New Features in Oracle Analytics Cloud 105.3.0

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Future and past TechCasts:

Submit a topic to share at https://analyticsanddatasummit.org/techcasts/

Formerly called the BIWA Summit with the Spatial and Graph Summit
Same great technical content...new name!
www.AnalyticsandDataSummit.org
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 11g”
- Co-author of book “Oracle Essbase & Oracle OLAP”
- Creators of the Force Directed Graph Plugin on the Oracle Analytics Library
- Oracle University Partner
- Oracle Gold Partner
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

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

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Use Questions or Chat or Questions to communicate

Oracle Business Intelligence Webinars

2019

- New Features in Oracle Analytics Cloud 105.2.0
  - Webcast April 23, 2019 - Register Now!
- Introduction to OAC Running on ADW
  - Webcast March 6, 2019 - Watch Replay
- New Features in Oracle Analytics Cloud 19.1.1
  - Webcast February 27th, 2019 - Watch Replay

2018

- What’s New in OAC
  - Webcast September 27th, 2018
    - Data Preparation Enhancements
    - Data Visualization Enhancements
    - Data Flows Enhancements
OAC 105.3.0 Selected New Features Overview

A. Admin / OCI (Oracle Cloud Infrastructure)
   1. Pause/Resume services
   2. Scale up/down for Subscription SKUs
   3. Enhanced Service Admin Console

B. Data Sources
   4. Data Gateway (Source from On Prem)
   5. RDC for Teradata data-sources
   6. SSL for Redshift
   7. Essbase Alias in DV sources

C. Data Visualization
   8. NLG – Language Narrative
   9. Pivot Tables enhancements
   10. Viz tooltips on/off toggle
   11. ETS (Error, Trend, Seasonal) Forecast
   12. Canvas Experience enhancements
      • Rename and copy
      • Enable/Disable Brushing
      • Single Refresh Data
   13. Recommendation Enhancements

D. BI Publisher
   14. Audit Feature Support
   15. Auto Scaling

To be demoed live in OAC 105.3.0 webinar
Start/Stop/Scale Services

Stop, start services, increase or decrease OCPUs or Users
Updated Service Admin Console

New Layout for OAC Admin Console

Drop-down list of values for configuration parameters
Data Gateway

Deploy Data Gateway within your network

Register your Data Gateway on your OAC

Create OAC connections directly to your On Prem DBs
Alias table for Essbase sources

Set Aliases in Essbase outline

Select Alias while creating datasets in DV

View Aliases in DV
New Viz – Language Narrative

Language Visualization with Settings to control Language, Detail and Analysis

Language Option

Level of Detail

Trend/Breakdown Analysis

Profit by Product Category. Order Date (Year)

The data represents the Profit for the following Product Categories: Technology, Office Supplies and Furniture.

A single Product Category accounts for more than half of the total: Technology, with 729,963.

The two other Product Categories combined make up the rest of the list, accounting for 43.83% of the total.

When taken together, the three Product Categories amount to a total value of 1,300,000, an average of 433,333.

Your first dimension seems to be unordered. Unordered means that the data is not in chronological order. This chart is commented as if you had added together all the Order Date (Year)’s. Stay tuned, future releases will improve captions for unordered dimensions.
### Pivot Table enhancements

