



Let's Reach For Excellence!

TAN DUC INFORMATION TECHNOLOGY SCHOOL JSC

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Business Intelligence with Qlik Sense

Duration: 03 days

Level: Advanced

Qlik Sense allows you to explore simple-to-complex data to reveal hidden insights and data relationships to make business-driven decisions.



AUDIENCE

If you're a data analyst or interested in business intelligence (BI) and want to gain practical experience of working on Qlik Sense projects, this book is for you. You'll also find it useful if you want to explore Qlik Sense's next-generation applications for self-service BI.

COURSE OUTLINE

Section 1: Qlik Sense and Business Intelligence

Chapter 1: Getting Started with Qlik Sense

An overview of the Qlik Sense product

The components of Qlik Sense

- In-memory associative database

- ETL engine

- Visualization platform

- API and extensibility capabilities

The Associative Engine

Setting up Qlik Sense Desktop

Setting up Qlik Sense Cloud

Self-service with Qlik Sense

Section 2: Data Loading and Modeling

Chapter 2: Loading Data in Qlik Sense

Data loading process

- Loading data from data sources

- Data connections

- Data manager

- Data load editor

Table associations

Data profiling

- Profiling using the Data manager

- Profiling using the Data model viewer

Chapter 3: Implementing Data Modeling Techniques

An overview of data modeling

- Data modeling techniques

Joining

- Types of joins

- Pitfalls of using joins

Concatenation

- Automatic concatenation

- Forced concatenation

- The NoConcatenate

Filtering

- Filtering data using the Data manager

- Filtering data in the script editor

- QVDs

- Why use QVDs

- Link table

- Canonical dates

- As-Of Table

- Script optimization

- Using Applymap instead of joins

- Reducing the size of data as much as possible

- Optimized QVD load

- Dropping unwanted tables immediately after use

Section 3: Building an Analytical Application

Chapter 4: Working with Application Structure

- Application overview

- Toolbars

- Understanding the DAR methodology

- Creating visualization objects

- Getting started

- Generating visualizations using Insights Advisor

- Generating visualizations using Insights Advisor for selected fields

- Creating visualizations using chart suggestions

- Creating visualizations manually

- Creating Master items

- Creating master dimensions

- Creating master measures

- Creating master visualizations

- Calculation expressions

Chapter 5: Creating a Sales Analysis App Using Qlik Sense

- Creating the dashboard sheet

- Creating the dashboard

- Creating the analysis sheets

- Creating a customer analysis sheet

- Creating a product analysis sheet

- Creating a reporting sheet

- Creating a new sheet

- Adding a default filter pane

Chapter 6: Interacting with Advanced Expressions

- Creating calculations with conditions

- Condition to show a text message

- Condition to show a different calculation

- Condition to filter data on a measure

- Using TOTAL for aggregation scope

- Calculating the relative share over the total

- Calculating the relative share over a dimension
- Using some useful inter-record functions
 - Calculating sales variance year over year
- Using AGGR for advanced aggregation
 - Calculating the top sales product over each category
- Leveraging Set Analysis for in-calculation selection
 - Selecting a specific country for comparison

Chapter 7: Creating Data Stories

- Creating snapshots
- Planning and organizing your presentation
- Creating stories
- Editing your story
- Sharing stories

Chapter 8: Working with Self-Service Analytics

- Creating self-service analytics
 - Publishing an application
 - Creating a new sheet in a published app
- Sharing insights with community sheets
- Approving sheets to add them to a baseline
- Co-creating applications in Qlik Sense Cloud Business
 - Managing members
 - Editing the application with multiple users
 - Sharing the app with users
 - Publishing changes to a published application