

New Features in Data Visualization Desktop 12.2.2 and OBIEE 12.2.1.2

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Vlamis Software Solutions

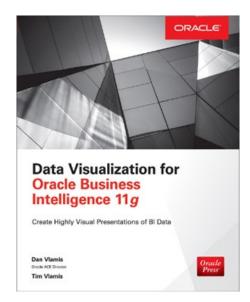
- Vlamis Software founded in 1992 in Kansas City, Missouri
- Developed 200+ Oracle BI and analytics systems
- Specializes in Oracle-based:
 - Enterprise Business Intelligence & Analytics
 - Analytic Warehousing
 - Data Mining and Predictive Analytics
 - Data Visualization
- Multiple Oracle ACEs, consultants average 15+ years
- <u>www.vlamis.com</u> (blog, papers, newsletters, services)
- Authored book "Data Visualization for Oracle BI"
- Co-authors of book "Oracle Essbase & Oracle OLAP"
- Oracle University Partner
- Oracle Gold Partner





e Gold Partner Specialized











OBIEE and BICS 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
 - BI Mobile rewrite
 - 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

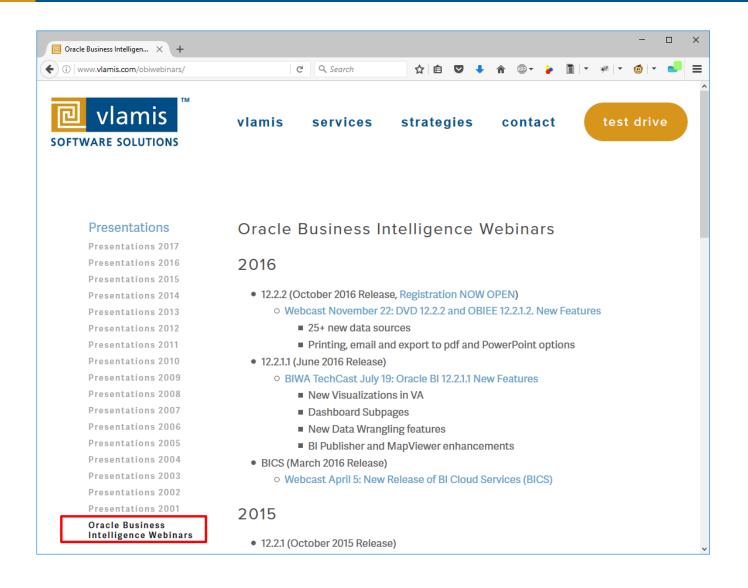
- 11.1.1.9 (May 2015)
 - BIWA TechCast Jun 4, 2015 Oracle BI 11.1.1.9 New Features
 - Search in Subject Areas pane
 - New Treemap view
 - Global variables and Save Column As choice in Criteria tab
- 12.2.1 (October 2015)
 - BIWA TechCast Nov 19, 2015 Oracle BI 12.2.1 New Features
 - Alta UI Skin, new home page
 - Visual Analyzer and Data Mashup
- BICS March 2016 (March 2016)
 - Webcast Apr 5, 2016 BICS <u>BICS March 2016 New Features</u>
- 12.2.1.1 (June 2016)
 - BIWA TechCast Jul 19, 2016 Oracle BI 12.2.1.1 New Features
 - New Visualizations in VA
 - Dashboard Subpages
 - New Data Wrangling features
 - BI Publisher and MapViewer enhancements

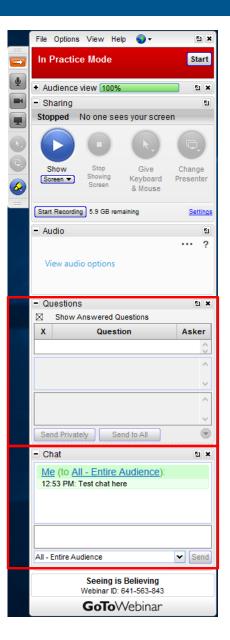
All listed on website at http://www.vlamis.com/obiwebinars/





