

ORACLE
Analytics

Oracle Analytics Server 2025

Key Innovations from 5.9



New Innovations in Oracle Analytics 2025 Release

- Create precise relative time workbook filters
- Create and share workbook canvas templates
- Control the default behavior for the Limit Values By option in workbooks
- Embed workbooks in presentation mode
- Deploy static reference layers to maps
- Switch between auto and manual Present modes
- Bind a parameter to exclude filter values
- Set locale and language preferences in your user profile
- Add time series functions
- Persist Auto Insights column selections and insight types
- Create canvases with enhanced layout
- Filter deliveries more efficiently
- Grant permissions to analytics users at a finer grain than previously possible
- Deploy OCI Face Detection models
- Organize your workbook calculations
- Generate email delivery reports
- Export content to Excel from embedded visualizations
- Hide columns in visualizations
- Share a workbook URL with persisted filter values
- Add a Checkbox / Radio Button filter selector to dashboards
- Create custom groups of home page artifacts
- Refresh Auto Insights to include filters
- Create improved Sankey visualizations
- Monitor data load history programmatically
- Create calculations more easily
- Add filters on file-based datasets
- Use Contextual Insights to understand your data
- Connect to OData V4
- Connect to Delta Sharing using bearer token
- Create datasets from files stored in OCI Object Storage
- Manage the content catalog more easily
- Connect to Delta Share
- Create parameters with derived dates
- Validate and block queries in analyses
- Bind parameters to Top/Bottom N filters
- Monitor run history for data flows and sequences programmatically
- Deploy vector-based map backgrounds
- Enrich data with Digit-Only Keys in Custom Knowledge
- Assess machine learning models using quality metrics
- Bind parameters to request variables
- Convert canvas filters to dashboard filters
- Enable semantic models to load faster
- Connect to Oracle Database with user credentials
- Use selection steps in workbooks
- Obfuscate content more selectively
- Deploy custom models for document classification and key value extraction
- Add conditional formatting for attributes
- Apply conditional formatting to totals and subtotals
- Manage recipients for your deliveries in one place
- Display reference lines in attribute columns
- Save background, border, and shadow styles to canvas templates
- Deploy custom OCI Language models
- Understand updates to catalog crawl scheduling
- Save time when changing the time zone for multiple deliveries
- Add tooltips to static reference map layers
- Deploy OCI Language models more easily
- Create custom tooltips in workbooks
- Create and share workbook themes
- Bind parameters to relative time filters
- Control how workbook consumers configure maps
-**AND MORE**



New Innovations in Oracle Analytics 2024 Release

- Filter workbooks using a list box
- Style maps more easily
- Deploy AI Language PII identification models
- Bind parameters to list filters
- Format negative numbers in red more easily
- Invoke pre-defined OCI Document Understanding models
- Semantic Modeler
- Connect to an Oracle Analytic Views instance
- Create data actions that use the PATCH method
- Schedule data flows more easily
- Personalize workbook filter values
- Auto Apply setting for parameters on filter bars
- Show details on geometries on maps
- Bind parameters to range filters
- Create parameters with a single click
- Visually demarcate sections with line spacers
- Format negative y-axis values
- Curate compelling workbooks with Present enhancements
- Enrich your data from the visualize canvas
- Reorder columns in data flows
- Role-based filters
- Provide custom label names and set the selection mode
- Enhanced search with synonyms
- Export table data to Excel format
- Visually demarcate sections with line spacers
- Specify workbook and canvas header toolbar options
- Draw reference lines for time based category columns
- Prompt dashboard users for filter values
- Delete mail server configuration
- Use calculation columns for parameter available values
- Bind double-column parameters to double-column list filters
- Time filter for deliveries
- Watchlists for easy access to content
- Navigate canvases using top tabs
- Format colors in regions and point layers
- Parameters for reusable values
- Create parameters for subject area double columns
- List box dashboard filter options
- Annotate workbook data with icons and emojis
- Auto Insight type selector
- Copy and paste grammar columns (accessibility)
- Connect to Google Analytics V4
- Control validation of parameter values in workbooks
- Connect to a data source with a REST endpoint
- Format parameter values
- Configure a usage tracking database in Semantic Modeler
- Control the user inactivity timeout
- Sign out inactive users automatically
- Transform data using replace
- Generate parent-child relationship table scripts
- Create data actions from tiles
- Settings Pane available on all tabs in Explain
- Advanced database connection information
- Connect to Delta Share
- Custom labels for tile secondary measures
- Connect to Vertica
- Add descriptions to tile visualizations
- Share workbook links with options including QR code
- Support for multiple digital signatures
- Aggregate text columns in data flows
- Control zoom in workbooks
- Create and manage watchlists as a consumer user
- Select a data column for parameter values
- Control form actions in safe domains
- Display or hide the visualization toolbar
- Create data actions from measures on composite tiles
- Connect to Snowflake for Publisher
- Format numbers with abbreviations in visualizations
- Conditional formatting - rule blending
- Format dates and times for subject area items
- Show or hide the filter bar on dashboards



New Innovations in Oracle Analytics 2023 Release

- Workbook variables/parameters
- Turn off visualization refresh overlay
- Show Null Rows/Columns in Pivot
- Snap to Grid for Free Form
- Updated Home Page
- Updated/New performance tile
- Maps: Controlling bubble sizes
- Maps: Assign map background to layers
- Header bar properties for Consumer Experience
- Limit By control for Workbook filter bar (default setting for the entire bar)
- Reduce thumbnails security concern by adding blur
- Workbook dataset replace for joined datasets
- Simplified add data dialog
- Composite visuals - Tile on Viz
- Updated filter bar experience (improve density and experience)
- Improved filter dialogs
- Description to Workbook user calculations
- No Data Found text customizations

- Rename headers in Pivot and Tables
- Dashboard Filter Bar – expand the workbook dashboard filter capability to include multiple filters
- New capabilities for Date filters
- Author fine grain control on consumer options – control context menu actions in the Present area
- Conditional formatting for Performance Tiles
- Update built-in Map Layers
- Persist One-Click Analytics as User Calculations
- Open Workbooks as a viewer
- Composite overlay chart for Bar, Area, Stack, Line and Cat. Scatter combinations
- Ability to add display description to Expression filters
- Slider filter control + dimension player
- New data source connection icons
- Double column enhancements for data actions

- OCI Data Science integration
- OCI Language integration
- Improvement to Explain segmentation
- OCI Connector and support for OCI FaaS in Data Flows
- OCI Vision integration into OAC Data Flows
- Auto Insights performance and scale improvements, new visualization types
- Map based auto insights
- New Insight chart types: Treemap, Horizontal Bars
- Auto Insight Column Override/customization
- Allow Admin to manage self-service objects
- Restrict Delivers email to specific domain
- Option to disable instance push notification
- Delivers: Bulk update for enable/disable of agents
- Support Answers and Dashboard sanitized HTML
- Bulk delete classic agents

- MySQL Connector Update
- Spark 3.0 support + Kerberos
- Walletless Support for ADB
- Hive connector - Support for non-SSL with Kerberos
- Prep Quality Insights – ability to filter based on data validity
- Participation of files in multi-table datasets
- Dataset property panel support for multi-select
- Improve object listing performance
- Dataset editing prior to profiling completion
- Convert to Date recommendation for Text attributes identified as date formats
- Ability to toggle column sampling off to increase UI performance and improve UX
- Add Google Drive and Dropbox to Multi-Table Datasets

