

## Course Outline:

### Introduction to IBM Cognos Framework Manager

- Model data and identifying related data
- Define requirements and modeling strategies
- Overview of IBM Cognos Framework Manager
- Create a baseline project
- Extend a model
- Prepare reusable metadata

### Model for predictable results in IBM Cognos Framework Manager

- Identify query issues
- Identify reporting traps
- Model virtual star schemas
- Use query subjects, modify relationships, and consolidate metadata using virtual objects
- Create calculations, filter data, and customize metadata for runtime
- Implement a time dimension and specify determinants

### Model for presentation in IBM Cognos Framework Manager

- Create a presentation view
- Examine data source query subject types and stored procedure query subject types
- Specify data security and package security
- Specify object security and dynamic data security
- Create analysis objects
- Manage OLAP data sources

### Advanced capabilities in IBM Cognos Framework Manager

- Explore SQL generation and the use of governors
- Examine the use of IBM Cognos SQL and generated SQL for DMR data
- Other query considerations

- Use session parameters, prompt macros, and security macro functions
- Use materialized views, minimize SQL, and enable Dynamic Query Mode (DQM)
- DQM, CQM, caching metadata, query processing, aggregate calculation, and other ways to improve performance

#### Extended capabilities in IBM Cognos Framework Manager (Optional)

- Perform basic maintenance and management on a model
- Remap metadata to another source and import and link additional data sources
- Run scripts to automate or update a model and report on a model
- Segment a project, link a project, and branch a model
- Nest packages and specify package languages and functions
- Explore additional modeling techniques and customize metadata for a multilingual audience