Use Questions or Chat or Questions to communicate









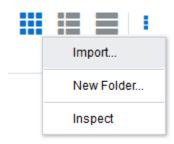
High Level List of New Features

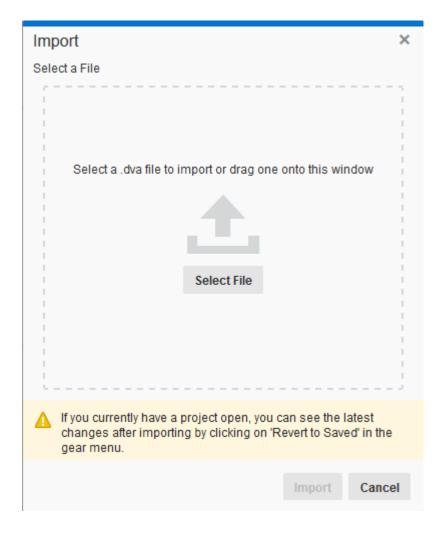
- OBIEE 12.2.1.2
 - SSO for Visual Analyzer
 - Import / Export DVA files
 - Bug fixes
- DVD 2.0 (internally 12.2.2)
 - More Data sources and Data flows, profiling
 - BI Ask
 - Filtering options
 - Multiple Canvases
 - Export & Printing
 - New Visualizations and SDK for build your own

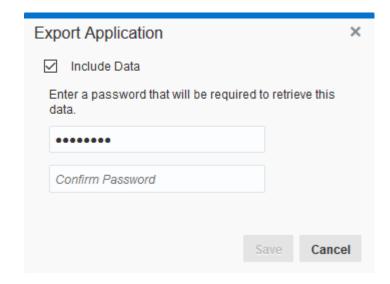




Import and Export of .dva files in OBIEE











DVD 12.2.2 (called DVD 2.0) New Features

- Additional data sources
- Filter on data sources to cut down on data volume
- Data Flows allow for manipulation of data on server; download to PC
- Data Profiling get histogram of data by row count or measure
- Control types of columns measure vs attribute
- BI Ask type "State Revenue Bar Chart United States"
- Delay applying filters (lightning bolt at bottom)
- Apply filters to individual visualizations
- Use Master visualization to filter Detail visualization
- Multiple canvases and list visualization like dashboard prompts

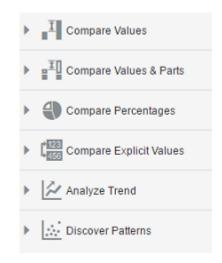




DVD 12.2.2 New Features

- Choose visualization by objective
- New Visualizations
 - Chord
 - Network
 - Sankey
 - Tree
 - Timeline
 - Parallel Coordinates
- SDK to create visualizations (code yourself)
 - For example, Boxplot
 - Others shared at BI Public Store
- Control over color palette
 - Highlight specific value
 - Make areas visually distinct
- Print, Export to PDF and PPT
 - Select pages to include







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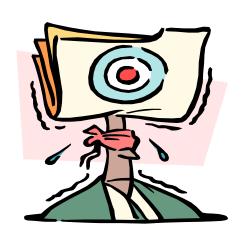




www.biwasummit.org



Resources and Questions?



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Vlamis Home page <u>www.vlamis.com</u> Blog <u>www.vlamis.com/blog</u>

Test Drive www.vlamis.com/td Prior OBIEE releases www.vlamis.com/td Prior OBIEE releases

Oracle BI SampleApp v607 and Resources (August 16, 2016!) http://www.vlamis.com/papers2016/#aug16

BI Public Store with plugins https://sites.google.com/site/oraclebipublicstore/downloads

Sample App What's New http://www.oracle.com/technetwork/middleware/bi-foundation/obiee-samples-167534.html

YouTube channel BI Tech Demo from SampleApp Team https://www.youtube.com/user/OracleBITechDemos

Fusion Middleware 12c Documentation http://docs.oracle.com/middleware/1221/bisuite/index.html

BICS Demo as part of OTN Summit http://www.vlamis.com/papers2016/#jul12

BIWA Summit 2017 Conference http://www.biwasummit.org

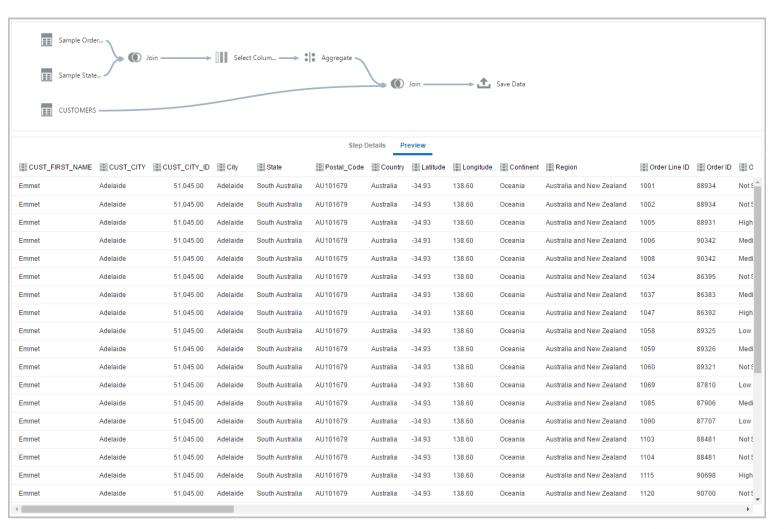




Improve All Data with Powerful Data Prep

Data Flows

 You can use data flows to produce curated data sources that you can use to create visualizations.



