Oracle Analytics Update Oracle Global Leaders Meeting 2020

Philippe Lions

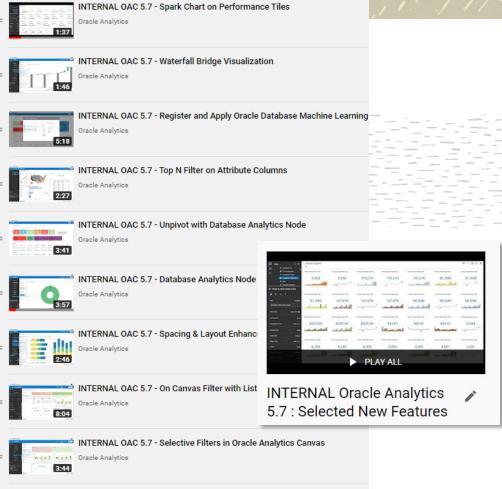
Jun 24th 2020





YT Playlists with main features

- bit.ly/OAC40Features
- bit.ly/OAC50Features
- bit.ly/OAC51Features
- bit.ly/OAC52Features
- bit.ly/OAC53Features
- bit.ly/OAC54Features
- bit.ly/OAC55Features
- bit.ly/OAC56Features
- 'OAC5<u>7Features</u>







OAC 5.6 Selected New Features Overview

Data Sources & D. Editor

- Enhanced Data Set Editor:

 Single page data set editor,
 Increased data density,
 Remove columns in preview...
- 2. Regex in Data prep
- 3. EPM Connector
- 4. RDG to MySQL

Dataviz Enhancements

- 5. Viz Controls Enhancements Control column-width in PT, Transparency background for image/color, Waterfall colors
- 6. Canvas bar enhancements density/visibilityDuplicate canvas near original
- 7. Custom Calcs Copy/Duplicate
- 8. Data Action to Publisher Report
- 9. Additional outputs for ML Models

Maps

- 10. Custom background images & Map Layer creation tool
- 11. Improved Maps performance
- 12. Zoom Controls & Data truncation warning

System

- 14. System settings UI Improvement
- 15. Access tab for all catalog artefacts





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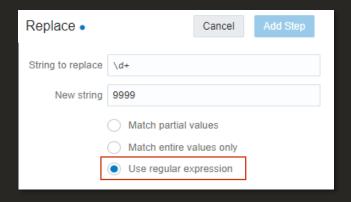
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Data Prep: Support for Reg-Exp