**Single click sort**

**Default headers to on**

**Pivot Table Tooltips**

**Edit Totals Coloring**

<table>
<thead>
<tr>
<th>Product Sub Category</th>
<th>Consumer</th>
<th>Corporate</th>
<th>Home Office</th>
<th>Small Business</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appliances</td>
<td>12,390.93</td>
<td>49,034.39</td>
<td>24,306.45</td>
<td>3,498.34</td>
<td>108,309.74</td>
</tr>
<tr>
<td>Binders and Binder Accessories</td>
<td>60,544.00</td>
<td>40,345.00</td>
<td>30,104.80</td>
<td>10,543.14</td>
<td>145,611.60</td>
</tr>
<tr>
<td>Books &amp; Cases</td>
<td>7,330.68</td>
<td>-4,391.10</td>
<td>-18,687.45</td>
<td>-3,452.40</td>
<td>145,611.60</td>
</tr>
<tr>
<td>Chairs &amp; Chaises</td>
<td>45,387.43</td>
<td>38,240.69</td>
<td>35,273.00</td>
<td>30,510.40</td>
<td>88,597.87</td>
</tr>
<tr>
<td>Computer Peripherals</td>
<td>10,421.43</td>
<td>30,255.79</td>
<td>13,783.03</td>
<td>14,137.65</td>
<td>66,597.87</td>
</tr>
<tr>
<td>Copiers &amp; Fax</td>
<td>25,032.55</td>
<td>31,055.61</td>
<td>17,515.82</td>
<td>56,500.73</td>
<td>130,104.71</td>
</tr>
<tr>
<td>Envelopes</td>
<td>5,384.91</td>
<td>13,925.35</td>
<td>8,005.86</td>
<td>13,700.21</td>
<td>41,614.36</td>
</tr>
<tr>
<td>Labels</td>
<td>549.54</td>
<td>2,087.04</td>
<td>2,062.46</td>
<td>2,267.40</td>
<td>7,330.40</td>
</tr>
<tr>
<td>Office Furnishings</td>
<td>10,010.12</td>
<td>17,631.70</td>
<td>39,812.22</td>
<td>13,443.52</td>
<td>60,697.56</td>
</tr>
<tr>
<td>Office Machines</td>
<td>18,884.93</td>
<td>123,505.82</td>
<td>48,244.40</td>
<td>42,888.23</td>
<td>231,523.38</td>
</tr>
<tr>
<td>Paper</td>
<td>4,119.89</td>
<td>10,280.10</td>
<td>5,786.32</td>
<td>7,349.92</td>
<td>28,558.14</td>
</tr>
<tr>
<td>Pens &amp; Art Supplies</td>
<td>3,685.04</td>
<td>1,837.69</td>
<td>1,564.25</td>
<td>2,087.02</td>
<td>8,977.00</td>
</tr>
<tr>
<td>Rubber Bands</td>
<td>315.00</td>
<td>-331.52</td>
<td>-166.96</td>
<td>170.03</td>
<td>-2.17</td>
</tr>
<tr>
<td>Scissors, Rulers, &amp; Trimmers</td>
<td>-249.95</td>
<td>-2,603.17</td>
<td>-634.69</td>
<td>-149.51</td>
<td>-3,308.41</td>
</tr>
<tr>
<td>Storage &amp; Organization</td>
<td>-214.34</td>
<td>5,671.93</td>
<td>7,536.68</td>
<td>5,494.19</td>
<td>17,942.45</td>
</tr>
<tr>
<td>Tableau</td>
<td>-12,177.77</td>
<td>-15,633.53</td>
<td>-30,862.82</td>
<td>4,320.44</td>
<td>-54,306.68</td>
</tr>
<tr>
<td>Telephones &amp; Communication</td>
<td>46,056.16</td>
<td>122,100.11</td>
<td>77,923.82</td>
<td>53,656.85</td>
<td>299,736.84</td>
</tr>
<tr>
<td>Total</td>
<td>209,468.75</td>
<td>523,013.81</td>
<td>270,841.31</td>
<td>317,173.11</td>
<td>1,380,000.00</td>
</tr>
</tbody>
</table>

**Pivot Table Tooltips**

- **Sales**
- **Discount**

**Edit Totals Coloring**

- **Data Point (Consumer, Grand Total)**
Table to Pivot - Columns arranged automatically

