Oracle® Analytics

What's New for Oracle Analytics Desktop

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What's New for Oracle Analytics Desktop

Here's an overview of the new features and enhancements we've added recently to improve your Oracle Analytics Desktop experience. It's organized by the update that a specific features or capabilities became available in.

Topics:

- March 2023 Update (7.1)
- Earlier Updates

March 2023 Update (7.1)

Exploring, Dashboarding, and Storytelling

Feature	Description
Conditional formatting - rule blending	Blend rule styles. For example, allow one rule to color a cell and another rule to make the cell's font bold. See Add Conditional Formatting to Data.
Parameters for reusable values	Create parameters in a workbook to use like variables to store and manage reusable values. You can use parameters as selectors that allow users to change their view of the data. You can also use parameters as controls, in a visualization's properties, in logical SQL expressions, expression filters, calculations, and in data actions and workbook navigation. See What Are Parameters? and Create a Parameter.
Show or hide the filter bar on dashboards	When designing a dashboard in the workbook's Present page, you can chose to show or hide the filter bar in the dashboard. See Show or Hide the Filter Bar on the Dashboard.
Watchlists for easy access to content	Provide targeted links to analytics content from the Home page more easily and effectively. See Create a Watchlist.

Data Connectivity, Modeling, and Preparation

Feature	Description
Connect to MySQL Heatwave	Create analytics content based on MySQL Heatwave databases. See Supported Data Sources.
Connect to Vertica	Create analytics content based on Vertica databases. See Supported Data Sources.

Augmented Analytics and Machine Learning

Feature	Description
AutoML mode in data flows	Let Oracle Analytics create a prediction model for you using the AutoML capability in Oracle Autonomous Data Warehouse. See Train a Predictive Model Using AutoML in Oracle Autonomous Data Warehouse.

Earlier Updates

January 2023 Update (7.0)

Exploring, Dashboarding, and Storytelling

Featrue	Description
Control data refresh overlays in visualizations	Control how overlays are shown in visualizations using the Visualization Overlay property of workbooks. See Set Visualization Loading Overlay Opacity.

Featrue	Description
Display rows and columns of null values in pivot tables	Control how rows and columns of null values are displayed in pivot tables. This is especially useful when the top member of a hierarchy has a null value in Oracle Fusion Cloud Enterprise Performance Management or Oracle Essbase. See About Visualization Properties.
Configure the grid spacing between visualizations on the canvas	Configure the spacing of visualizations on the grid on the canvas. Use the Grid Guidelines property when the canvas is in Freeform mode. See Align visualizations Using Canvas Grid Guidelines.
Improved experience for the Grammar and Property panels	Easily navigate on the Property panel, which is now adjacent to the Grammar panel on all workbooks. You see a message alerting you to the workbook being in authoring mode.
Improved Home page	Easily navigate on the redesigned and styled Home page and take advantage of customization options.
Improved tile visualization	Try the improved tile visualization that allows you to add metrics to the tile while providing the layout and positioning of labels and values of the primary and secondary measures. See Filter and Other Visualization Types.
Improved Explain experience and segmentation algorithm	Try the improved user experience and enhanced algorithm supporting the Segmentation tab in Explain. Easily configure input for segmentation and export identified segments to use them directly on canvases. See Use Explain to Discover Data Insights.
Control bubble sizes on maps	Use bubbles to represent dots on a map. Set a minimum and maximum size in pixels for these bubbles, to control how cluttered the map looks depending on its zoom level and the density of the dots. See Apply Multiple Data Layers on a Single Map Visualization.
Assign a map background to map layers	Configure map backgrounds and layers to make it easier for workbook designers to build map visualizations. See Update Custom Map Layers.

November 2022 Update (6.9)

Exploring, Dashboarding, and Storytelling

Feature	Description
Filter data using a slider	Filter visualizations using a slider dashboard filter. You can visualize how your data changes interactively by selecting a measure value, or by playing through the measure automatically to display an animation. See Overview to Filtering and Animating Visualizations Using a Slider Dashboard Filter.
Control workbook filter interactions from the filter bar	Control how all workbook filters interact from the workbook's filter bar. From the filter bar you can limit all related filters as specified for each filter, or turn off the limit by functionality. See Enable or Disable the Limit By Setting from the Filters Bar.
Customize the appearance of the workbook header bar	Authors can show or hide the header bar, and customize the background and the text. Consumers can view the header bar configured by the author.