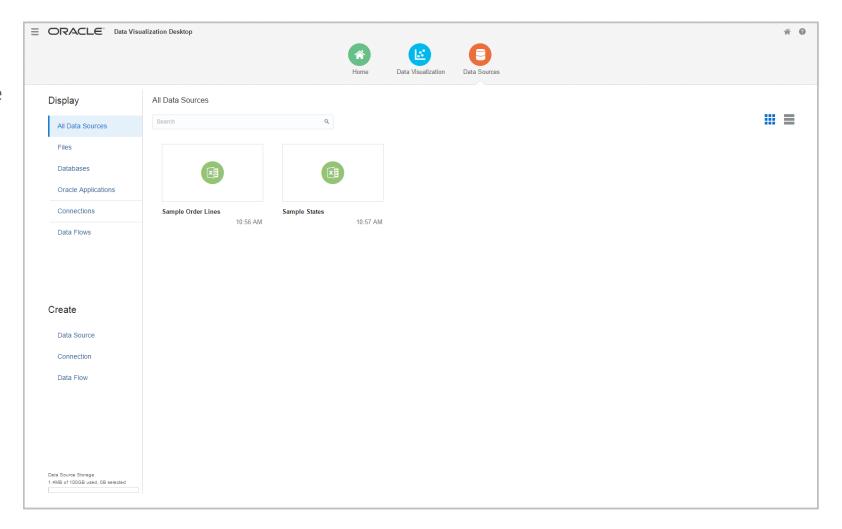




Redesigned Data Sources page

New Data Sources page

The data sources page was redesigned to be more user friendly. The Display pane contains categories that you can click to see data sources by type, the connections that you built, and the data flows that you built. The Create pane contains links that you can click to quickly begin creating data sources, connections, and data flows.



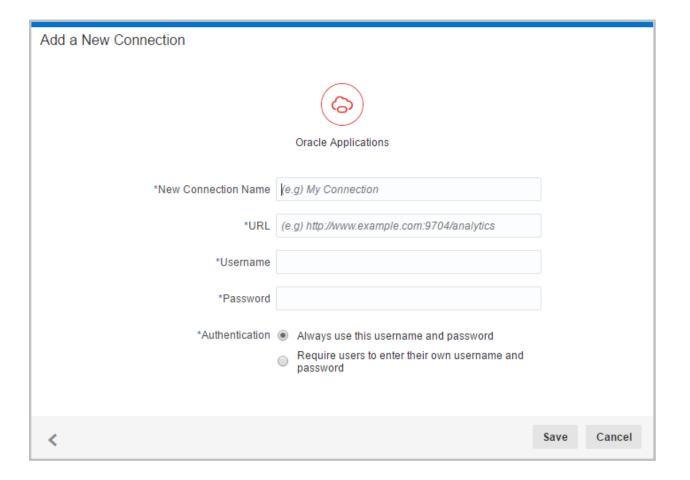




New Authentication option for Oracle Applications connections

Personalized Connections

You can specify if you want users to enter their own credentials to access the Oracle applications data that they have the permissions to see.



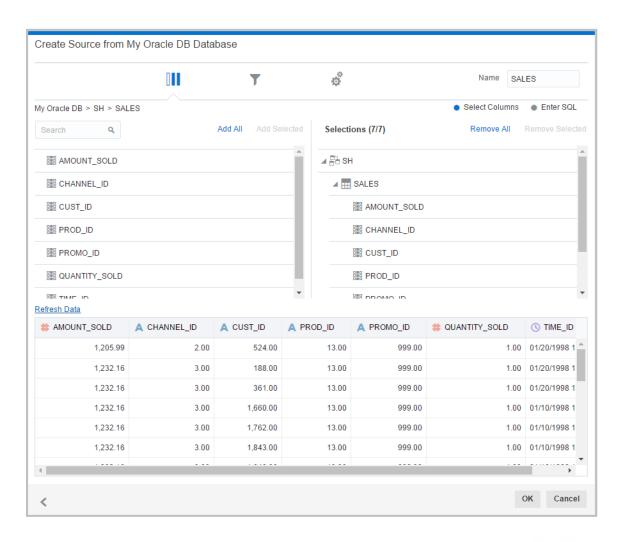




Create New Data Source Page

New Query Builder

The Create New Data Source page is easier to use and includes functionality such as the option to add filters when building database data sources.