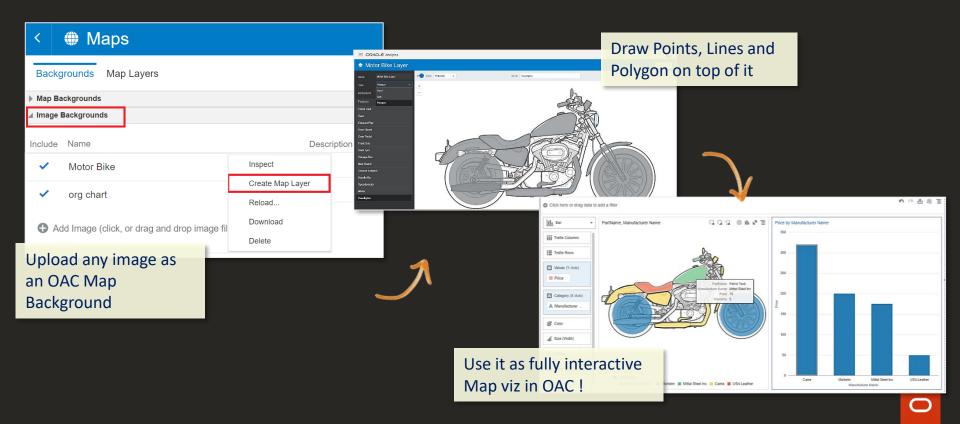


Use Regular Expressions replace in Data Preparation for

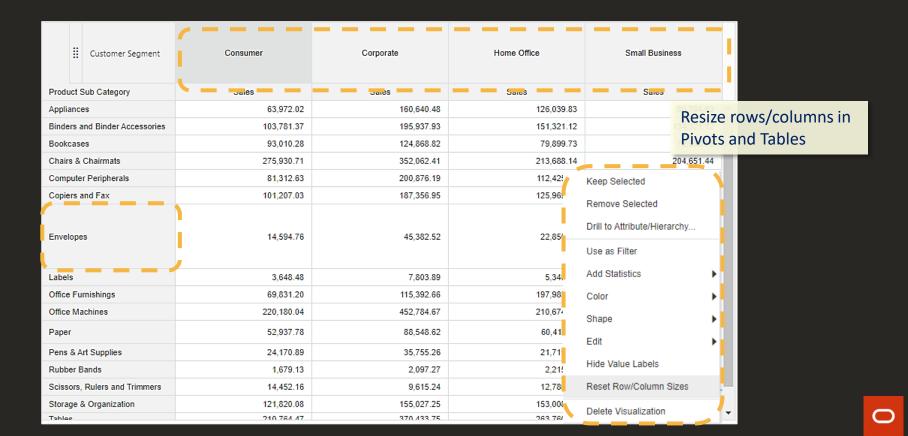
- Literal Matches: matches exact text for partial or entire values.
- Re-Inserting Matched Text: Allows the insert of text before and after regex matches.
- Back References: allows the replacement text to reuse parts of the text matched by the regular expression.
- Character Classes or Sets: used to match only one out of several characters
- ...



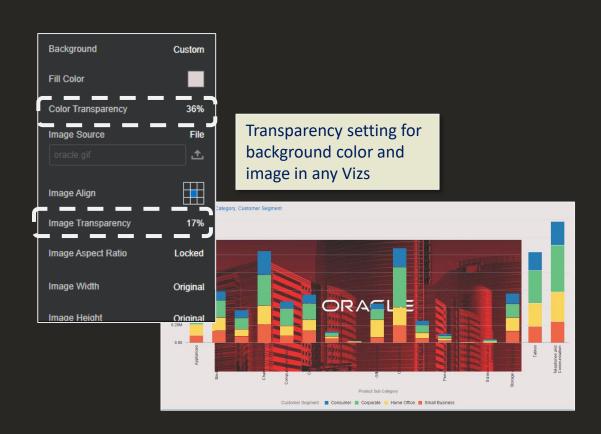
Background Images & Layer Creation Tool

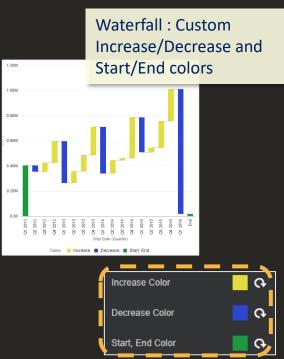


Control column width in Pivot/Table



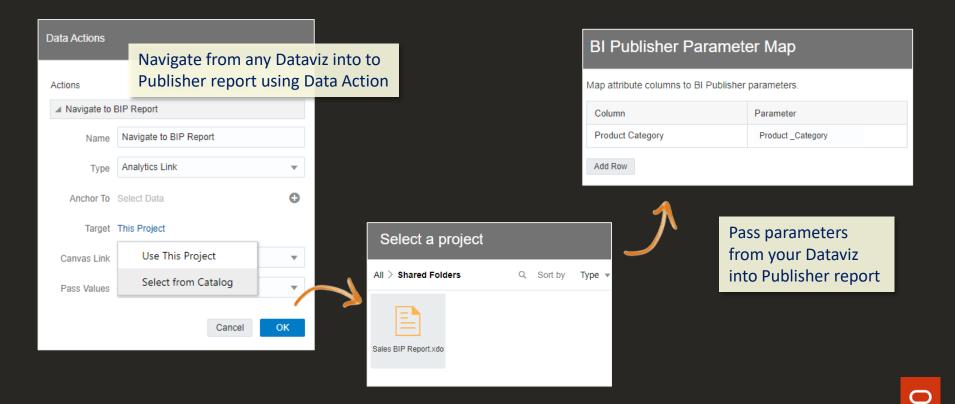
Background, Transparency, & Colors...