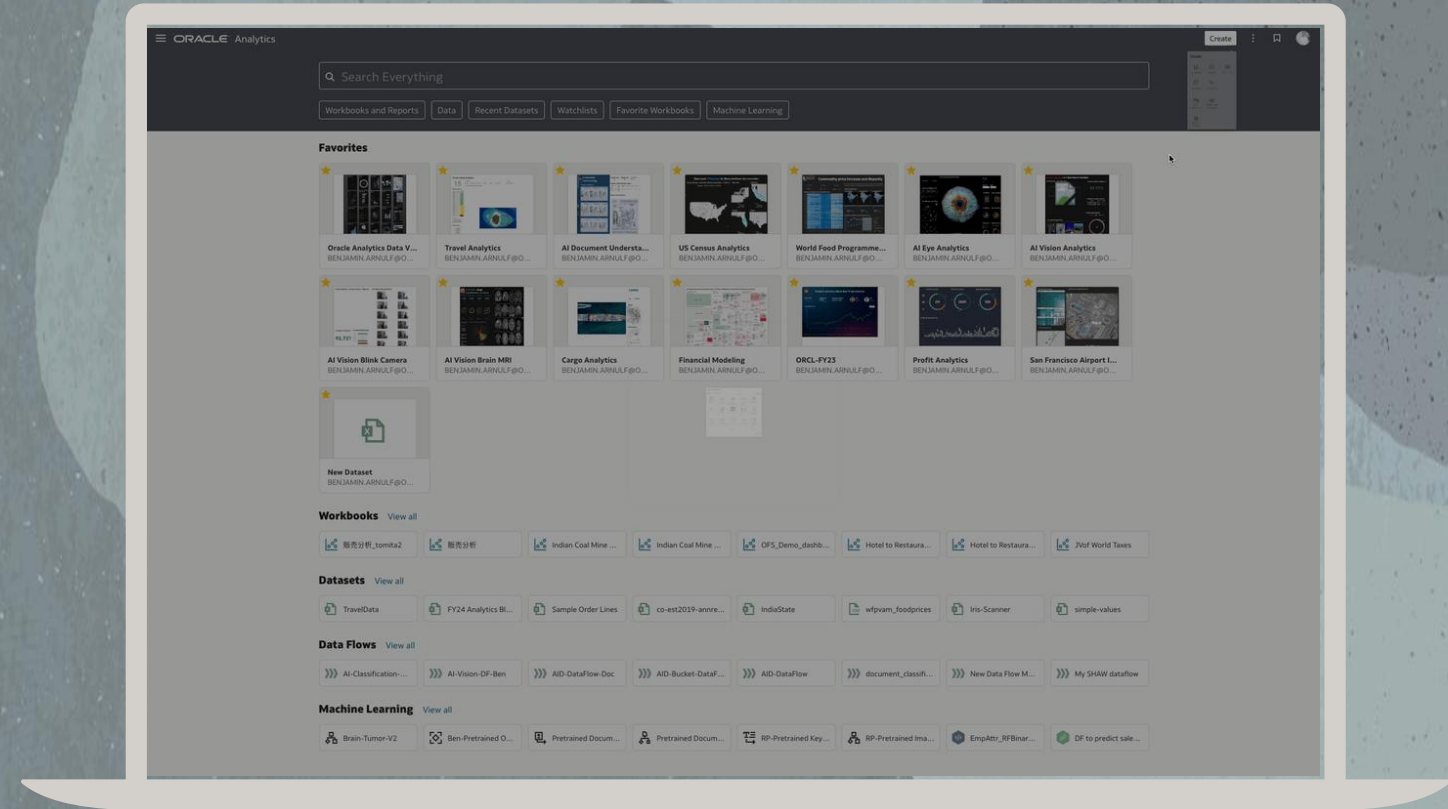
New Innovations in Oracle Analytics 2022 Release

- Direct Connector to EPM Cloud and generation metadata
- Waterfall Enhancements
- Pivot – persistent height/width
- Pivot – word wrap
- Digitized Layers and map backgrounds
- SQL Server Azure Certification
- Safe Domains Enhancements
- Control visibility of viz filters
- Freeze map view (lock interactivity)
- EConsumer experience home page
- Navigation Actions to Dashboards & Reports
- Single step Data Set creation
- Increase Density
- Canvas Bar Usability
- Copy/Duplicate My Calculations
- Thumbnail quality improvements
- Register external ML models from OML and consume them directly from the OAS UI
- Function ship ML and Analytics execution to the database
- On-canvas filters
- Prep Enrichment on Live Data sets
- New Viz: Area Chart
- UX: Single Header
- Spatial functions in expression editor
- Improve ‘use as filter’ interaction
- Propagate shared folder permission to artifacts
- Legend properties for all charts
- Customized time zone in OAS
- Crypto agility improvements in various components
- Expose database analytics in Data Flows
- Reduce whitespace on the canvas
- Sparkcharts on performance tiles
- Waterfall Bridge chart
- Fine tune filter scope
- APIs to list canvas in a project
- OML integration: Show DB model full details in OAS inspectors
- Add a viz property to control the visibility of the Viz Filter
- Improve management of Live Data Set to ensure Live results
- Oracle Analytics Publisher (OAP) connectivity to Oracle Applications
- OAP REST API for APEX
- Support customization of OAP config
- Implement auto-purge in OAP
- Data Flows: Support for Database Text Tokenization
- Data Flows: Support for Database Frequent Itemset (Market Basket)
- New Viz: Area Chart
- Prep: single click trim
- Improved progress bar behavior
- Improve chrome density in the data panel
- Pass filters between filter bar & viz
- Impersonation for Kerberos connection
- Multi-column and no sort options
- Data Action: Support single/multi selection
- Data Action: Avoid passing duplicate filters
- Export: respect canvas aspect ratio
- Increase row limits on all exports
- Multi-Table, multi-sourced Datasets
- Prep: Custom Knowledge
- Prep: Quality Insights
- Scheduled Dataset Refresh
- On-Canvas Filters: Filter Types (top/bottom, Relative time, Range)
- On-Canvas Filters: Dates & Measures
- Support for SA, Essbase, EPM Hierarchies (Pivot/Table drill-ability)
- DB Analytics: Time series Forecast
- DB Analytics: Association Rules
- DB Analytics: Graph Analytics
- Visualization Title Tooltip property
- Custom sort dialog for charts
- Improved Home Page Search
- JDBC Data Sources
- Disjointed datasets - map layers
- Average Aggregation in Waterfall Viz
- Canvas Auto-Refresh
- Feature Extraction OML Model
- Object Storage for OAP Delivery
- Storing OAP Scheduler Data in Object Storage
- OAP: Support OAS Multi table data sets in Publisher Data Model
- And more...

Connect, Prepare and Model Data

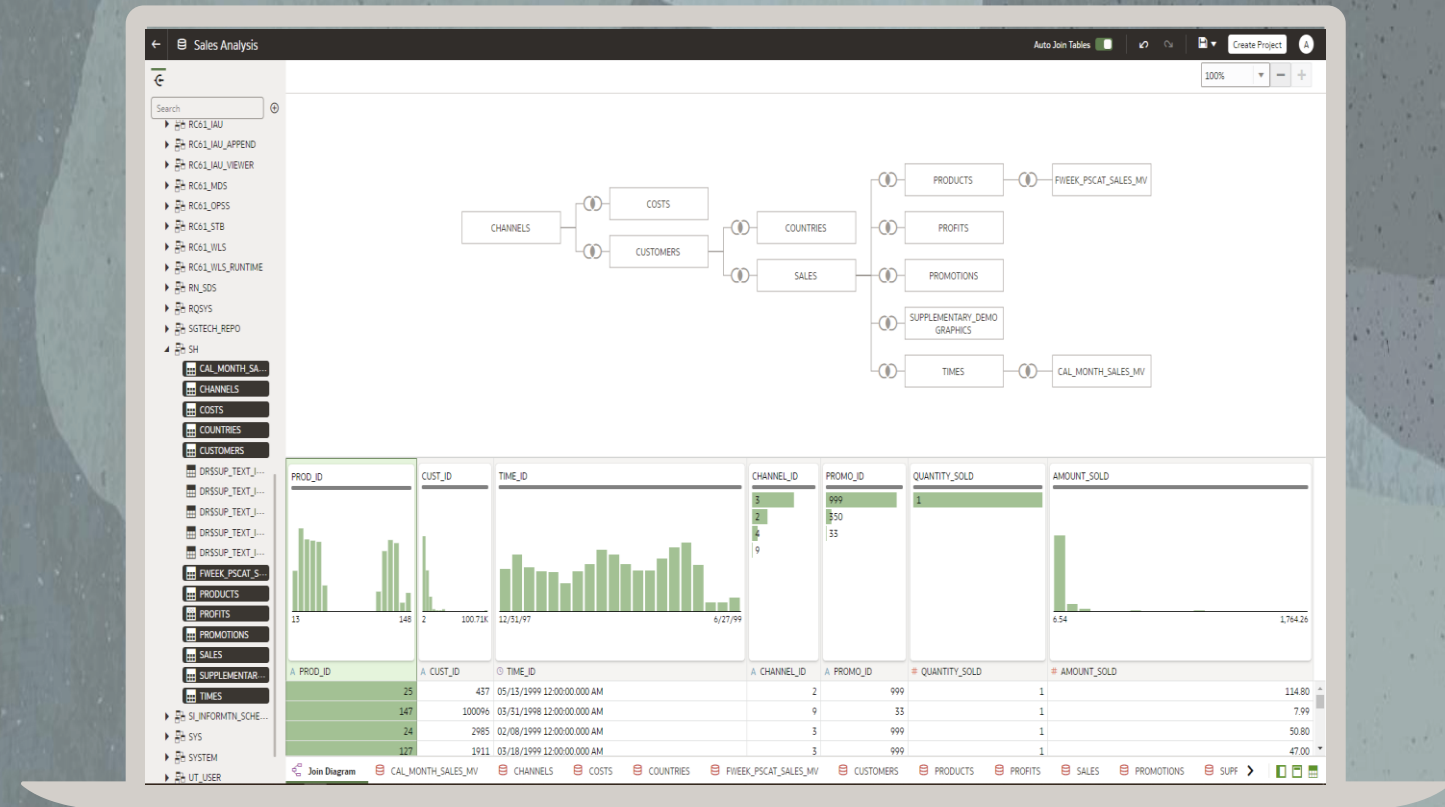
Open and Secure Connectivity

- Direct Connectivity to 100+ data sources
- Oracle SaaS – ERP, CX, HCM, EPM, NetSuite
- Data Stores – Oracle DB, SQL Server, other RDBMS, NoSQL, Big Data, Essbase, JDBC connector
- Apps and Services – Salesforce, REST APIs, Dropbox, Google
- Sources can be on Oracle Cloud, 3rd Party Cloud, or on-premises