New Data Sources

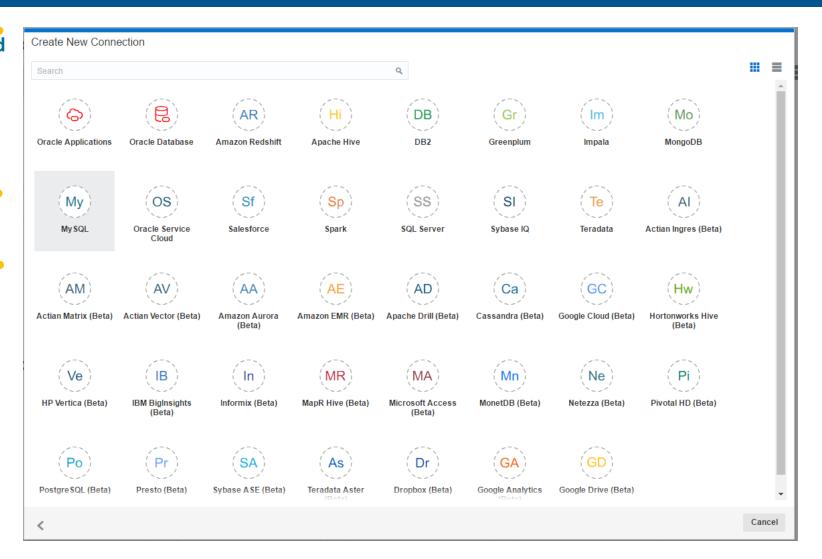
The following databases have been promoted from Beta to Full Support:

- Greenplum
- RightNow (renamed Oracle Service Cloud)

.CSV files as data sources.

Databases added with Beta support:

 Actian Ingres, Actian Matrix, Actian Vector, Amazon Aurora, Amazon EMR, Apache Drill, Cassandra, Dropbox, Google Analytics, Google Cloud, Google Drive, Hortonworks Hive, HP Vertica, IBM BigInsights, Informix, MapR Hive, Microsoft Access, MonetDB, Netezza, Pivotal HD, Postgre SQL, Presto, Sybase ASE, and Teradata Aster.



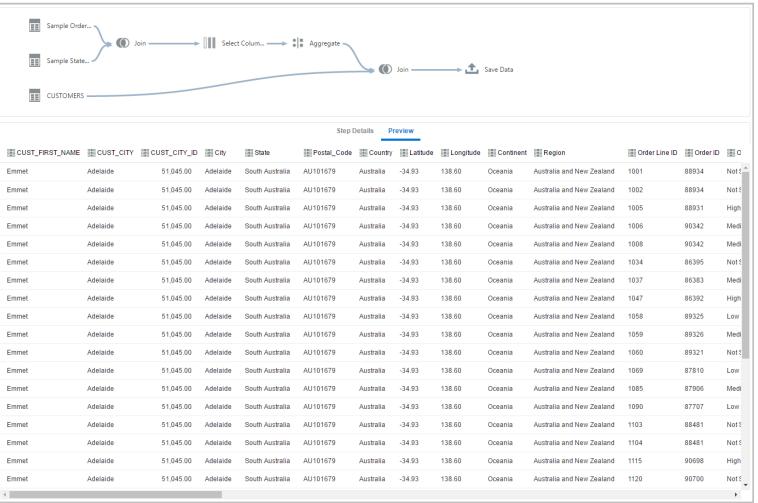




Improve All Data with Powerful Data

Data Flows

 You can use data flows to produce curated data sources that you can use to create visualizations.







Find Hidden Patterns with Smart Insights

Automatic detection of data patterns

• The smart insights feature helps you better understand the data in your data source and how to best visualize it in a project.