<table>
<thead>
<tr>
<th>Product Category</th>
<th>Customer Segment</th>
<th>Profit</th>
<th>Sales</th>
</tr>
</thead>
<tbody>
<tr>
<td>Furniture</td>
<td>Consumer</td>
<td>50,566.74</td>
<td>648,536.06</td>
</tr>
<tr>
<td>Furniture</td>
<td>Corporate</td>
<td>35,845.70</td>
<td>902,727.04</td>
</tr>
<tr>
<td>Furniture</td>
<td>Home Office</td>
<td>25,354.97</td>
<td>765,333.79</td>
</tr>
<tr>
<td>Furniture</td>
<td>Small Business</td>
<td>44,381.04</td>
<td>626,656.23</td>
</tr>
<tr>
<td>Office Supplies</td>
<td>Consumer</td>
<td>50,172.94</td>
<td>401,066.87</td>
</tr>
<tr>
<td>Office Supplies</td>
<td>Corporate</td>
<td>100,205.51</td>
<td>700,006.40</td>
</tr>
<tr>
<td>Office Supplies</td>
<td>Home Office</td>
<td>89,819.29</td>
<td>555,668.44</td>
</tr>
<tr>
<td>Office Supplies</td>
<td>Small Business</td>
<td>105,156.81</td>
<td>474,265.44</td>
</tr>
<tr>
<td>Technology</td>
<td>Consumer</td>
<td>100,308.07</td>
<td>672,126.45</td>
</tr>
<tr>
<td>Technology</td>
<td>Corporate</td>
<td>300,917.30</td>
<td>1,376,426.04</td>
</tr>
<tr>
<td>Technology</td>
<td>Home Office</td>
<td>130,407.07</td>
<td>786,597.04</td>
</tr>
<tr>
<td>Technology</td>
<td>Small Business</td>
<td>137,183.48</td>
<td>830,653.64</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Product Category</th>
<th>Customer Segment</th>
<th>Profit</th>
<th>Sales</th>
</tr>
</thead>
<tbody>
<tr>
<td>Office Supplies</td>
<td>Corporate</td>
<td>100,255.61</td>
<td>700,006.40</td>
</tr>
<tr>
<td>Office Supplies</td>
<td>Home Office</td>
<td>88,818.28</td>
<td>555,668.44</td>
</tr>
<tr>
<td>Office Supplies</td>
<td>Small Business</td>
<td>105,156.81</td>
<td>474,265.44</td>
</tr>
<tr>
<td>Technology</td>
<td>Consumer</td>
<td>100,308.07</td>
<td>672,126.45</td>
</tr>
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<td>Corporate</td>
<td>300,917.30</td>
<td>1,376,426.04</td>
</tr>
<tr>
<td>Technology</td>
<td>Home Office</td>
<td>130,407.07</td>
<td>786,597.04</td>
</tr>
<tr>
<td>Technology</td>
<td>Small Business</td>
<td>107,183.40</td>
<td>839,003.84</td>
</tr>
</tbody>
</table>
Viz enhancements

Tooltip on/off to control tooltip format on mouseover
ETS algorithm for Forecast

ETS model for Forecasting using right click option or as a calculation.
While viewing a canvas, you can edit properties of a different canvas without actually navigating to it.
Enable/Disable Brushing Behavior

At canvas level

<table>
<thead>
<tr>
<th>Canvas Properties</th>
</tr>
</thead>
<tbody>
<tr>
<td>Name</td>
</tr>
<tr>
<td>Layout</td>
</tr>
<tr>
<td>Width</td>
</tr>
<tr>
<td>Height</td>
</tr>
<tr>
<td>Brushing</td>
</tr>
<tr>
<td>Synchronize Visu.</td>
</tr>
</tbody>
</table>

At project level

<table>
<thead>
<tr>
<th>Project Properties</th>
</tr>
</thead>
<tbody>
<tr>
<td>General</td>
</tr>
<tr>
<td>Color Series</td>
</tr>
<tr>
<td>Continuous Coloring</td>
</tr>
<tr>
<td>Brushing</td>
</tr>
<tr>
<td>Save thumbnails</td>
</tr>
</tbody>
</table>

Brushing on/off indicator at the bottom of the canvas
Enable Monitor and Audit Flag and set Audit Level to Medium

Create a JNDI data source with JNDI name as jdbc/AuditViewDataSource

Restrict access to this Audit data source to intended users
Upload Sample Audit Reports from OTN. Layouts can be customized or new layouts can be created against data models provided with Sample Reports.
Demo OAC BI Features
You’re cordially invited to the Analytics and Data Summit / BIWA User Community OpenWorld Reception

Tuesday, September 17, 2019, 5:00 PM – 7:30 PM
Oola Restaurant & Bar, 860 Folsom Street
(A five-minute walk from OpenWorld)

Join the BIWA User Community, organizer of the annual Oracle Analytics and Data Summit, for drinks, heavy appetizers, and networking with the Oracle Analytics, BI, Big Data and Machine Learning product management and marketing, customer, and partner communities.

Please register here by Tuesday, September 10th:
https://bit.ly/2Zaa2St

As a result of overwhelming demand, you’ll need to register and to be approved to attend with a ticket or else you won’t be able to gain entrance to the event.

Thank you to our event sponsors!

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


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

YouTube video playlist on OAC 105.3.0 new features https://www.youtube.com/playlist?list=PL6gBNP-Fr8KUC_aS_d7aFfrDY6E3C4xGE

Course on Oracle Analytics www.udemy.com/augmented-analytics

Getting started on Oracle Analytics blog article http://www.vlamis.com/blog/2019/7/11/getting-started-with-oracle-analytics