Feature	Description
Thumbnails blurred to hide data	Workbook thumbnails displayed on the home page are blurred to hide sensitive content. Content authors can hide the thumbnail for individual workbooks as required. See Set Workbook Thumbnails.

Data Connectivity, Modeling, and Preparation

Feature	Description
Improved methodology of dataset semantic profiling	Enhancements to the random sampling depth and methodology that drives augmented features such as quality insights and recommendations. See What are Quality Insights?.
Toggle sample data previews in metadata views	Allow users to switch off sample data previews in Metadata view to improve their user experience when previews aren't required. See Configure Columns Properties in a Dataset.
Transform data with Convert to Date recommendations	Transform unrecognized dates more easily using single-click Convert to Date recommendations. See Accept Enrichment Recommendations.

September 2022 Update (6.8)

Exploring, Dashboarding, and Storytelling

Feature	Description
Add your own custom table headers	Add your own custom headers for tables and pivot tables. See About Visualization Properties.
Create composite card style tile visualizations	Create composite card style tile visualizations to include up to three measures, and define the layout and sizing properties of each measure. See Filter and Other Visualization Types.
Create personalized no-data messages	Create your own message to display when no data is found in a visualization. See Create a Custom Error Message for Visualizations with No Data.
Filter data more easily	Filter your data more easily using a new compact filter bar giving quick access to popular filters such as Top-Bottom N and Exclude or Include. See Filter Data in a Workbook.
Provide personalized tooltips for calculations	Provide additional information for My Calculations by entering a description for a calculation. The description displays in the tooltip of a calculation. See Create Calculated Data Elements in a Workbook.

Data Connectivity, Modeling, and Preparation

Feature	Description
Convert data to AM and PM format more easily	Convert data to AM and PM format more easily in the dataset editor. See Convert Text Columns to Date or Time Columns.

Feature	Description
Prepare data more quickly	Prepare your data immediately while Oracle Analytics Cloud profiles the data quality in the background. See About Data Enrichment and Transformation in Oracle Analytics.
Prepare multiple data columns more easily	Prepare multiple data columns at the same time in the dataset editor. See Configure Column Properties in a Dataset.

July 2022 Update (6.7)

Exploring, Dashboarding, and Storytelling

Feature	Description
Overlay charts	Use overlays to build multi-layered visuals in serveral more chart types, such as stacked bar charts with line, area, and category. You can also control the transparency of each layer. See Bar Graphs.
Open workbooks in view mode	Workbooks open in view mode by default. You can use the *Open as a Viewer* property to change the workbook's default setting. See Configure a Workbook to Open in Edit Mode.

May 2022 Update (6.6)

Data Connectivity, Modeling, and Preparation

Feature	Description
Add files to datasets with multiple tables	You can add files to datasets with multiple tables. When you create a dataset, you can add tables from relational sources, local subject areas, and files. Each new entity created in datasets can be based on any of these data sources. This enables you to add multiple files to one dataset where each file becomes a table and to define joins between tables within a dataset. See Create a Dataset from a File Uploaded from Your Computer.
Add files from Dropbox and Google Drive to datasets with multiple tables	You can add files from Dropbox or Google Drive to a dataset with multiple tables. See Create a Dataset from a File Uploaded from Dropbox or Google Drive.

March 2022 Update (6.5)

Data Connectivity, Modeling, Preparation

Feature	Description
Filter based on valid and invalid data in quality insights.	Quality Insights provides clear statistics about the validity of column values. Interact with the insight to filter column values based on their validity or invalidity. See Explore Your Data Using Quality Insights.

Exploring, Dashboarding, and Storytelling

Feature	Description
Apply conditional formatting to performance tiles.	Define conditional formatting for performance tiles along with other visualization types. See Apply Conditional Formatting to a Visualization.
Provide authors fine-grain control on consumer options.	Authors have fine-grain controls in Present to set visualization actions for consumer interactions on the dashboard (for example Export, Copy Data, Drill, Sort, and Zoom).
Control the dashboard filter bar.	In the dashboard filter list box, use multiple filter options in the same control. Instead of putting six list boxes on the screen, manage a single filter bar with drop-down selections. See Create Dashboard Filters.

