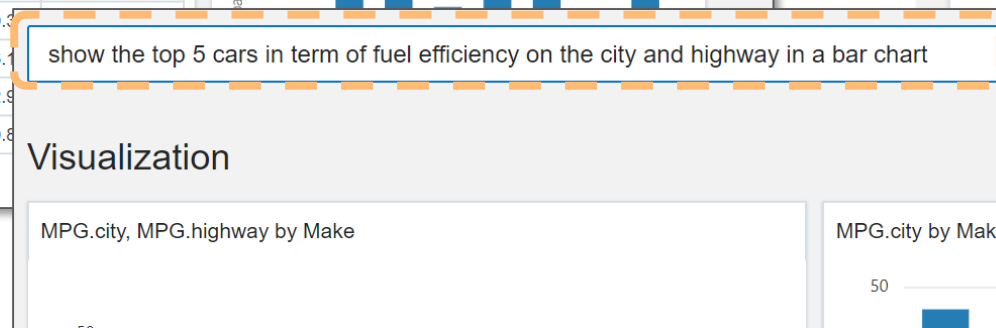
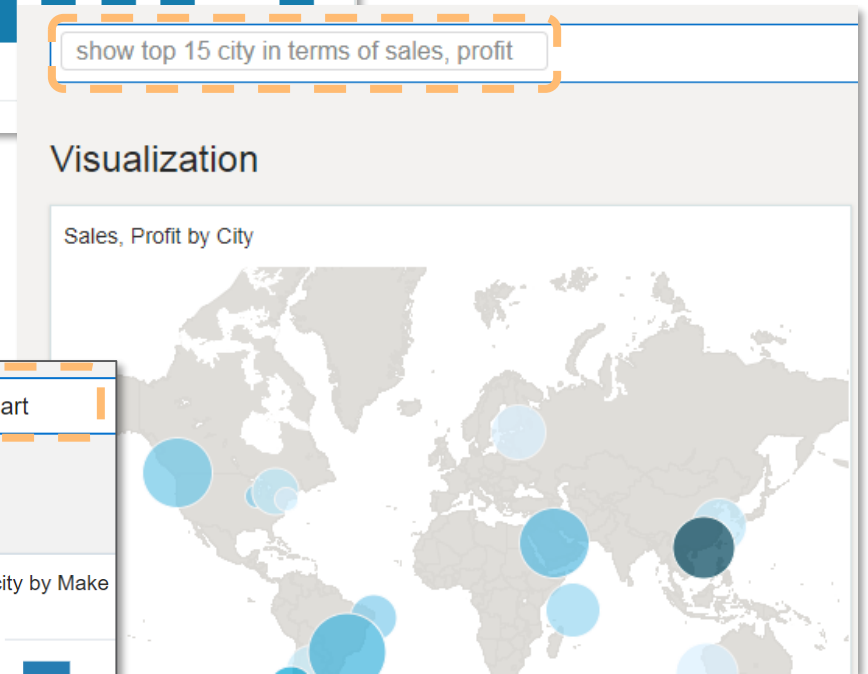
Certified datasets indexes are available for search by other users

A dataset index is only visible in search to its owner. In order for everyone to see a dataset's index results in their searches, the dataset must be certified as valid by an administrator and then shared with all users.

27 – Search (DxD) : Multi term matching, Top, Bottom, First, Least, Most...

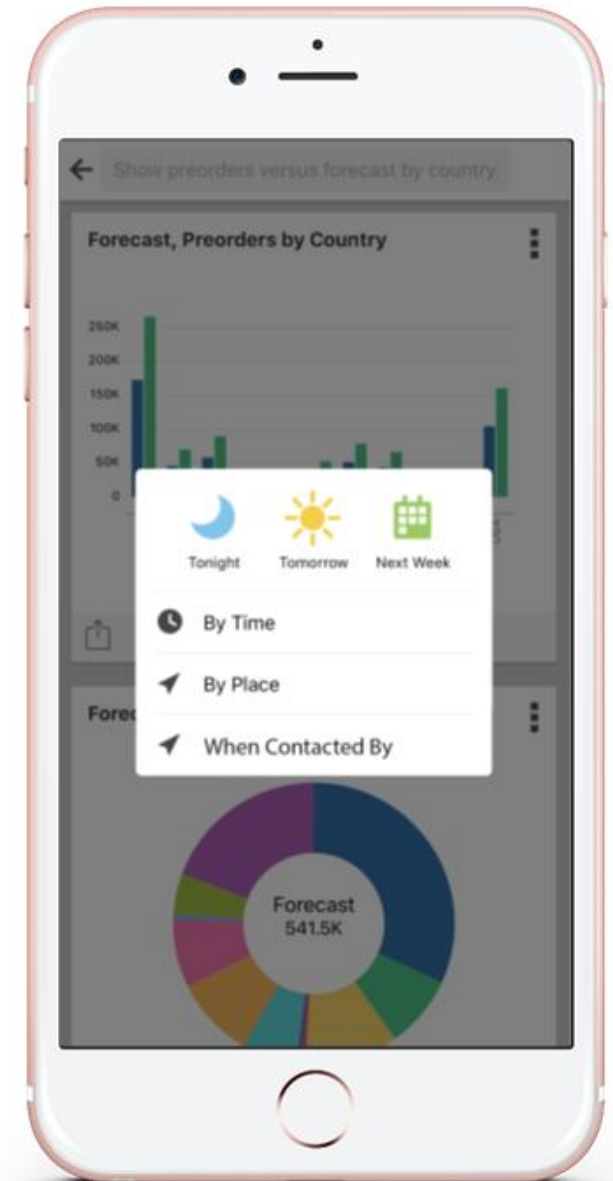


Fluid english questions, Top / Bottom & other keywords in search



28 - Day by Day V2.0 improvements

- Multiple bring backs :
 - Bring back when contacted by, when contact Calls or texts,
 - show this analysis every Monday **or** if my boss calls
- Filter within : interact/filter your search results
- “Bring back” management screen to add/mod/delete your Bring backs
- Added support for www.appconfig.org MDM standard for high security deployments