Multi-table Datasets

- Perform self-service data modeling by adding multiple tables from multiple sources
- New **Join Diagram** panel in the Dataset Editor



Role-based Filters in Datasets

- Create filters for datasets based on application roles
- Applied when users access the dataset from workbooks and data flows

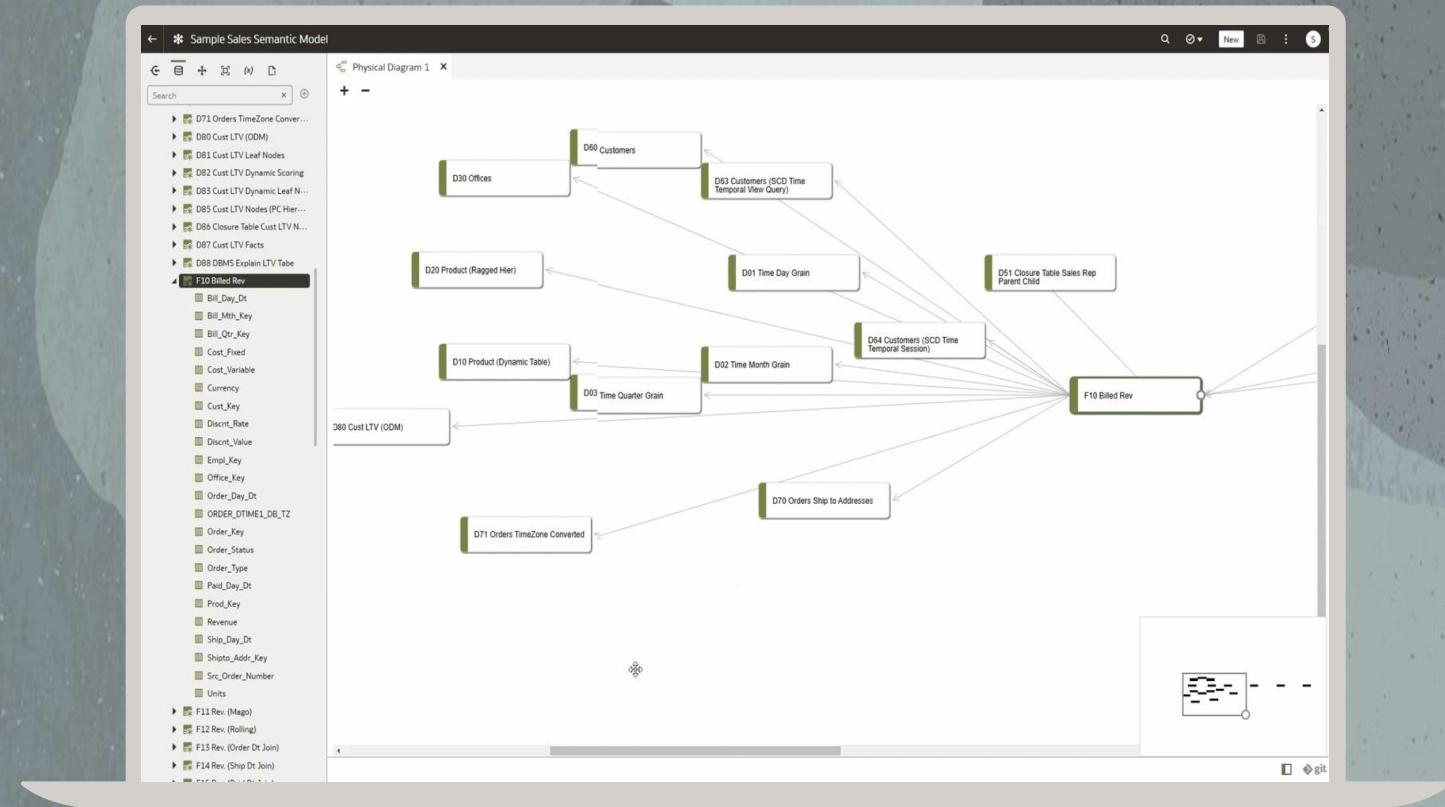
Sample Order Lines

Order Line ID	Order ID	Order Priority	Customer ID	Customer Name	Customer Segm...	City	Produ
		High	1821	Sean N Boyer	Corporate	Hong Kong	Offic
		Low	2491	Vanessa Boyer	Home Office	Riyadh	Tech
		Not Specified	1129	Andrew Levine	Consumer	Sao Paulo	Furn
		Medium	1193	Carlos Johnson	Small Business	Recife	
		Critical	1796	Louis Parrish		Vancouver	
			3079	Neal Wolfe		Victoria	
			640	Pam Patton		Toronto	
			1552	Albert Frost		Voronezh	
			1553	Alfred Barber		Shanghai	
			1690	Alicia Curtis		Meibourne	
A Order Line ID	A Order ID	A Order Priority	# Customer ID	A Customer Name	A Customer Se...	A City	A Pro
8977	87301	Critical	3249	Nicole Goldstein	Small Business	Philadelphia	Office
2996	88102	Low	1132	Michael Robbins	Home Office	Las Plumas	Techn
3	88523	Not Specified	3	Bonnie Potter	Corporate	Hobart	Office
2286	89560	Critical	883	Alex Harding	Home Office	Moscow	Furnit

Join Diagram Sample Order Lines

Semantic Modeler

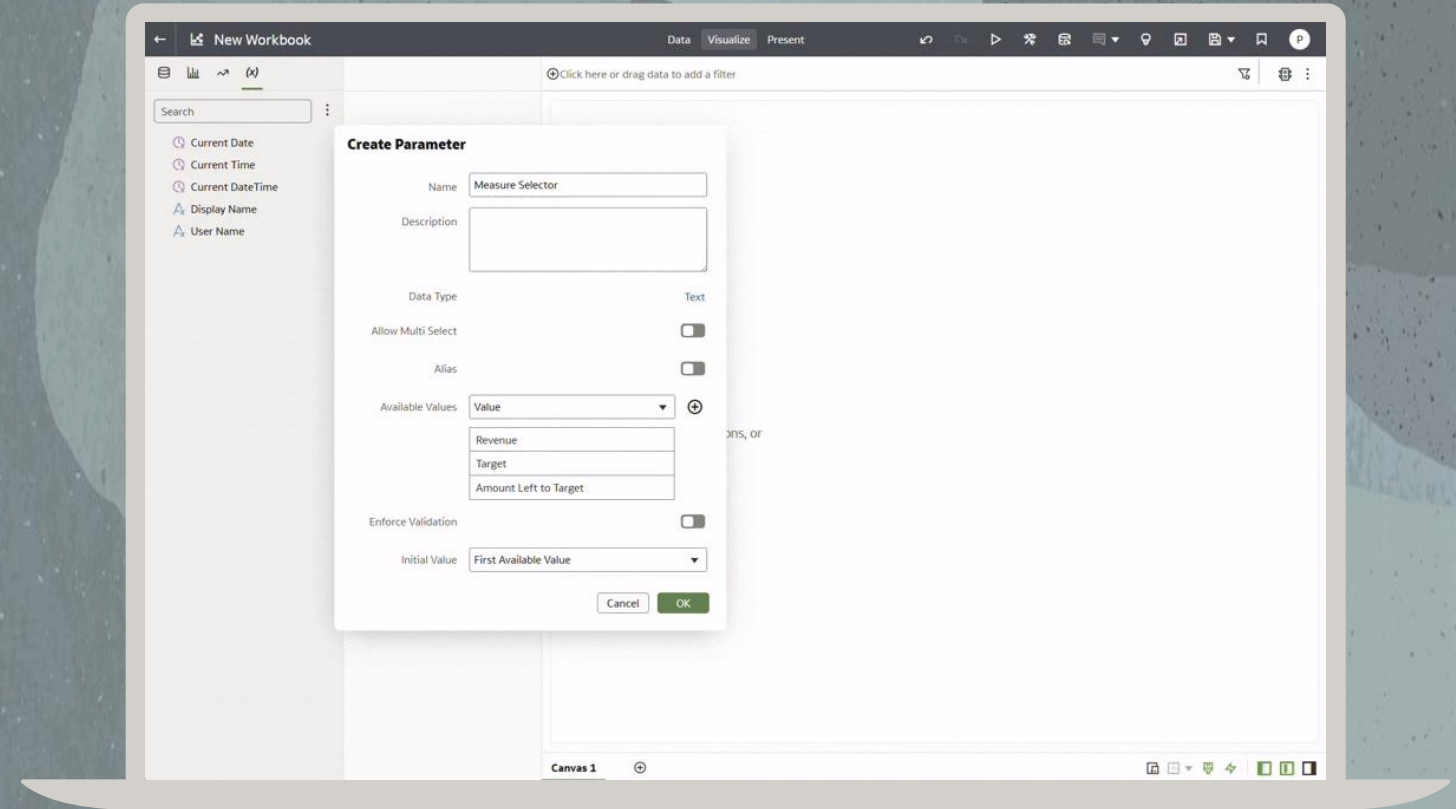
- Browser-based tool
- Modern alternative to the Model Administration Tool
- Open Semantic Model Markup Language (SMML) enables code developers and scripting
- Tight integration with Git for multi-user development, version, and source control



