# IBM Cognos:
# Multidimensional Report Authoring

This instructor-led course teaches business analysts to navigate and analyse data in Analysis Studio. Participants will learn techniques such as ranking, filtering, asymmetrical crosstabs, and graphing to help them analyse large volumes of data (whether OLAP or dimensionally modelled relational metadata). They will also learn to manage reports through Cognos Connection. Attendees will participate in hands-on demos and workshops that illustrate key concepts while learning how to use the product.

## Course Content

### 1. Introduction to Dimensional Reporting Concepts

- Identify different data sources and models.
- Investigate the OLAP dimensional structure.
- Identify dimensional data items and expressions.
- Differentiate the Cognos 8 BI 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 Report Studio.

### 3. Dimensional Report Context

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

### 4. Focus Your Dimensional Data

- Compare dimensional queries to relational queries.
- Explain the importance of filtering dimensional queries.
- Evaluate different filtering techniques.
- Filters based on dimensions and members.
- Filters based on measure values.
- Filters using a slicer.
- Dynamically filter using a tree prompt.

### 5. Calculations and Dimensional Functions

- Use the Cognos 8 Dimensional functions.
- Perform arithmetic operations within OLAP queries.
- Identify common errors in expressions.

### 6. Functions for Navigating Dimensional Hierarchies

- Navigate dimensional hierarchies 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

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

### 9. Setup Drill-Through Reports

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

**Who should attend ?**

This course is intended for Professional Report Authors.

**Prerequisites**

• Experience using basic Windows functionality.

• Experience using a Web browser.

• IBM Cognos Report Studio Fundamentals.

**Duration**

Two days.

**Type**

Class room.

**Related courses**

• IBM Cognos Query Studio.

• IBM Cognos Report Studio Advanced.

• IBM Cognos Analysis Studio.

• IBM Cognos Framework Manager.

"The training Simpson Associates provided was relevant, helpful and comprehensive. They never assumed any prior experience  and were always happy to go over points again."

**Rebecca Foster**
Central Services Accountant, Bettys
& Taylors of Harrogate

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Should you have any questions or require any further information, the team at Simpson Associates will be happy to help you with your request.

t:  +44 (0) 1904 234 510
e:  info@simpson-associates.co.uk
www.simpson-associates.co.uk