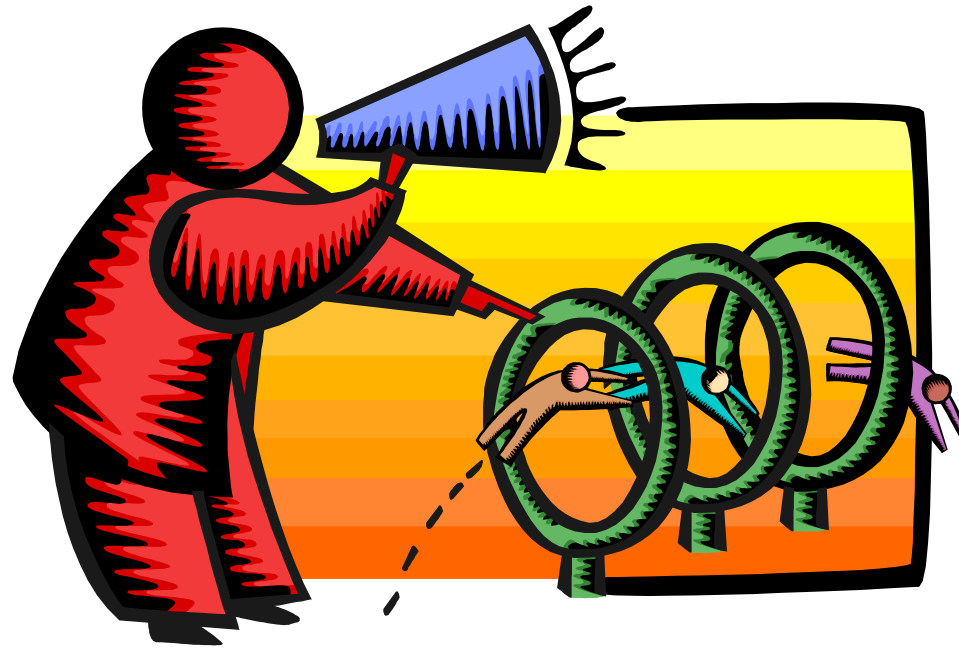


30.1 - Essbase -18.3.xx Features (Essbase 112 & 113/114)

- JET UI (Modern interface)
 - Create and Manage Outline
 - Textual Measures
 - Outline in Editors
 - Pagination (Prev and Next) (Focussed Changes)
 - Search capability (faster search / quick navigation)
 - Attribute dimension (Automatically point to last added sparse dimension - Association)
 - UDA's
 - Essbase rules editor in Modern UI (Jet UI)
- Cube Designer
 - Provide a way for users to customize the Gallery within Cube Designer
 - Manage Custom Folders on the server from within Excel
 - Manage files on the server from within Excel
 - Incremental Support for Unstructured Import
 - From Cube Designer
 - From Modern UI (*JET UI)
- Other
 - External communication over HTTPS
 - Scenario support for a cube with existing data
 - Essbase REST Swagger documentation
 - Table Format (Unstructured) deploy type (ASO/HBSO/...)
 - Allows to use SQLW data source over REST API
 - Templates changes (New Gallery Templates)
- LCM
 - Lift and shift non-unicode apps to the cloud
 - Selective Artifact Migration
- Platform Capabilities
 - Jobs for MDX Insert/Export
 - Jobs for Aggregate View Creation
 - Datasource Security Filters
- Service Health Performance Analyzer



Demo





Oracle Analytics Library

Data Visualization Cloud

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

OverviewLibraryGallery

OverviewPlug-insSample ProjectsMaps & SpatialMachine LearningEssbase Samples

Search

How to deploy Analytic Samplessort 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](#)

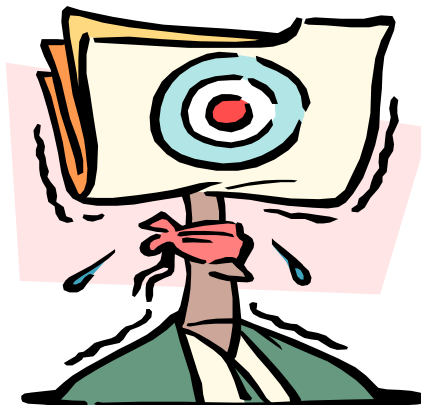
Image Gallery Plug-in
Oracle

DV Governance

Force Directed Graph Plugin
Vlamis
Jan 18, 2018
The Force Directed Graph plugin allows you to easily visualize hierarchical data. Each



Resources and Questions?



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Twitter: [@vlamisoftware](https://twitter.com/vlamisoftware)

Vlami Home www.vlami.com Blog www.vlami.com/blog Prior OBIEE releases www.vlami.com/obiwebinars

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

Oracle Analytics Library with plugins and demos <https://www.oracle.com/solutions/business-analytics/data-visualization/library.html>

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

YouTube video playlist on OAC 18.3.3 new features
<https://www.youtube.com/playlist?list=PL6gBNP-Fr8KWJxzggQFV1rE6UWOgmNWp->