Visualizing Data

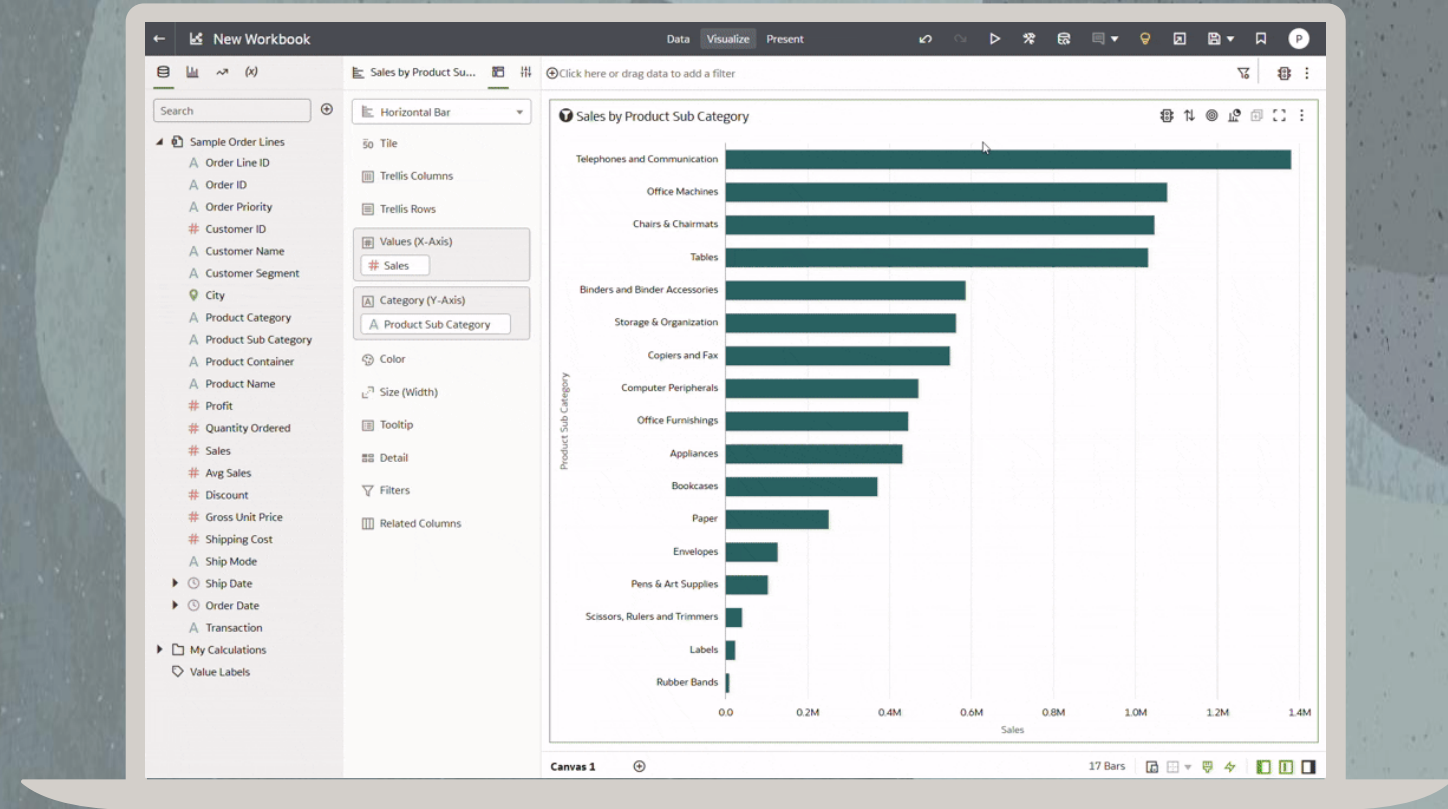
Parameters

- User-defined variables that hold and manage a current value (or values) that can be used in multiple places in a workbook



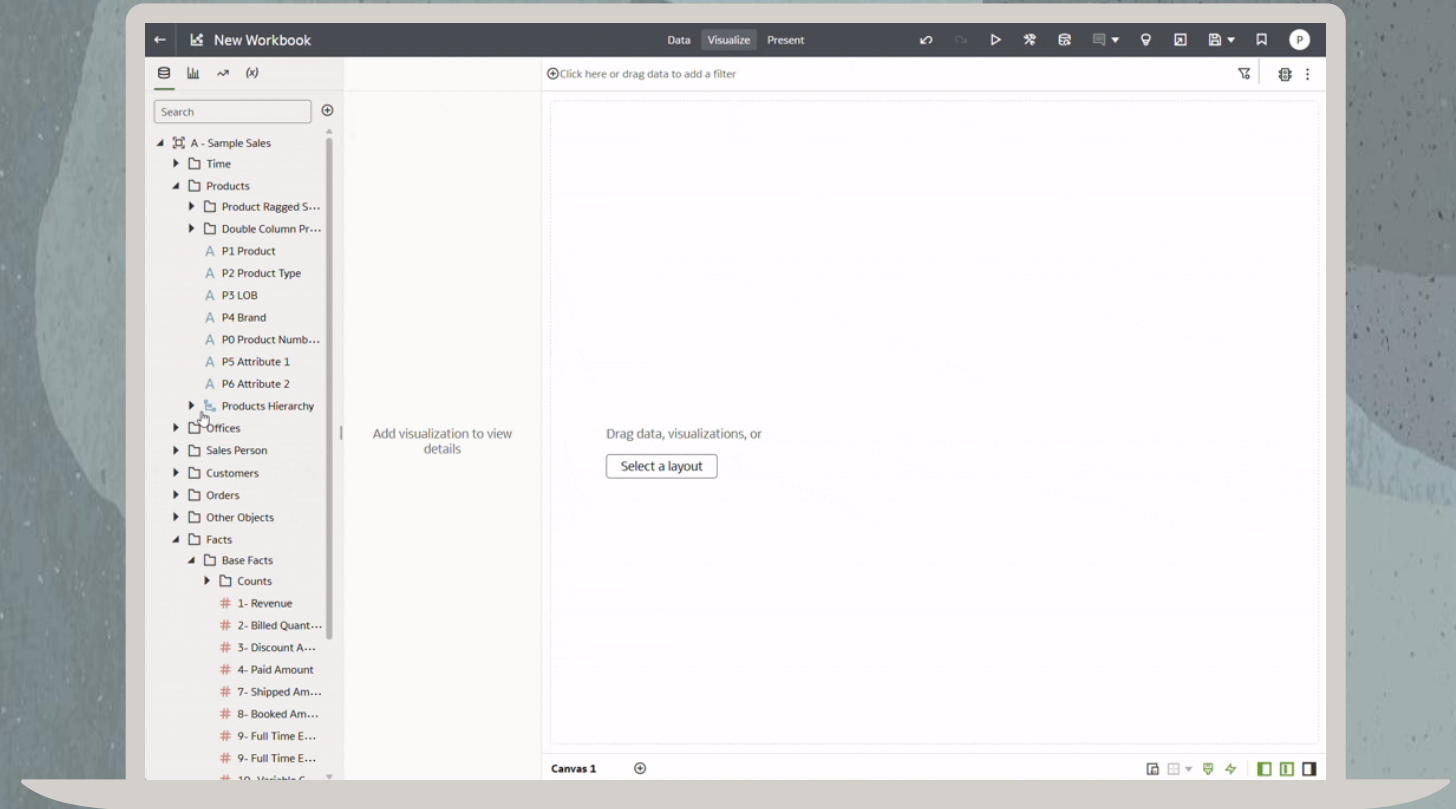
Conditional Formatting

- Apply rules to your data to highlight when something important happens
- Format the fill color, color density, font, font size, font color, and font style
- Display emojis and icons in tables, pivots, or tiles
- Compare measures with a set of thresholds, a target or goal, a percentage of a target, or a complex expression