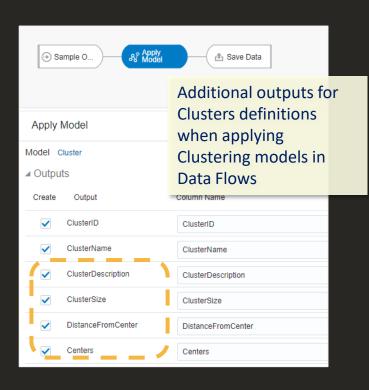


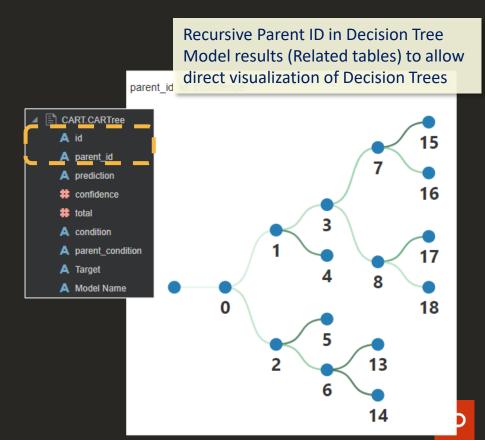


Data Actions to Drill in Publisher Report



OAC ML Outputs Enhancements





OAC 5.7 Selected New Features Overview

Visualizations, Layout & Filters

- 1. Waterfall Bridge Report
- 2. Spark Chart on Performance Tiles
- 3. Top/Bottom N for attributes
- 4. List Box Filter Viz
- 5. Filter Options in Properties
- Layout Container & Viz spacing Enhancements

Machine Learning & Advanced Analytics

- 7. Register & Apply OML Models
- 8. Database Analytics Operation
 - Un-pivot, Sampling
 - Dynamic Clustering, Dynamic Prediction