January 2022 Update (6.4)

Exploring, Dashboarding, and Storytelling

Feature	Description
Redwood Design	Oracle Analytics fully adopts the new Oracle Design Concepts code-named Redwood. Product look and feel, as well as default colors and fonts will follow the Redwood guidelines created over years of research with close attention to usability and accessibility.
My Calculations Properties	Custom calculations in workbooks show similar properties to other measures.
Consumer Mode Navigation: Bottom Tabs	Authors have a new Bottom Tabs presentation style for curating the consumer navigation experience. Authors can select this style from the Presentation property panel.
Change Settings for Multiple Columns	Save time when changing settings for multiple columns. Multi-select columns in the Metadata view to change the Data Type, the Treat As setting, the aggregation type, and the hide setting for more than one column at once. See Configure Columns Properties in a Dataset.
Inner radius of a donut chart	In a donut chart, control the radius of the donut hole. See Pie and Treemap Graphs.

Augmented Analytics and Machine Learning

Feature	Description
Streamlined Advanced Analytics capabilities for some sources	For some datasets such as Oracle EPM and Essbase, we've streamlined the user-interface for advanced analytics so that you won't produce unexpected results.
XGBoost and Neural Network Algorithms for Machine Learning	Register and apply XGBoost and Neural Network algorithms with Machine Learning.

October 2021 (Release 6.3)

Feature	Description
Oracle Transactional Business Intelligence and remote Oracle Analytics Server and Oracle Business Intelligence Enterprise Edition sources for datasets with multiple tables	Use the Oracle Applications connection to add tables from Oracle Transactional Business Intelligence and remote Oracle Analytics Server and Oracle Business Intelligence Enterprise Edition subject areas and reports to datasets containing multiple tables. See Create a Dataset from an Oracle Application's Subject Area and Create a Dataset from an Oracle Application's Analysis.
Position tables and pivot tables	Format visualizations more easily with enhanced positioning of tables and pivot tables.
Compute machine learning model lift and gain values	Evaluate prediction machine learning models more effectively using lift and gain statistics that you can visualize. See Evaluate Machine Learning Models Using Lift and Gain Charts.
Projects renamed to Workbooks	In the Oracle Analytics user interface and user assistance, "projects" have been renamed to "workbooks." Use workbooks to organize your visualizations just as you've done for projects.

August 2021 (Release 6.2)

Feature	Description
Connect to Microsoft Azure Synapse	Visualize data from Microsoft Azure Synapse data sources. See Supported Data Sources.
Expression filters for entities in datasets with multiple tables	Use expression filters in datasets that contain multiple tables. See Apply a Filter to a Dataset Table.
Refresh profile results and recommendations	Refresh profile results and enrichment recommendations after you add or update custom knowledge. See Accept Enrichment Recommendations.
Annotations on canvases	In Visualize, add notes to canvases and tie notes to specific data points. See Add Notes to a Visualization.
Enhanced map visualizations with Mapbox libraries	Access smooth and powerful interactions with map visualizations through client-side libraries from Mapbox GL and WebGL.

Feature	Description
Select multiple visualizations on a canvas	Multi-select visualizations on a canvas to easily change shared properties for groups of content. See Work with Multiple Visualizations on a Canvas.

