

ODM-UOMLAD: Using Oracle Machine Learning with Autonomous Database

Course Code: ODM-UOMLAD

Duration: 2 days

Instructor-led Training (ILT) | Virtual Instructor-led Training (VILT)

OVERVIEW

Using Oracle Machine Learning with Autonomous Database course is designed for Data Scientists, Developers, Architects, Business Analysts and anyone who wants to know about Oracle Machine Learning and Oracle Autonomous Cloud Platform. In this course, you will learn how to use Oracle Autonomous Database and Analytics Cloud service instances with Oracle Machine Learning

SKILLS COVERED

- Introduction to Oracle Machine Learning and Oracle Autonomous Cloud Platform
- Creating Workspace and Projects in Oracle Machine Learning
- Creating SQL Scripts and Running SQL Commands in Oracle Machine Learning
- Notebooks in Oracle Machine Learning
- Collaborating Using Templates in Oracle Machine Learning
- Working with Jobs in Oracle Machine Learning
- Administering Oracle Machine Learning
- Working with Oracle Machine Learning using Autonomous Transaction Processing Cloud
- Creating Visualizations in Oracle Machine Learning Using Analytics Cloud

WHO SHOULD ATTEND?

- Analyst
- Data Scientist

- Manager

PREREQUISITES

- Basic Computer Knowledge.

MODULES

Module 1: Course Overview

- Target Audience
- Prerequisites
- Course Roadmap
- Use Case: El Tronics
- Course Persona
- Course Practices
- Sample Database Schemas Used in the Course

Module 2: Introduction to Oracle Machine Learning and Oracle Autonomous Cloud Platform

- Growth of Oracle Machine Learning
- Oracle Machine Learning: Features & Components
- Compatible Oracle Cloud Services
- Oracle Cloud Platform Autonomous Services
- Oracle Autonomous Database
- Oracle Analytics Cloud
- Autonomous Data Warehouse Cloud: Use Cases

Module 3: Creating Workspace and Projects in Oracle Machine Learning

- Accessing the Oracle Machine Learning Home Page
- Creating a New Project and Workspace
- Managing Workspaces Permissions

Module 4: Creating SQL Scripts and Running SQL Commands in Oracle Machine Learning

- SQL Script Scratchpad
- Developing & Running SQL Scripts
- Exporting and Importing SQL Scripts
- Restrictions on SQL Commands
- Restrictions for Database Options
- Restrictions for Database Initialization Parameters
- Connection Groups

Module 5: Notebooks in Oracle Machine Learning

- Examples: OML Notebook
- Creating & Editing a Notebook
- Typical Workflow for Analyzing Data with Oracle Machine Learning
- Traditional Programming Versus Machine Learning
- Creating Text Input Forms in Notebooks
- Creating Select Forms in Notebooks
- Creating Check Box Forms in Notebooks
- Setting Up an Output Format

Module 6: Collaborating Using Templates in Oracle Machine Learning

- Templates in Oracle Machine Learning
- Saving a Notebook as Template in Oracle Machine Learning
- Sharing Templates
- Editing Template Settings
- Collaborate Using the Export Option

Module 7: Working with Jobs in Oracle Machine Learning

- Jobs in Oracle Machine Learning
- Creating a Job
- Viewing Job Logs

Module 8: Administering Oracle Machine Learning

- Workflow for Managing Oracle Machine Learning
- User Data
- Compute Resource
- Creating User Accounts for Oracle Machine Learning

Module 9: Working with Oracle Machine Learning using Autonomous Transaction Processing Cloud

- Autonomous Transaction Processing
- Typical Workflow for Autonomous Transaction Processing, and Other Services and Tools
- Using Oracle Machine Learning with Autonomous Transaction Processing
- K-means Algorithm
- Oracle Machine Learning for Data Access, Analysis, and Discovery

Module 10: Creating Visualizations in Oracle Machine Learning Using Analytics Cloud

- Oracle Analytics Cloud
- Creating Connections to Oracle Autonomous Data Warehouse Cloud
- Create Connections to Autonomous Transaction Processing Cloud
- Use Machine Learning to Analyze Data by Using Oracle Analytics Cloud
- Using Data Flow to Curate Data Sources
- Running Data Flows
- Prediction Visualization

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