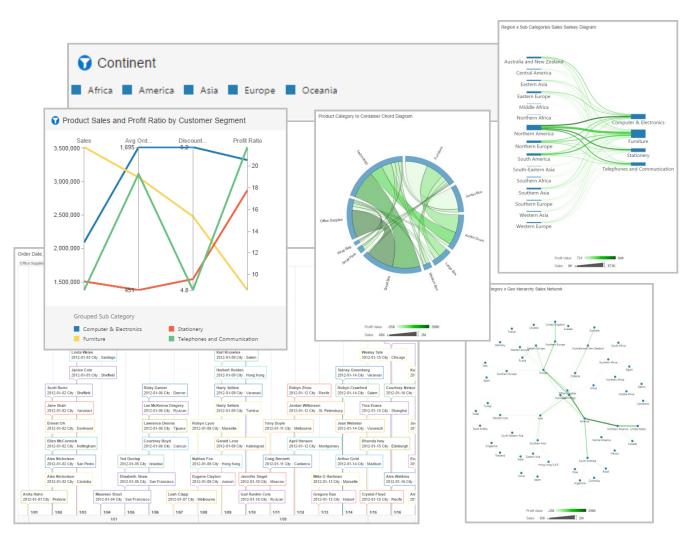


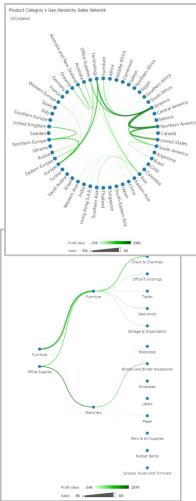


New Visualizations

8 New Visualizations

- List
- Parallel Coordinates
- Timeline
- Chord Diagram
- Circular Network
- Network
- Sankey
- Tree Diagram





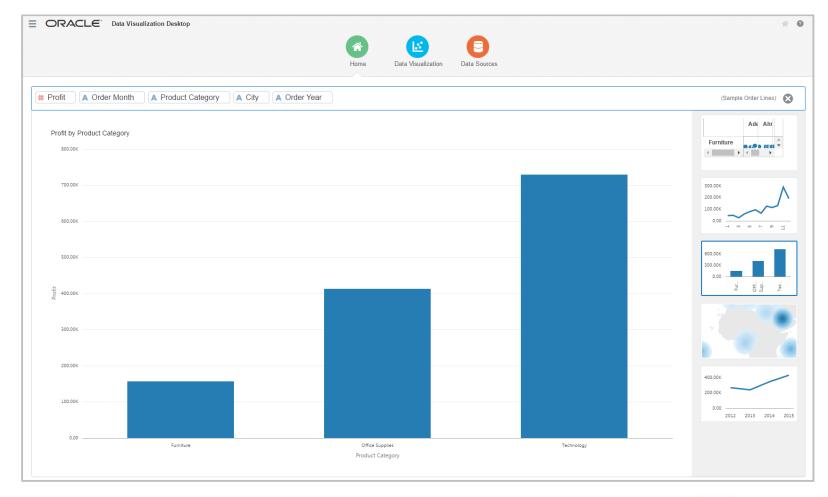




Talk to Your Data with BI Ask

Powerful, intuitive keyword search

- Interprets semantic layer, user private data, expression library and catalog artifacts
- Fuzzy match, stemming, natural language processing
- Generates on-the-fly queries visualizations are auto-created while user types







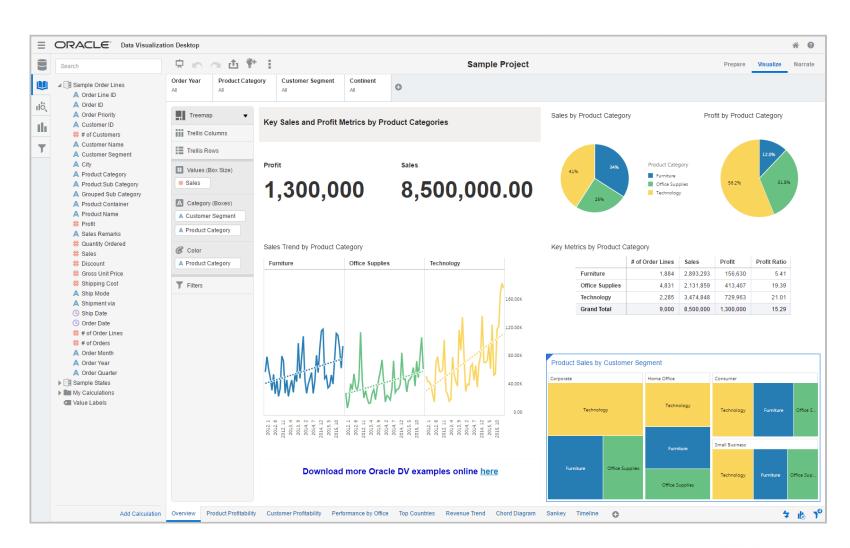
Multi-Canvas Projects

Multiple Canvases

 A project can have multiple canvases.