July 2021 (Release 6.1)

Feature	Description
Enable Oracle's Redwood experience	Use the preview dialog to enable Oracle's Redwood theme in Oracle Analytics before it becomes the default look and feel.
Conditional formatting	Use conditional formatting to highlight important data events in your visualizations so that you can take action. See Apply Conditional Formatting to a Visualization.
Null values in list filters	When a list filter with a large number of values is displayed, the list is refreshed when the user pages and when all possible values in the current page are selected. See Apply List Filters.
Automatic refresh of list filters	When a list filter with a large number of values is displayed, the list is refreshed when the user pages and when all possible values in the current page are selected. See Apply List Filters.
Control presentation mode interactivity for stories	When defining a story in Narrate, you can use the context menu to turn on and off the user interactivity options for the story in presentation mode.
Sort data in visualizations by columns that aren't in the visualization	Sort data in a visualization by a column that's not included in the visualization. See Sort, Drill, Select Data, and Apply Statistics in Visualization Canvases.
Print visualizations on canvases with enhanced options	Print visualizations on canvases with logical default print sizes based on the printing target and enhanced options for various sources. See Print a Visualization, Canvas, or Story.
Auto-join option in datasets with multiple tables	Use the Auto Join Tables option to turn off or on automatic join creation in datasets. By default, joins are created automatically when you drag and drop tables onto the Join Diagram. In some cases it's useful to turn auto joins off and build joins manually. See Disable Auto Joins in Datasets.

May 2021 (Release 6.0)

Feature	Description
Hierarchy navigation for Essbase and EPM data sources	Navigate Essbase or Enterprise Performance Management (EPM) hierarchies when connecting to subject areas or datasets. You can drill up and down the hierarchy tree in pivot and table visualizations. You can't use hierarchies in filters but you can use a hierarchy level in a filter. See Sort and Select Data in Visualization Canvases.

Feature	Description
Customize auto-refresh in visualizations	Set the frequency at which the data automatically refreshes in visualizations on a canvas. See Visualize Canvas Layout and Properties.
On-canvas filter types	Select various on-canvas filter types such as Top Bottom N and Relative Time. See Create On-Canvas Filters and Apply Different Filter Types.
On-canvas date filters	Use the on-canvas date selector and the relative time filter for date filters. See Create On-Canvas Filters and Apply Different Filter Types.
On-canvas measure filters	Use the on-canvas measure selector and the top and bottom time filter for measures. See Create On-Canvas Filters and Apply Different Filter Types.
Tooltips on visualization titles	Enter your own tooltip text to display when you hover over a visualization title. See Visualize Properties.
Improved sort options	Use the Sort dialog to configure sorts and clearly see the sort order and any sort conflicts. See Sort and Select Data in Visualization Canvases.
Time series forecasting	Perform time series analysis forecasting directly from data flows. See Add a Time Series Forecast to a Data Flow.
Graph analytics	Enhance your geospatial visualizations using powerful spatial analytics functions. For example, you can compute the shortest path between two vertices or identify connected vertices in the graph. See Add Graph Analytics to a Data Flow.
Improved home page search	Enter advanced search commands in the search bar to tailor your search results for exact matches, multi-term matches, and field-level matches. See Advanced Search Commands for Finding Content.
Map layers in non-joined datasets	Create map layers in a visualization where the data between the layers isn't joined. See Apply Multiple Data Layers on a Single Map Visualization.
Average aggregation in Waterfall visualizations	When you add a Detail to a Waterfall visualization, the weighted average is calculated and displayed in the Bridge report.
Connect to Google BigQuery	Analyze data from Google BigQuery data sources. See Connect to Google BigQuery.
Datasets with multiple tables	Perform self-service data modeling with datasets by adding multiple tables to a dataset from one or more relational data source connections. See Create a Dataset from a Connection.
Data quality insights	Explore your data, and use a visual overview of your content to assess and improve data quality. See Explore Your Data Using Quality Insights.
Frequent Item Set function supports association rules	Create more powerful Frequent Item Set analyses using enhanced algorithms. See Database Analytics Functions.
Oracle machine learning supports Feature Extraction	Apply a registered Oracle machine learning Feature Extraction model's view to a data flow. See Apply a Predictive or Oracle Machine Learning Model to a Dataset.

