

# Oracle Analytics – Bootcamp

## Metadata Repository

### Day 1

#### Introduction

What is the Metadata Repository?  
Overview of Features and Key Processes  
Course Customer Scenario

#### Metadata Repository Foundation

Physical Layer  
Business Model and Mapping Layer  
Presentation Layer

#### Advanced Features

Ragged and Skip-Level Hierarchies  
Parent-Child Hierarchies  
Data Federation

Lab Session

### Day 2

#### Metadata Repository Variables

Repository vs Session Variables  
Initialisation Blocks  
Row-Level Security

#### Modelling Transactional (3NF) Data

##### Sources

Data Federation  
Fragmentation

#### Software Development Lifecycle

Online vs Offline Development  
Merging and Patching Metadata Repositories  
Multi-User Development  
Version Control and Release Management

Lab Session

## Analytics & Dashboards

### Day 3

#### Creating Analyses

Calculated Columns, Filters & Formatting  
Title and Table Views  
Charts and Graphs

#### Choosing the Right Visualisation

Data Visualisation Concepts and Principles  
Graphs and Colour Usage

#### Creating Dashboards

Adding Reports to Dashboards  
Prompts and Presentation Variables  
Interactions between Reports Conditions

#### Additional Views and Features

View and Column Selectors  
Master-Detail Linking of Views  
Conditional Formatting

#### Advanced Analytics

Time Series Calculations  
Filters based on another analysis  
Combining Subject Areas

#### Actionable Intelligence

Navigation Actions  
Agents (Scheduling Report)

Lab Session

## Data Visualisations

### Day 4

#### Introduction

Where does DV fit in?  
Overview of Features and Key Processes

#### Data Acquisition

Connections  
Datasets

#### Data Preparation

Data Profiles and Semantic  
Recommendations Preparation Script

#### Data Exploration and Visualisation

Prepare, Visualise & Narrate

#### Data Flows

Adding Data Sources  
Transformations  
Scheduling Data Flows

#### Machine Learning

Concepts and Principals  
Advanced Analytics Functions  
Explain Attributes and Measures  
Machine Learning Models  
Creating a Machine Learning Model

Lab Session