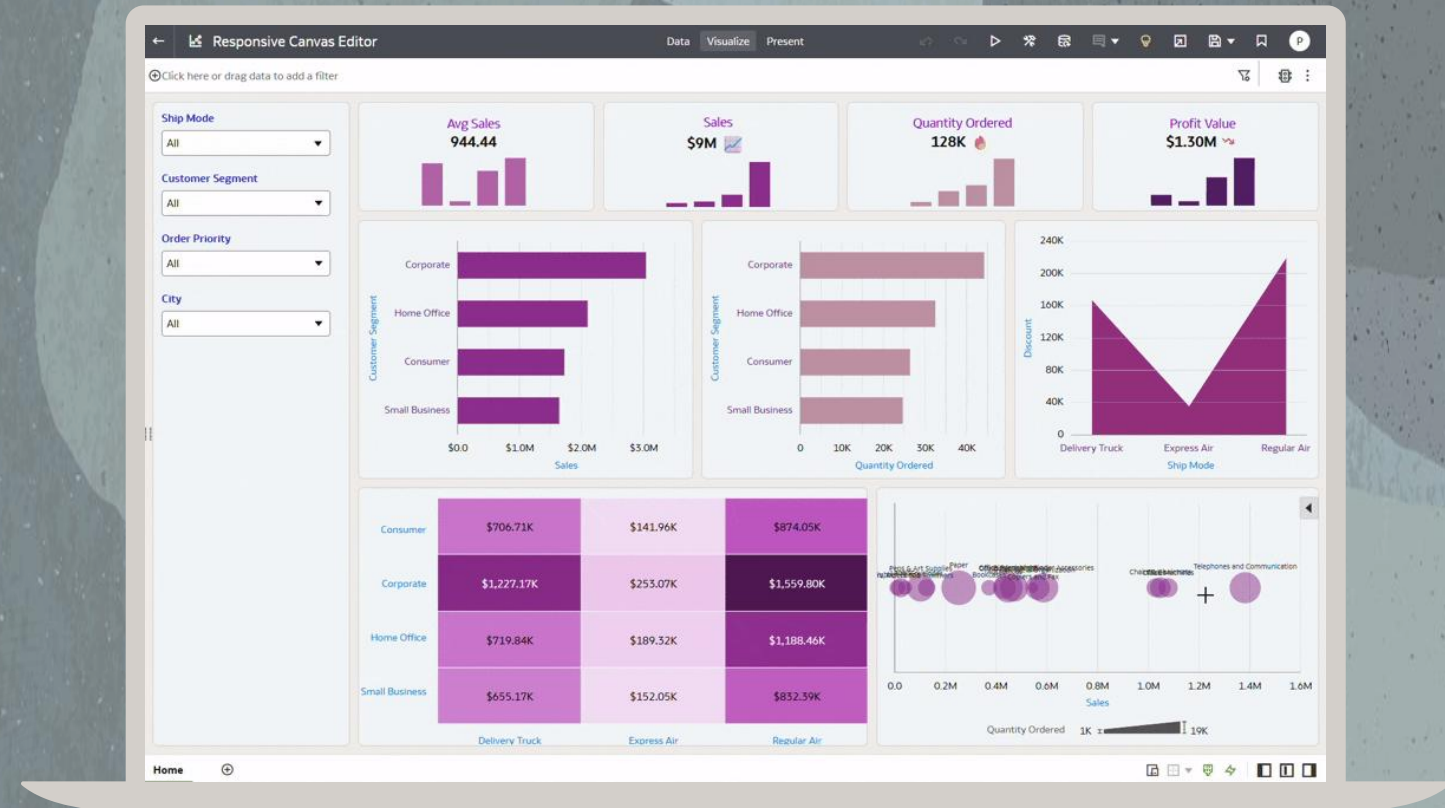
Support for Hierarchical Columns

- Use hierarchical columns in workbook visualizations
- Use selection steps to specify which levels or members of a hierarchy to display



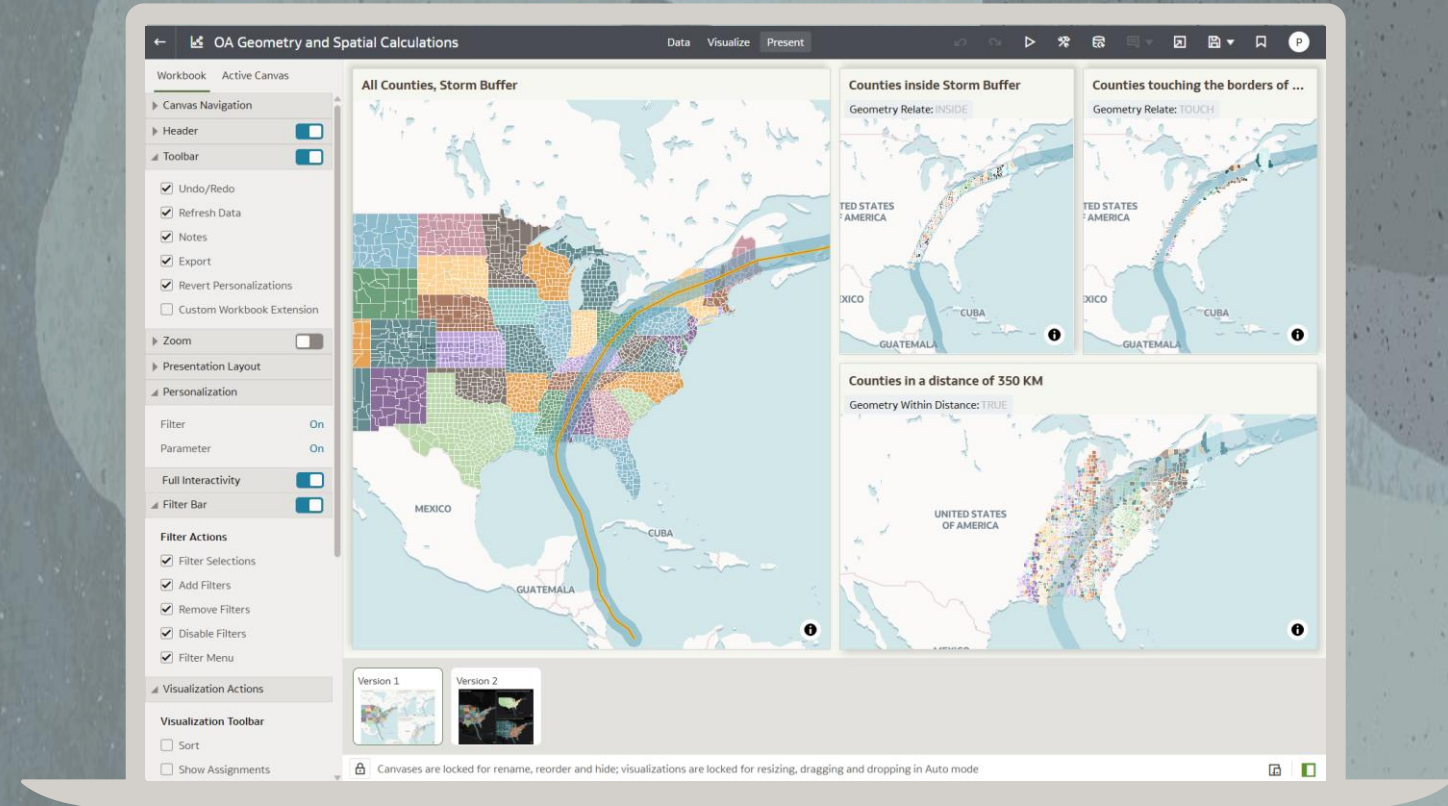
Responsive Canvas Layout Editor

- Specify different canvas screen sizes and layouts using breakpoints
- Each breakpoint represents a different arrangement of visualizations displayed for each screen size