January 2021 (Release 5.9)

Feature	Description
Data Action: Avoid passing duplicate filters	When you create a data action using multiple data points to filter another canvas, and you return to the original canvas and invoke the data action using different data points, the new expression filter replaces the previous filter on the target canvas.
Data Action: Support single/multi selection	You can restrict the invocation of a data action to work only for a single value by setting **Supports Multiple Selection** to Off. You set this when the selection of multiple data points will result in an error (for example, with some third-party REST APIs).
Show database model full details in Oracle Analytics Cloud inspectors - Model Explainability	Oracle Analytics provides explainability about your registered Oracle machine learning models. Outputs describe how the Oracle machine learning model computes the predicted results for each record in the dataset and allow you to aggregate these results.
Show database model full details in Oracle Analytics Cloud inspectors - Visualize Database Views	Visualize a registered Oracle machine learning model's views to better understand the model and iteratively improve the model's overall accuracy.
Ability to add new map backgrounds	You can add a map hosted on a web server as a map background using the Web Map Service (WMS) protocol and XYZ tile layers.
Apply no sort to data	In visualizations, data is always sorted by default. You can use the **Sort By None** option to "unsort" or return the data to its original order.
Area chart visualization	In addition to the stacked area and 100% stacked area, you can visualize data in an area chart.
Improved chrome density in the data panel	The data panel across all visualization editors uses horizontal tabs instead of vertical tabs, and the density of the tree content is increased.
Improved progress bar behavior	The blue bars that were previously visible across the screen when data was refreshed have been removed. The data refresh experience is more subtle. Hover the mouse pointer over a visualization to see refresh details or to cancel.
Pass filters between the filter bar and visualizations	Filters for a canvas or project are defined on the top bar, and filters for a visualization are defined on the grammar. You can move a filter from one scope to another.
Respect the canvas aspect ratio when exporting	You can select to maintain the canvas aspect ratio, ensuring that the outcome is closest to your intent.
Sort by multiple columns	You can select multiple sort columns for a visualization. You can create nested sorts based on a combination of the attributes and measures in the visualization.
Trim spaces on text columns	You can easily trim or remove leading and trailing spaces on text columns using the transform options menu.
Support for database text tokenization in data flows	An advanced text-analytics technique is applied to user data to identify and list the words most frequently appearing within a text data-column.

Feature	Description
Support for Database Frequent Item Set (Market Basket) in data flows	Discover relationships in your data by identifying sets of items that often appear together. This data mining technique is known as association rule learning, affinity analysis, and market basket analysis.

September 2020 (Release 5.8)

Feature	Description
Consistent legend properties across visualizations	The following visualizations have properties (such as location and fonts) added to their legend: Sankey, Network, Tree Diagram, and Chord.
Image backgrounds for heat maps	Visualize data with heat map layers on your custom image maps.
Single header on all pages	The user interface in Oracle Analytics has been enhanced with a single header that helps to maximize your workspace. With the content density provided, you can realize the benefits of your viewing capability with a modernized user interface and improved navigation.
Enrichments for live datasets	You can leverage enrichments for live datasets along with cached or file-based datasets.

July 2020 (Release 5.7)

Feature	Description
Spark charts within performance tiles	You can liven up your visualizations with spark charts added to tiles.
Responsive canvas layouts	You can use controls for setting vertical and horizontal scrolling of canvas reports and automatic responsive design across screen resolutions.
On-canvas filters	You can add on-canvas filters that allow users to choose, change, and apply filters to attribute columns within some or all of the visualizations on the canvas.
Oracle machine learning models and Oracle Analytics Desktop	In Oracle Analytics Desktop, you can register and use Oracle machine learning models to model, score, and output large datasets on the database. You can register and use Oracle machine learning models from Oracle Database and Oracle Autonomous Data Warehouse connections.
Top/Bottom filters for attributes	Add a Top/Bottom filter for an attribute and then pick the measure. Previously you could only add the Top/Bottom filter for a measure and then pick the attribute.
Bridge reports	You can use the Waterfall visualization to build a bridge report. A bridge report groups data by contributions of each member to the overall variation between values of categories. For example, show the respective contribution of various products to the total sales variation year by year.

Feature	Description
Database Advanced Analytics functions in data flows	You can consume advanced analytics functions from Oracle Autonomous Data Warehouse and Oracle Database. These include Dynamic Clustering and Dynamic Anomalies, Unpivoting of columns and rows, and Smart sampling.

Documentation Accessibility

For information about Oracle's commitment to accessibility, visit the Oracle Accessibility Program website at http://www.oracle.com/pls/topic/lookup?ctx=acc&id=docacc.

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