

Data Visualization on Oracle Analytics Cloud (2024) LVC

Data Management

DURATION

2 Days

MODULES

14 Lectures

COURSE CODE

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Course Overview

Enhance your business insights requirement with Data Visualization on Oracle Analytics Cloud. Learn to upload your own spreadsheets with an intuitive interface. Drag and drop to create your own visualizations. Interact with your data to discover insights. You will learn to manage data to customize Data Visualization.

What You Will Learn

- SECTION I: Overview and Strategy

Module 1: Oracle Analytics Cloud Overview

- Topics
- Why analytics delivery is becoming more demanding
- Everyone strives to be data-driven
- Becoming transformational through analytics
- Oracle Analytics delivery at each stage
- Analytics route and speed
- Oracle Cloud: From Data to Infrastructure
- Analytics challenges
- Learning Objectives
- Understand the need for modern analytics
- Identify business transformation opportunities with OAC
- Recognize challenges in delivering analytics

Module 2: Oracle Analytics Strategy

- Topics
- Oracle Analytics: Comprehensive Analytics Platform
- Oracle Analytics Cloud & Oracle Analytics Server
- Single Product, Multiple Deployment Options
- Fusion Analytics Warehouse and Extensibility

- Readily available services to advance analytics
- Learning Objectives
- Understand Oracle Analytics product offerings
- Explore deployment options and extensibility
- Recognize available services to enhance analytics
- SECTION II: Data Preparation and Enrichment

Module 3: Data Management and Enrichment

- Topics
- Platform overview and deployment
- Open connectivity, data preparation, and enrichment
- Augmented enrichment and data flows
- Built-in data flow operations and sequences
- Data replication: connections and flows
- Unified search, NLG, graph analytics
- Text analytics and machine learning
- Learning Objectives
- Prepare, enrich, and replicate data in OAC
- Utilize augmented analytics, NLP, and graph analytics

Module 4: Data Discovery and Visualization

- Topics
- Managed Data Discovery
- Mobile analytics
- Collective Intelligence with Day by Day
- Modernizing analytics: Cloud adoption path
- Customer success stories
- Oracle Sales Analytics Transformation
- OAC Data Visualization Overview & Demo
- Data visualization tools, visual grammar, and storytelling
- Maps, data actions, natural language queries, narratives
- Learning Objectives
- Explore OAC visualization capabilities
- Create effective dashboards and interactive visual stories
- Understand map configurations and natural language queries
- SECTION III: Advanced Analytics and Augmented Features

Module 5: Augmented Analytics and Auto Insights

- Topics
- Auto Insights experience and notes
- Pattern brushing, visual grammar
- Creating calculations, filters, and data actions
- OCI Functions in OAC: registration, connection, invocation
- Data Flow, Parameters, Syntax, and Usage

- Learning Objectives
- Leverage Auto Insights and augmented analytics
- Apply calculations, parameters, and advanced visual features

Module 6: Time Series and Scheduling

- Topics
- AGO, TODATE, PERIODROLLING functions
- Time series functions in workbooks and subject areas
- Sharing workbooks via email schedules
- Workbook Email Scheduler setup, bursting, schedule and job history
- Prerequisites: OCI and OAC
- Learning Objectives
- Perform time series analysis in OAC
- Configure automated workbook sharing and scheduling

Module 7: Watchlists and Canvas Properties

- Topics
- Watchlists: creation and management
- Canvas properties, layout options (auto-fit, freeform, grid)
- Brushing and best practices
- Synchronize visualizations and data refresh
- Design layouts for different screens
- Learning Objectives
- Manage watchlists and canvas layouts
- Apply brushing and visualization best practices

Module 8: Vanity URLs and Localization

- Topics
- Setting up Vanity URLs
- Configure security certificates
- Localize user interface: display language and regional formats
- Workbook data format changes with locale
- Learning Objectives
- Configure Vanity URLs for OAC
- Localize interface and data formats for global users
- SECTION IV: Administration and Security

Module 9: OAC Administration and Security

- Topics
- Administer OAC instances using Console (Reference, System, Custom Knowledge)
- Share connections, datasets, workbooks
- Custom aggregation with Grammar Panel and Calculations
- Fine-grain permissions: introduction, roles, benefits
- Business challenge and solution overview

- Learning Objectives
- Manage OAC instances and permissions
- Apply fine-grain security for users and content

Module 10: Oracle Cloud Administration Essentials

- Topics
- OCI fundamentals, IAM, and IDCS
- Prerequisites for OAC instance creation
- Plan OAC service
- OAC instance creation: click-through in OCI console
- Connect and authenticate to OAC
- Architecture overview, authorization, secure access
- Row-level security and presentation service privileges
- Manage content and user privileges
- Learning Objectives
- Administer OAC and OCI services securely
- Implement row-level security and access controls
- SECTION V: Advanced Analytics and Machine Learning

Module 11: Advanced Analytics

- Topics
- Advanced analytics overview and use cases
- Advanced analytics functions in OAC
- Data flow for advanced analytics
- Text analysis and sentiment analysis demo
- Learning Objectives
- Apply advanced analytics in OAC
- Analyze text and create sentiment analysis using data flow

Module 12: Machine Learning

- Topics
- Introduction to ML in OAC
- ML assumptions, prerequisites, and workflows
- Building, training, and inspecting ML models
- Apply/score models and analyze prediction results
- Adding scenarios for analysis
- Register and apply Oracle Database ML models
- Learning Objectives
- Build and deploy ML models within OAC
- Analyze and interpret model predictions
- Apply ML to business use cases
- SECTION VI: Mobile and Modern Data Access

Module 13: Mobile Analytics

- Topics
- Mobile trends and OA landscape
- Mobile web vs OA Mobile vs desktop
- OA Mobile demo
- Oracle Day by Day integration and demo
- Summary: personalized analytics experience
- Learning Objectives
- Access and analyze data via mobile platforms
- Use Oracle Day by Day for actionable insights

Module 14: Summary and Resources

- Topics
- Augmented analytics recap
- Data preparation and intelligent insights
- Modern data visualization recap
- Resources and additional references
- Learning Objectives
- Reinforce key OAC capabilities
- Provide learners with additional resources for practice