Present Enhancements

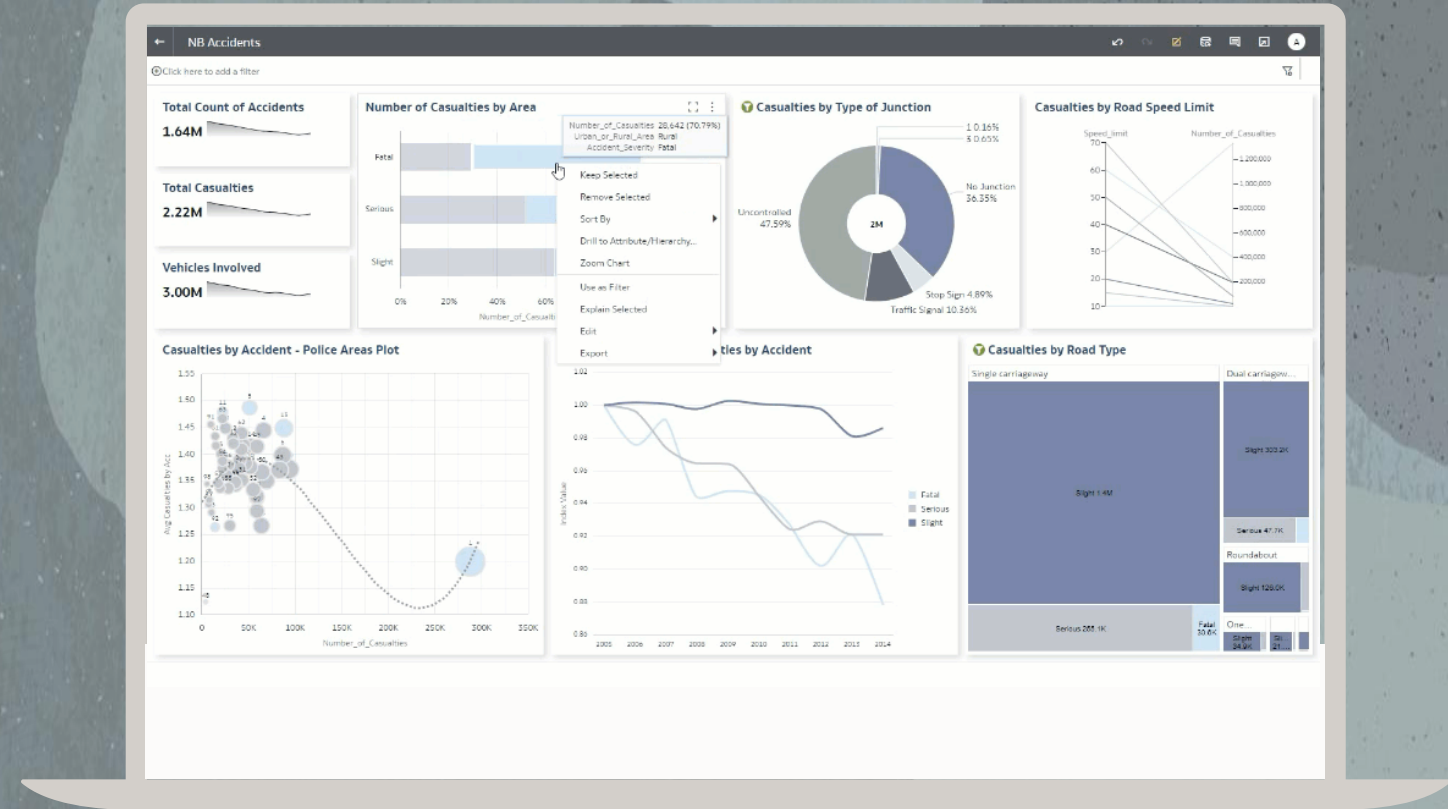
- Use **Present** to customize the workbook for consumers
- Hide unfinished canvases
- Hide visualizations
- Provide more options on a visualization's toolbar or menu
- Hide the workbook's filter bar
- Change the order of the canvases



Artificial Intelligence and Machine Learning

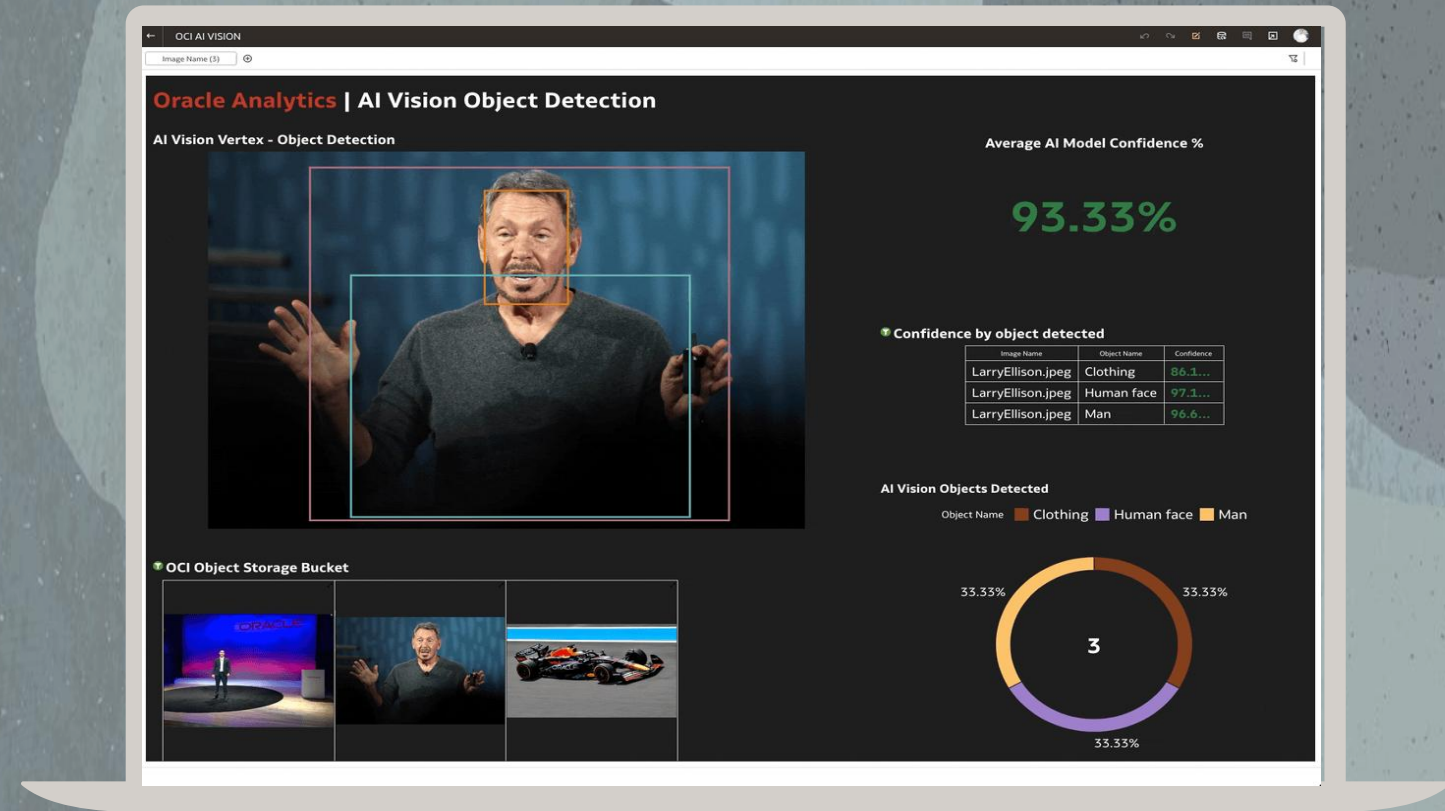
Contextual Insights

- Consumer user enabled insights
- Compare selected datapoints in a visualization
- Generate dimension breakdowns, trend charts and other visualizations based on selected data
- Create and add generated insights to Watchlists



Extend ML with Database and OCI

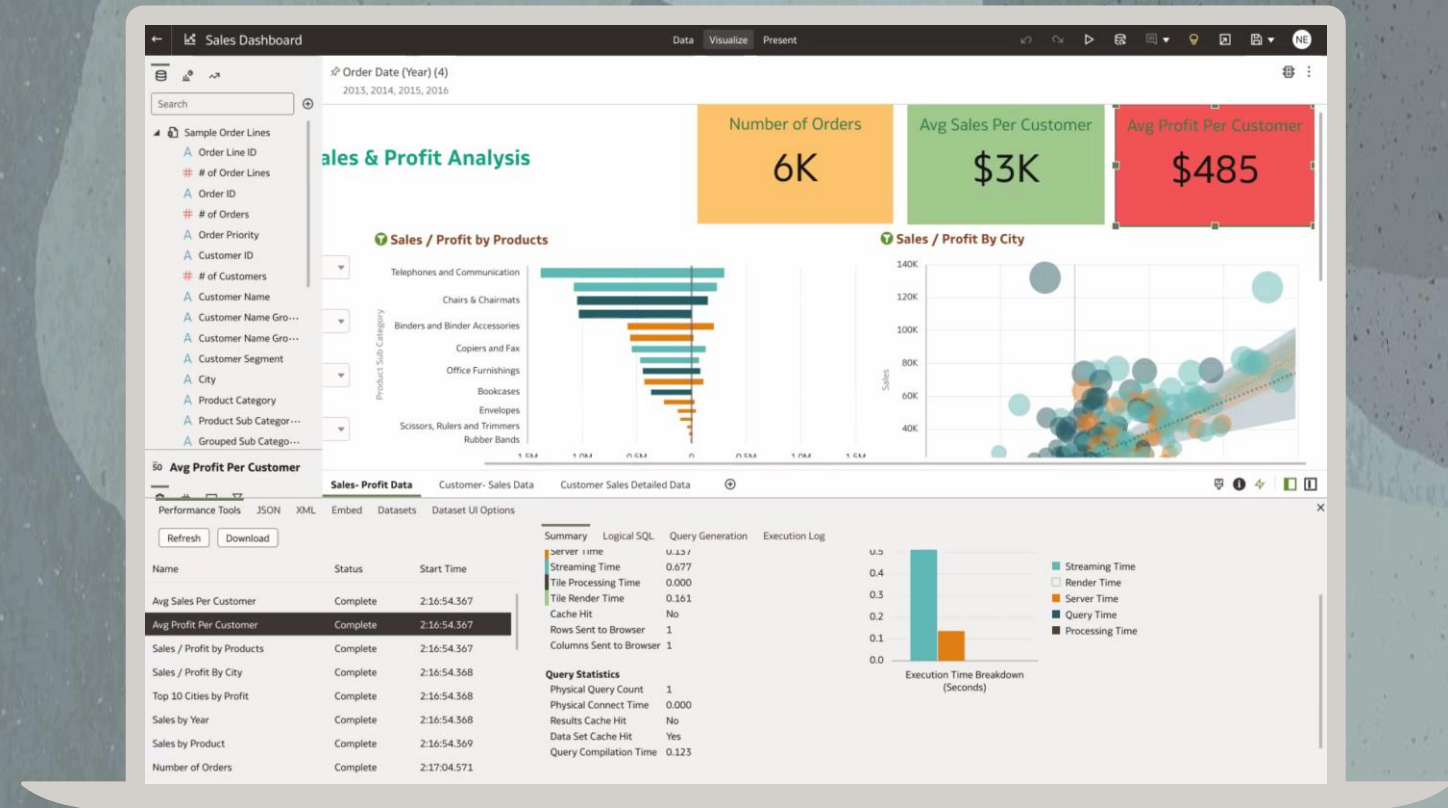
- Choose from an extensive list of additional ML algorithms
- Develop models using SQL, R, Python, REST, AutoML, and no-code interfaces
- Integrate OCI AI Services including AI Vision
- Register certified models for broad use in Oracle Analytics
- Users execute models that run in the database