Easier switching between Prepare, Visualize and Narrate

 New menu options for switching between canvas and insights







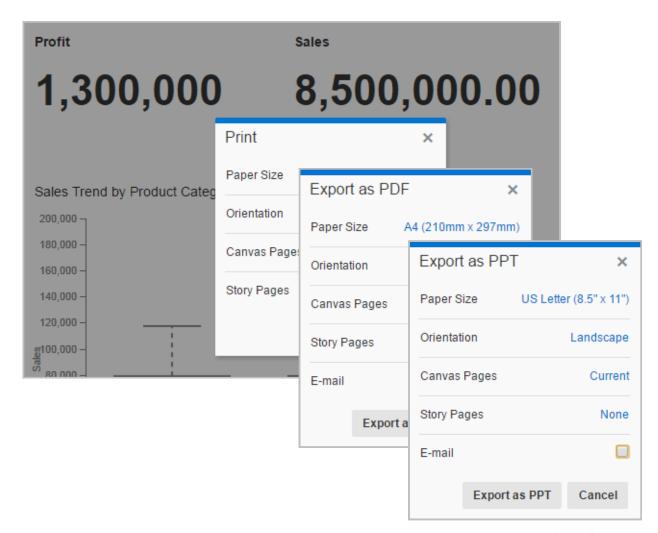
New Output and Sharing Options

Print options

- Print all canvases and insight pages or selected pages from a project
- Print an individual visualization.

Export options

- Export all canvases and insights or selected pages to PDF or PowerPoint
- Attach the output to an email



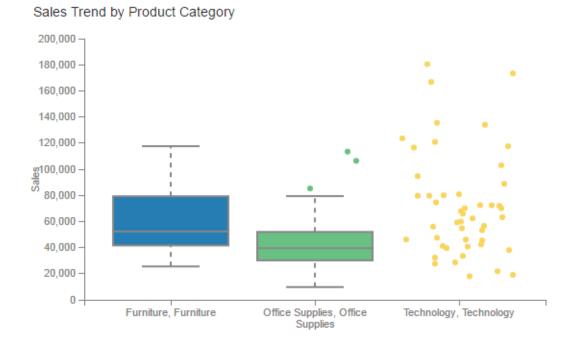




SDK for Developers

Visualization SDK

- Develop custom visualizations
- 100% functional, LCM parity with native visualizations



