

Course Name	Machine Learning on Oracle
Course Duration	3 Days (24 hours)
Target Audience	Data Analyst, Data Scientist, ML Engineer
Course Outcomes	Identify the Oracle Cloud Services that are compatible with Oracle Machine Learning
	Run SQL commands in Oracle Machine Learning
	Create and run notebooks in Oracle Machine Learning
	Learn to provision and use Oracle Autonomous Database with Oracle Machine Learning.
	Implement AutoML and OML4Py
	Collaborate using Templates and Work with Jobs
	Create Workspaces and Projects with OML

Module 01: Introduction to Oracle Machine Learning and Oracle Autonomous Cloud Platform	
1.1	Overview
1.2	Features
1.3	Algorithms
1.4	Introduction to Machine Learning for Python
Module 02: Creating Workspaces and Projects in Oracle Machine Learning	
2.1	Creating Workspaces and Projects in Oracle Machine Learning
2.2	Managing Workspaces in Oracle Machine Learning
2.3	Demo: Provisioning an Autonomous Data Warehouse Instance with Oracle Machine Learning
2.4	Demo: Creating a Project and Workspace in Oracle

2.5	Machine Learning Using Oracle Autonomous Data Warehouse
2.6	Hands-On Activity: Provision an Autonomous Data Warehouse
2.7	Hands-On Activity: Create a Project and Workspace
Module 03: Creating SQL Scripts and Running SQL Commands in Oracle Machine Learning	
3.1	Creating SQL Scripts in Oracle Machine Learning
3.2	Restrictions on SQL Commands
3.3	Connection Groups
3.4	Demo: Creating SQL Scripts in Oracle Machine Learning
3.5	Demo: Running SQL Statements in Oracle Machine Learning
3.6	Hands-On Activity. Create SQL Scripts
3.7	Hands-On Activity: Run SQL Scripts
Module 04: Auto ML	
4.1	An Introduction to Oracle AutoML
4.2	AutoML with OML4Py
4.3	OML AutoML User Interface (UI)
Module 05: Notebooks in Oracle Machine Learning	
5.1	Notebooks
5.2	Text Input Forms in Notebooks
5.3	Select Forms in Notebooks
5.4	Check Box Forms in Notebooks
5.5	Versioning and setting up an Output Format in Notebooks
5.6	Demo: Creating and Running Notebooks in Oracle
5.7	Machine Learning
5.8	Demo: using Sample Data to Explore Visualizations, Predictions, and Classification Algorithms (Use
5.9	Case)
5.11	Hands-On Activity: Create and Run Notebooks
5.12	Hands-On Activity: Explore Visualizations,

5.13	Predictions, and Classification
Module 06: Collaborating Using Templates in Oracle Machine Learning	
6.1	Templates
6.2	Creating Notebook from Templates
6.3	Demo: Sharing and Creating Notebooks Using Oracle Machine Learning Templates
6.4	Hands-On Activity: Sharing and Creating Notebooks
Module 07: Working with Jobs in Oracle Machine Learning	
7.1	Working with Jobs
7.2	Demo: Creating and Scheduling Jobs in Oracle Machine
7.3	Learning
7.4	Hands-On Activity: Create and Schedule Jobs
Module 08: Administering Oracle Machine Learning	
8.1	Administering Oracle Machine Learning
8.2	Demo: Creating user Accounts and Assigning Workspace
8.3	Permissions in Oracle Machine Learning
8.4	Hands-On Activity: Create user Accounts and
8.5	Assign Workspace Permissions
Module 09: Use Cases of Machine Learning	
9.1	Operationalizing Machine Learning using ADB and OML
9.2	Fraud and Anomaly Detection using Oracle ADB and OML
9.3	Time Series Forecasting
9.4	Predictive Modelling for Timely Patient Assessment with
9.5	OAC and ADW
9.6	Using OML and ADB to Target Best Customers (Targeting Top Customers)
9.7	Machine Learning and OMC (Rapid Troubleshooting with Machine Learning)