Performance, Compliance, and Administration

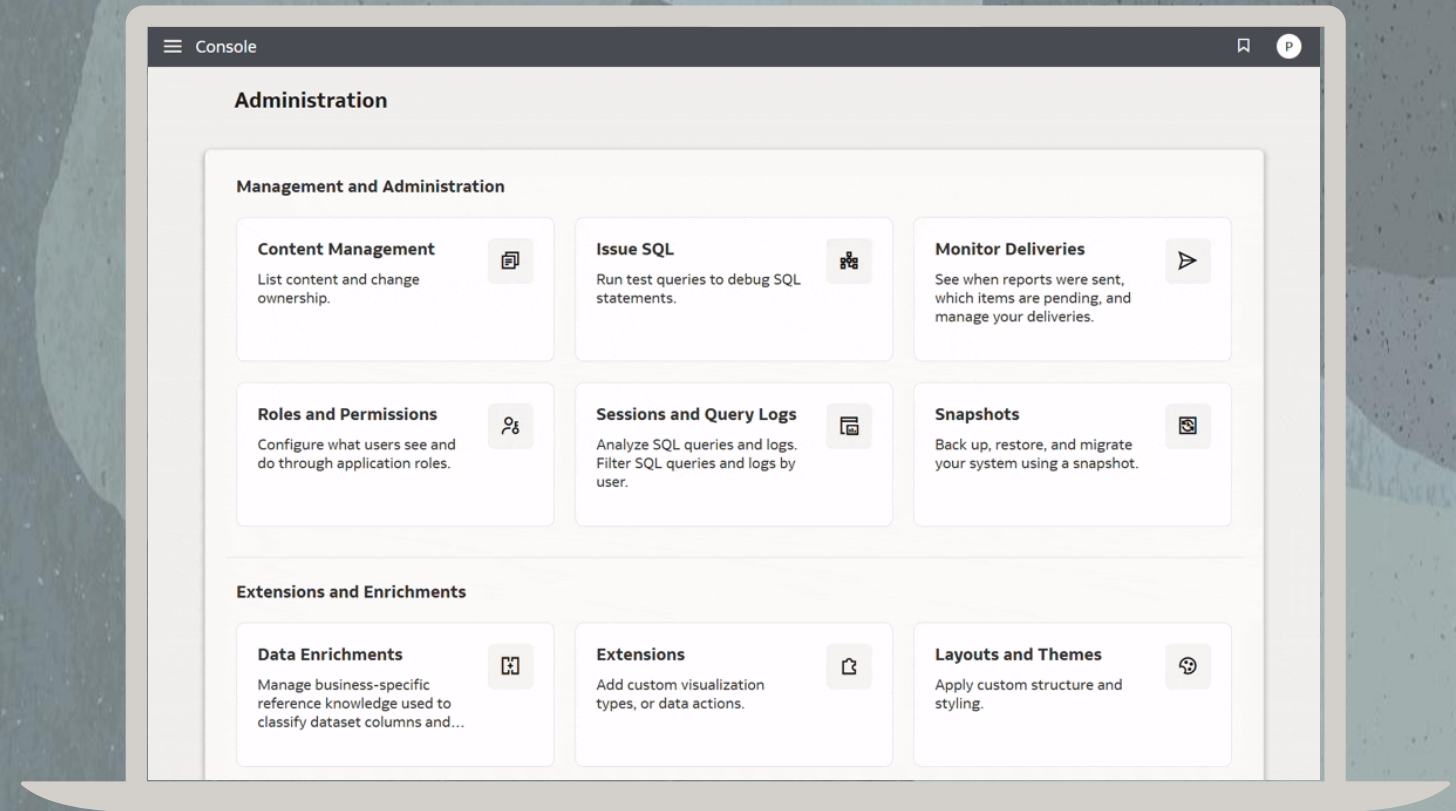
Developer Options

- Audit and tune issues with visualizations
- Spot problematic queries and identify potential fixes
- Grab the code to seamlessly embed content into other applications or websites



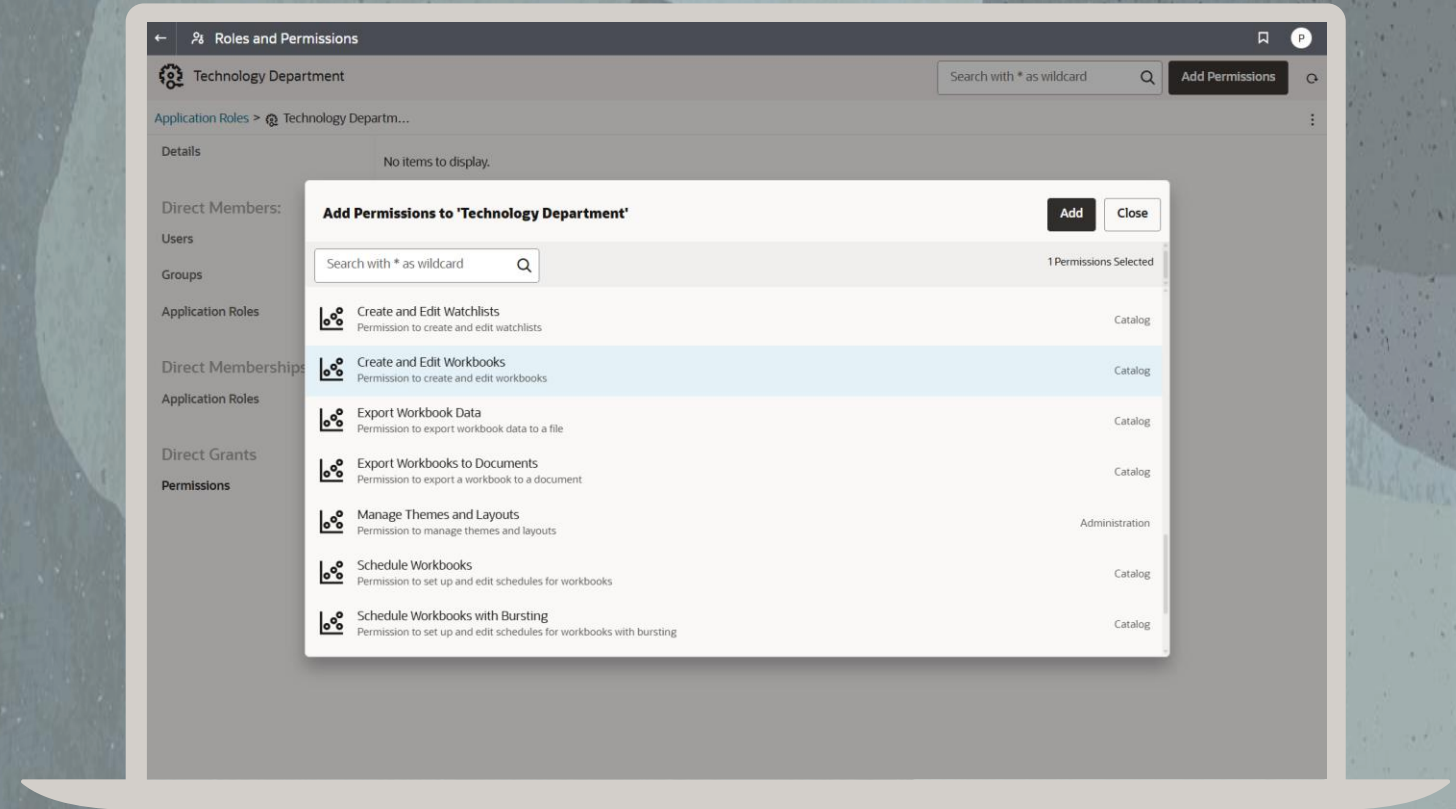
View and Export Membership Data

- Administrators can view and export membership data for users, groups and roles from the Console page
- Find out exactly who has what access