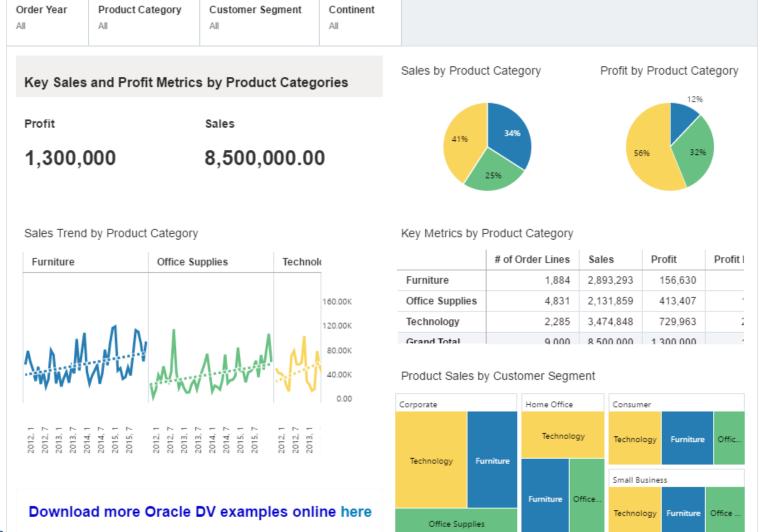


Following are Exported from DVD





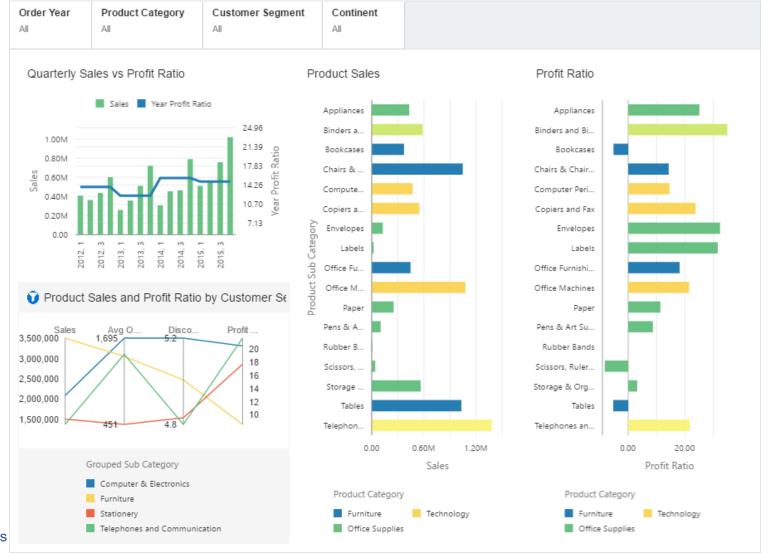
Sample Project - Overview







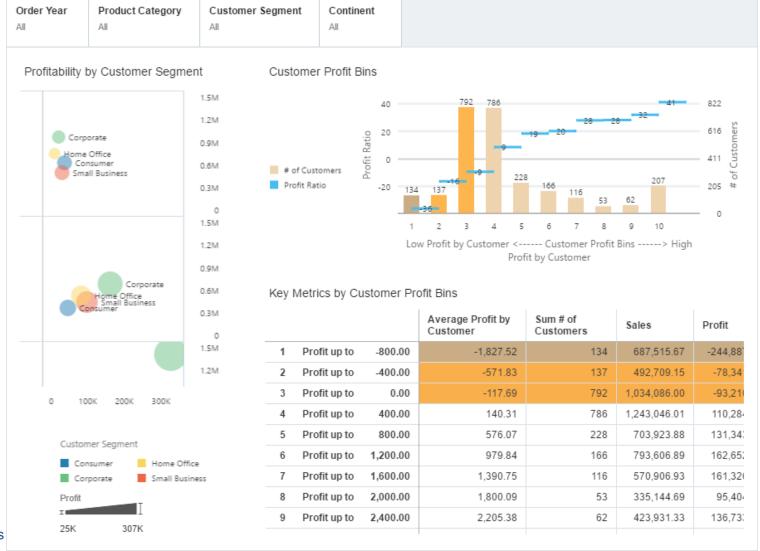
Sample Project - Product Profitability







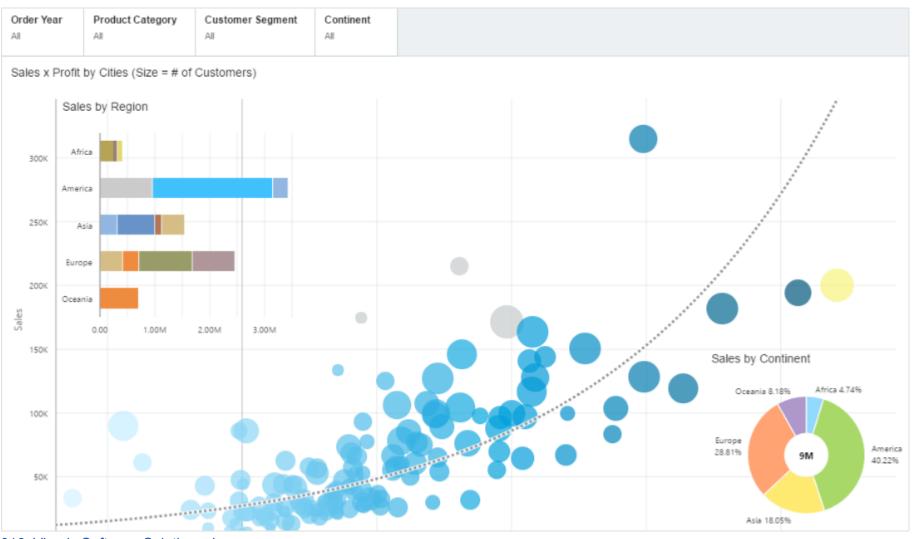
Sample Project - Customer Profitability







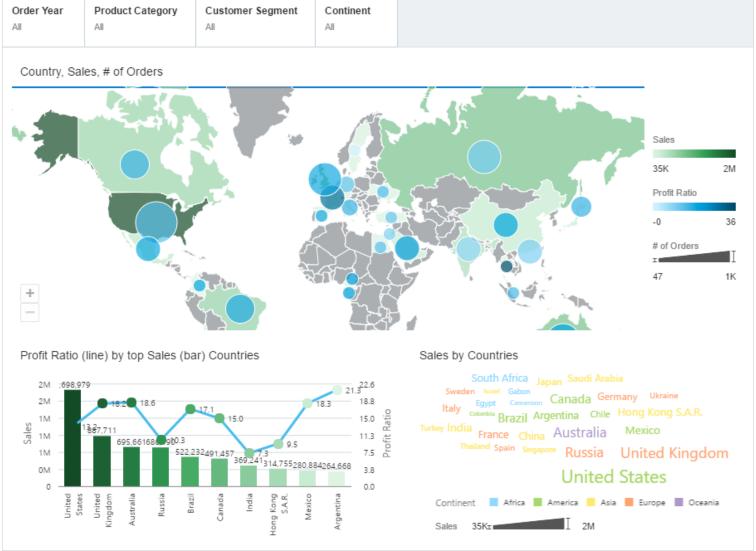