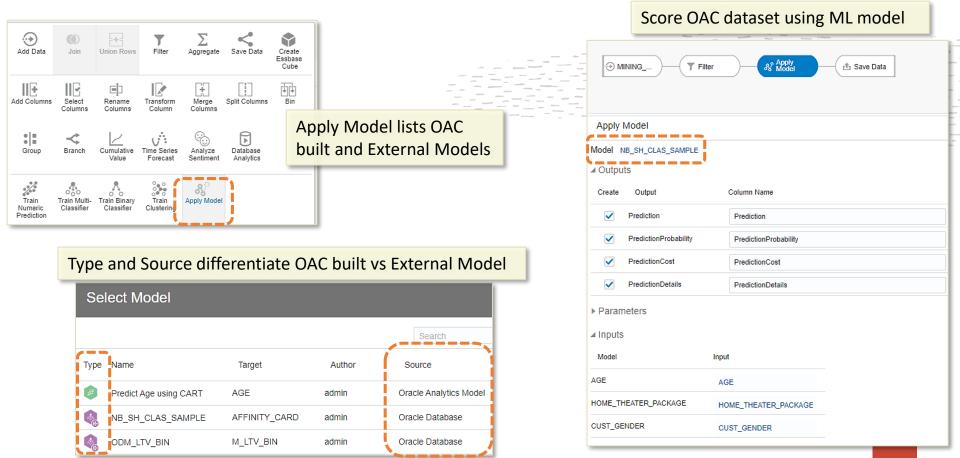
Data Sources

9. Improved LIVE Data sets



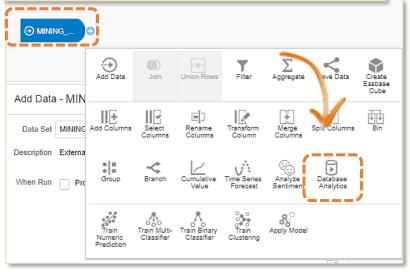
OML Integration – Register ML Model from Oracle ADW/Oracle DB Register ML model to score OAC datasets Register external MI Model Select a Model to Register Create Ħ Select ADW/Oracle Import Project/Flow... Name NB SH CLAS SAMPLE **DB** Connection Type Name Last Modified Description CLUS OC 1 5 Data Set Management Jun 15, 2016 Register an ML Model LAS SAMPLE Oct 21, 2019 Open Data Modeler Model Name NB_SH_CLAS_SAMPLE Model Class CLASSIFICATION Register ML Model CLUS SAMPLE Oct 24, 2019 From a Connection NAIVE_BAYES Algorithm H CLAS SAMPLE Oct 22, 2019 Open Classic Home Description Owner DMUSER Type Name Description Nov 12, 2019 Customize Home Page... H REGR SAMPLE Created On Oct 16 2019 BugDB Conn BugDB Conn CLUS SAMPLE Target AFFINITY CARD Oct 17, 2019 ▶ Input Columns Oct 16, 2019 BugDB_Connection LAS SAMPLE Output Columns Feb 18, 2020 bur10347 Parameters Oct 23, 2019 SAMPLE DemoADW DemoOML Several model Cancel Register details available

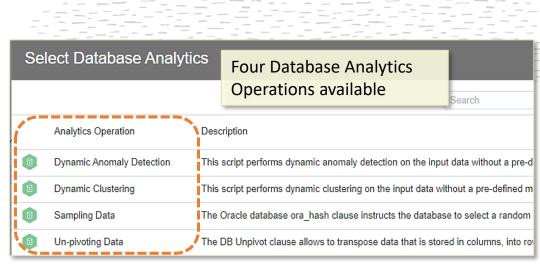
OML Integration – Apply OML model



Advanced Analytics: Database Analytics

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

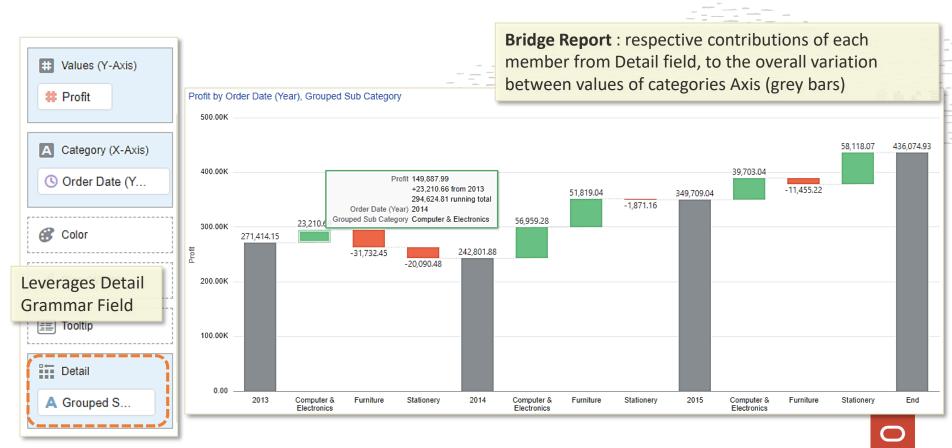




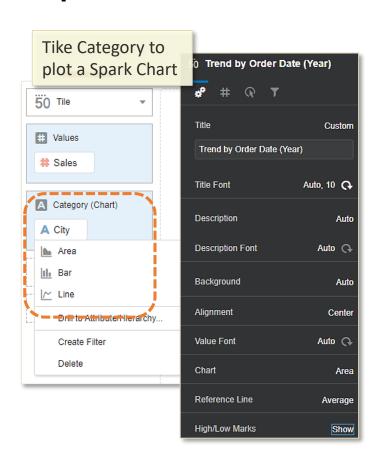
Saves results and executes directly in underlying database

