



IBM Cognos Analytics-Author Reports with Multidimensional Data v11.0 (B6061G)

Course ID #: 2700-214-11-W

Hours: 21

Course Content

Course Description:

This course is designed to guide report authors in building on their expertise with IBM Cognos Analytics by applying dimensional techniques to reports. Through interactive demonstrations and exercises, participants will learn how to author reports that navigate and manipulate dimensional data structures using the specific dimensional functions and features available in **IBM Cognos Analytics**.

At Course Completion:

After completing this course, student will be able to:

- Bullet

Target Student:

Report authors working with dimensional data sources.

Prerequisites:

- IBM Cognos Analytics: Author Reports Fundamentals (v11.0)
- Knowledge of your business requirements
- Knowledge of dimensional data

Topics:

Introduction to Dimensional Concepts

- Identify different data sources and models
- Investigate the OLAP dimensional structure
- Identify dimensional data items and expressions
- Differentiate the IBM Cognos Analytics query language from SQL and MDX
- Differentiate relational and dimensional report authoring styles

Introduction to Dimensional Data in Reports

- Work with members
- Identify sets and tuples in IBM Cognos Analytics



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Dimensional Report Context

- Understand the purpose of report context
- Understand how data is affected by default and root members

Focus Your Dimensional Data

- Compare dimensional queries to relational queries
- Explain the importance of filtering dimensional queries
- Evaluate different filtering techniques
- Filter based on dimensions and members
- Filter based on measure values
- Filter using a slicer

Calculations and Dimensional Functions

- Use IBM Cognos Analytics dimensional functions to create sets and tuples
- Perform arithmetic operations in OLAP queries
- Identify coercion errors and rules

Functions for Navigating Dimensional Hierarchies

- Navigate dimensional data using family functions

Navigate dimensional data using family functions

- Navigate dimensional data using relative functions
- Navigate dimensional data using relative time functions

Advanced Drilling Techniques and Member Sets

- Understand default drill-up and drill-down functionality
- Identify cases when you need to override default drilling behavior
- Configure advanced drilling behavior to support sophisticated use cases
- Define member sets to support advanced drilling
- Define member sets to support functions

Set Up Drill-Through Reports

- Navigate from a specific report to a target report
- Drill down to greater detail and then navigate to target report
- Navigate between reports created using different data sources

End-to-End Workshop

- Review concepts covered throughout the course



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