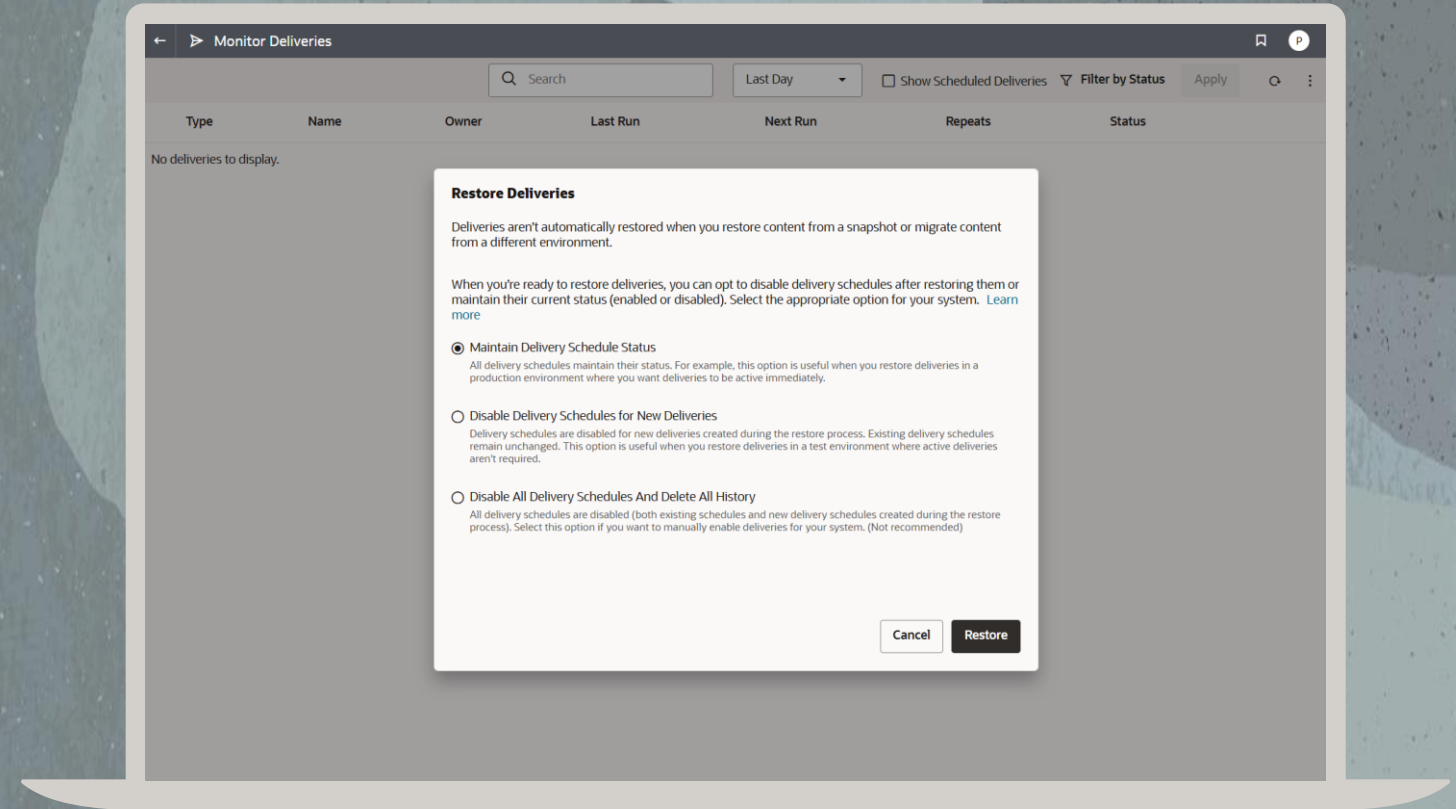
Fine-Grained Permissions

- Handle permissions at a finer grain than previously possible
- Predefined roles which include a fixed set of permissions to get you started
- Grant or revoke individual permissions to user-defined roles to align with your specific requirements



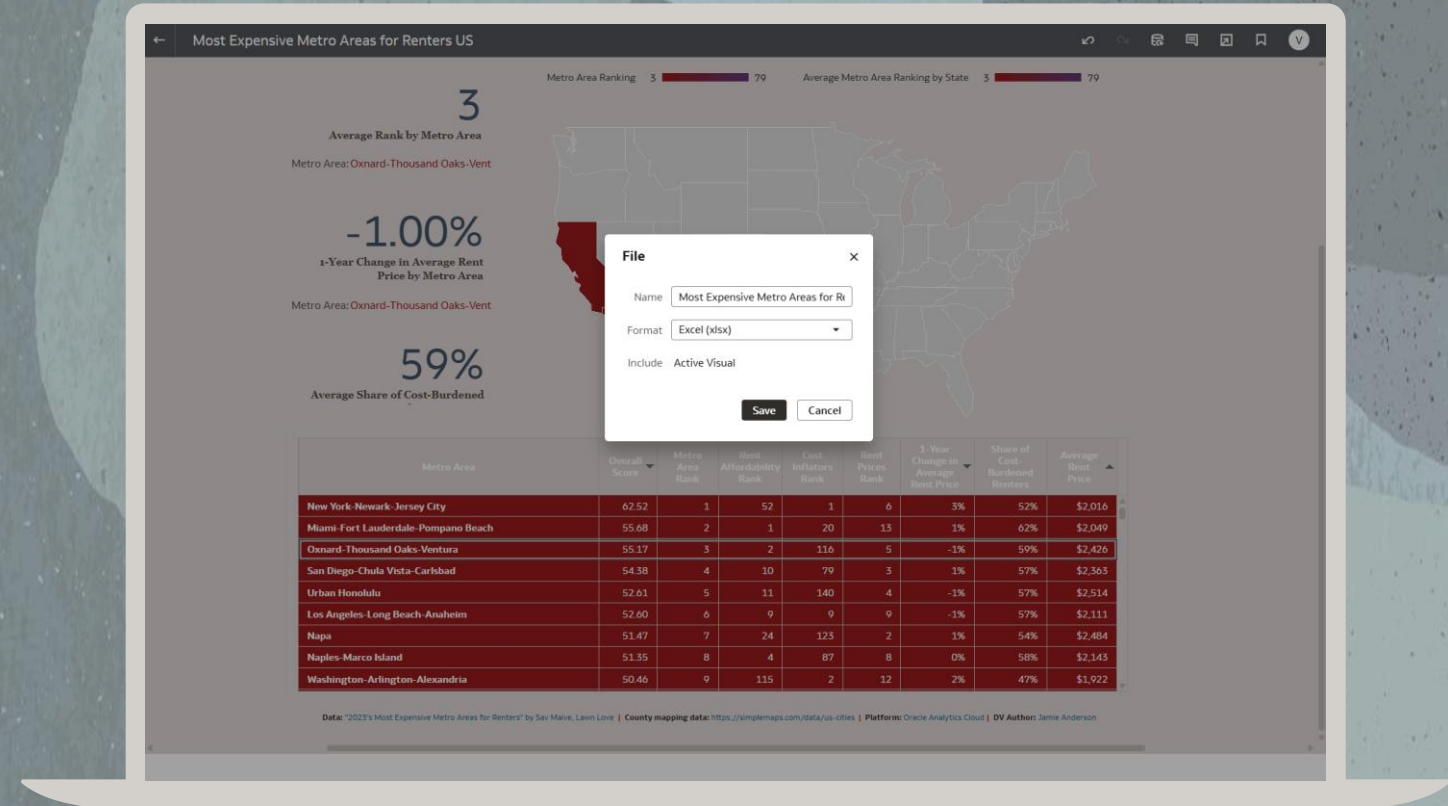
Restore Delivery Options

- When you restore content from a snapshot or migrate content from different environment, you can decide whether to enable or disable delivery schedules on your system



Export to Excel

- Export formatted data from table and pivot visualizations to the MS Excel (XLSX) format
- You can export a visualization with 25000 rows or fewer
- An administrator must [enable](#) this feature



References

- [What's New for Oracle Analytics Server](#)
- [Oracle Analytics Server 2025 \(Youtube Playlist\)](#)
- [Certification – Supported Data Sources](#)
- [Oracle Analytics Forums](#)
- [Oracle Analytics Idea Labs](#)

Q&A



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