Sample Project - Performance by Office







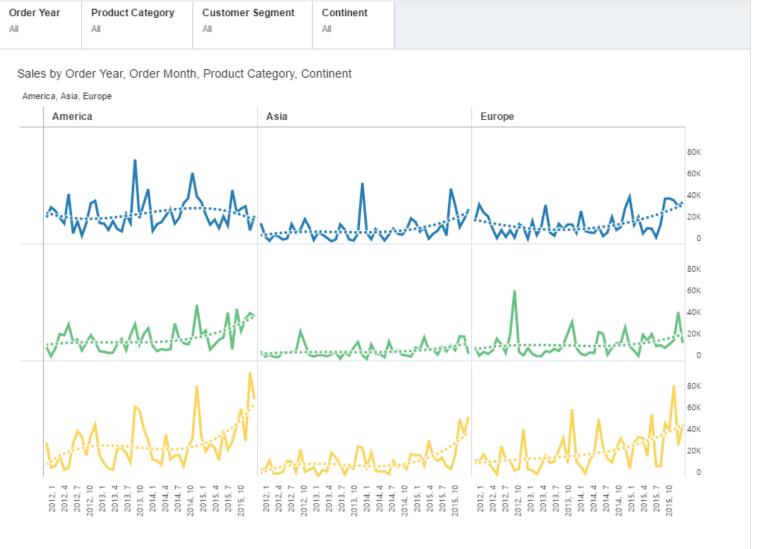
Sample Project - Top Countries







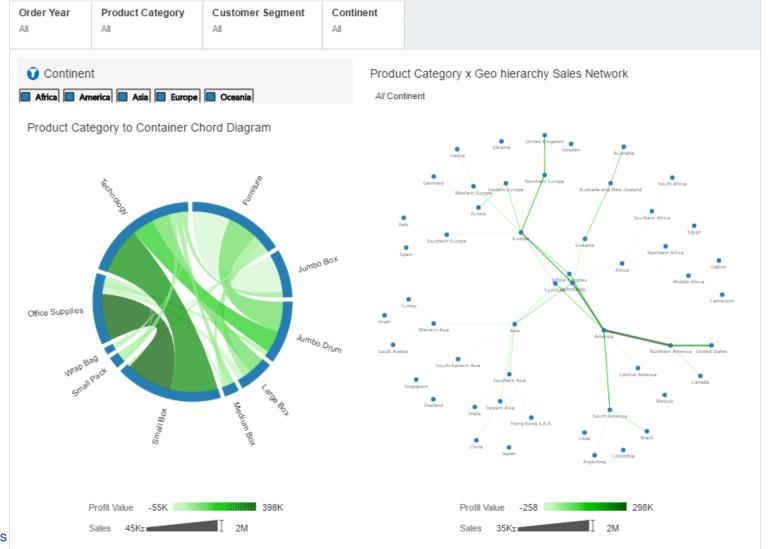
Sample Project - Revenue Trend







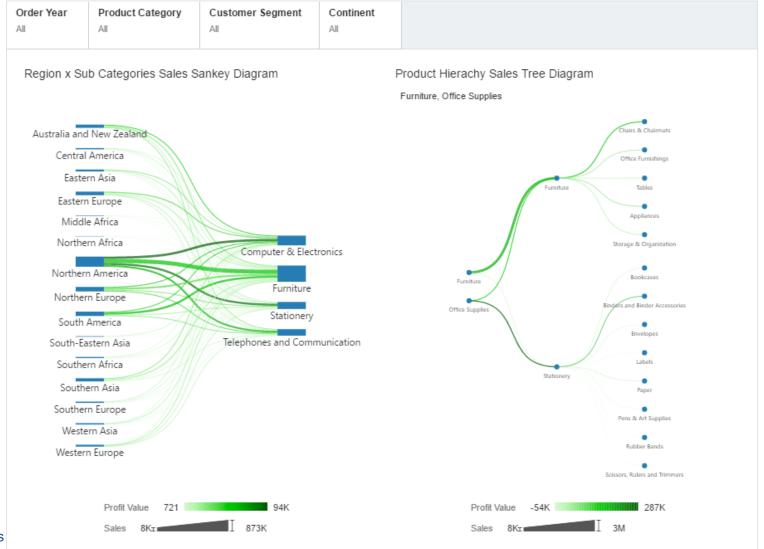
Sample Project - Chord Diagram







Sample Project - Sankey







Sample Project - Timeline