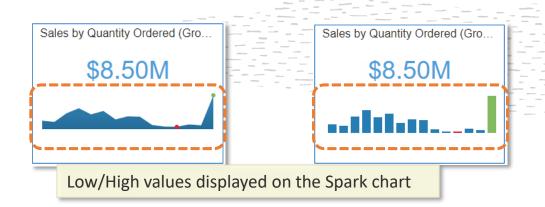


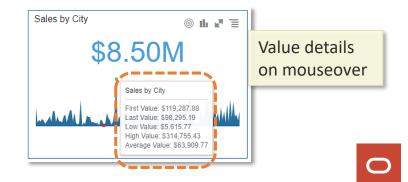
Waterfall Bridge Report



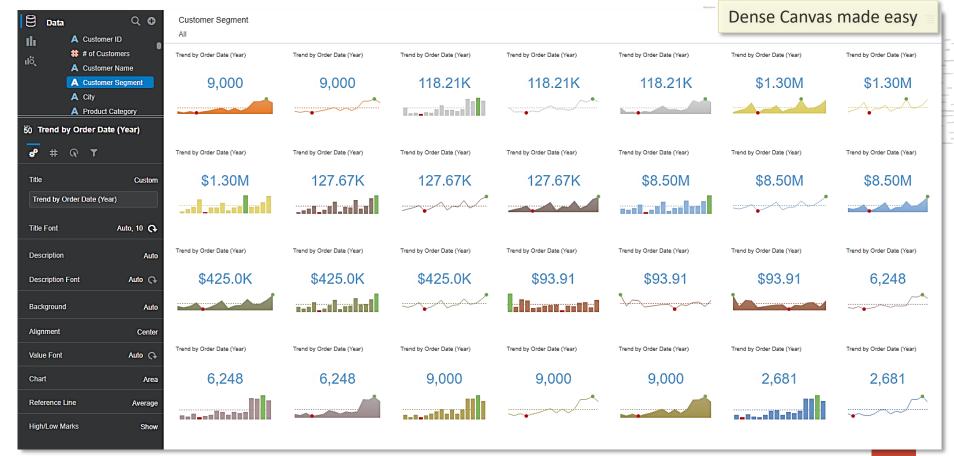
Spark Chart in Performance Tiles







Spark Chart in Performance Tiles



Top/Bottom N for Attribute Columns

Select metric to Top with for this attribute.

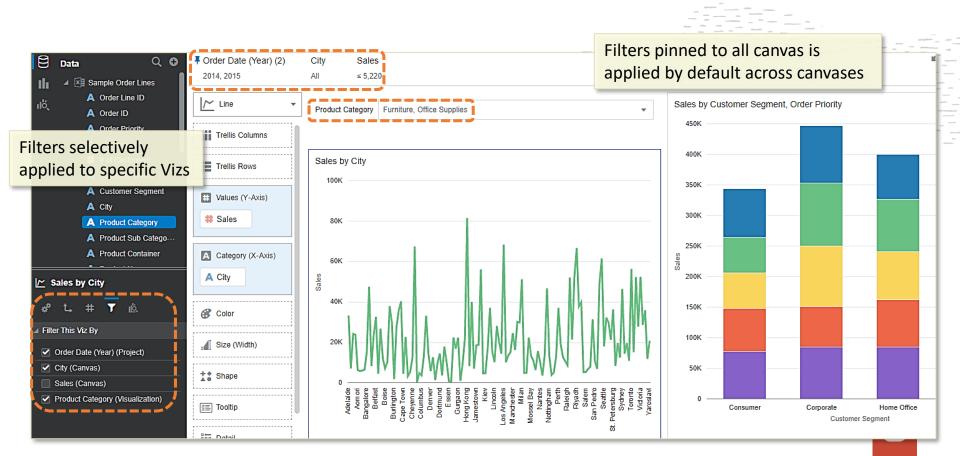
Also works with

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





Options to Selectively Apply Filters



List Box Filter Viz: on Canvas Filters



Layout Container Enhancements

