COURSE OUTLINE

1. Introduction to Dimensional Concepts

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

2. Introduction to Dimensional Data in Reports

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

3. Dimensional Report Context

- Purpose of report context
- How data is affected by default and root members

4. Focus Your Dimensional Data

- Compare dimensional queries to relational queries
- Importance of filtering dimensional queries
- Different filtering techniques
- Filter based on dimensions and members
- Filter based on measure values
- Filter using a slicer

5. 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

6. Functions for Navigating Dimensional Hierarchies

- Navigate dimensional data using family functions

7. Relative Functions

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

8. Advanced Drilling Techniques and Member Sets

- 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

9. 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

10. End-to-End Workshop

- Review concepts covered throughout the course