newcomp
analytics

2017

SUMMER - FALL

IBM ANALYTICS
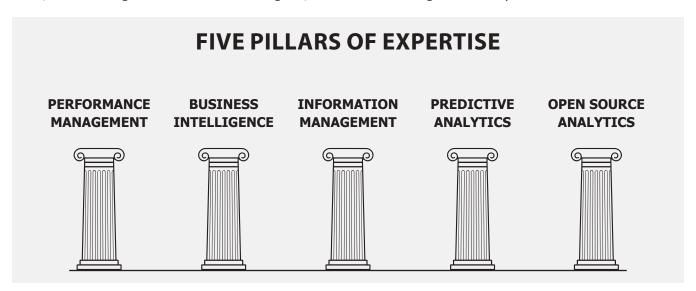TRAINING CATALOGUE

TABLE OF CONTENTS

WE ARE
NEWCOMP ANALYTICS

| SOFTWARE LICENSING | SOFTWARE RENEWALS | TRAINING & EDUCATION | PROFESSIONAL SERVICES | EVENTS & WORKSHOPS |

ABOUT US

Newcomp Analytics is an IBM Platinum Business Partner and Canada's leading solution provider of IBM Analytics. With a team of more than 50 professionals focused on financial performance, data analytics, predictive modeling and data mining, we have assisted over 400 clients in North America. As an end-to-end solution provider, Newcomp Analytics is committed to helping companies drive results and achieve business goals by opening the doorway to reliable real-time data, uncovering critical business insights, and transforming business processes.

FIVE PILLARS OF EXPERTISE

| PERFORMANCE MANAGEMENT | BUSINESS INTELLIGENCE | INFORMATION MANAGEMENT | PREDICTIVE ANALYTICS | OPEN SOURCE ANALYTICS |

Newcomp Analytics recognizes IBM as the innovator and leader in the analytics market. Over the last twenty years, IBM and Newcomp's partnership has proven that the combination of IBM's innovative products and Newcomp's services have been key for successful project implementations.

newcomp analytics | IBM Platinum Business Partner

UPCOMING EVENTS

This season, our lineup of events covers a wide range of topics and industries to bring the most interesting insights in IBM Analytics to our attendees. We host our events across Canada or online in a webinar format for everyone to join. Be sure to visit our website at newcomp.com/events for more event details and registration information. We welcome your feedback and recommendations at info@newcomp.com.

newcomp **analytics**

Steps and Considerations for Upgrading

New Product Releases and Features

Industry Specific Events

IBM Analytics Community Events

Watson Analytics for Social Media

Premier Business Partner **IBM**®
www.newcomp.com

Register at
newcomp.com/events

NEWCOMP ANALYTICS ACHIEVES PLATINUM STATUS

"We are honored to be recognized as the first Canadian IBM Analytics focused partner in Canada to have achieved IBM's Platinum Level Partner Status"

- Michael Langton, President of Newcomp Analytics

Newcomp Analytics, Canada's leading solution provider of IBM Business Analytics, is pleased to announce that it has achieved the distinguished IBM Platinum Level Partner status. By awarding Newcomp Analytics with the highest partnership level, IBM recognizes the company's deep expertise in delivering IBM Cognitive solutions in Enterprise/Advanced Analytics, Information Management and Financial & Operational Performance Management.

"We are honored to be recognized as the first Canadian IBM Analytics focused partner in Canada to have achieved IBM's Platinum Level Partner status. As a company, we are passionate about helping all Canadian organizations- businesses, government, healthcare, education and many others, transform their data into a valuable asset capable of delivering meaningful insights. We believe that our singular focus on data

analytics, coupled with our delivery team's best business practices, will bring our clients transformable success", said Michael Langton, President, Newcomp Analytics.

"The Platinum Partner distinction recognizes Newcomp Analytics' long-term dedication to its clients, as well an extraordinary commitment and high level of expertise in IBM's data analytics solutions. It also enables Newcomp Analytics to make a significant impact in helping its Canadian Analytics clients transform to the Cognitive era", said Mark Harris – IBM's Canadian Analytics Director.

The Platinum designation was announced last February as part of IBM's newly redesigned PartnerWorld program. The new, four-tiered PartnerWorld program moves IBM and its Business Partners from a product-centric model to one focused on competencies, customer satisfaction and best practices.

TRAINING INITIATIVE

We believe that the most successful implementations result from educated and empowered users. Our educators are certified analytics professionals who bring real-life practical expertise to the classroom. Our dedicated training team will work with you and your team to understand your unique business needs and recommend the best training paths and formats to meet those needs.

This catalogue presents an overview of our most popular courses and locations. If you are looking for a course topic or location that is not listed, feel free to reach out to us directly.

AVAILABLE TRAINING FORMATS

In-Class: Newcomp's in-class facilities are located in Markham, Ottawa, Vancouver, Halifax, Calgary, Winnipeg, and Edmonton. Additional locations may be added based on demand.

Instructor-Led Online (ILO): ILO courses reduce travel time and costs as they can be taken from home or from the office. Students only need access to a computer, high-speed Internet, a phone and a headset.

Self-Paced Virtual Classes: Students have the flexibility to complete a course at their own pace over a 30-day time frame. *Please note that there is no live interaction with an instructor in this format.*

PRIVATE TRAINING OPTIONS

On-Site: Instructors can deliver training to your entire team/user group at your location. This option reduces travel time, lowers costs and increases flexibility in scheduling. This format also enables students on the same team to interact with one another during the course, thereby increasing the value of the training.
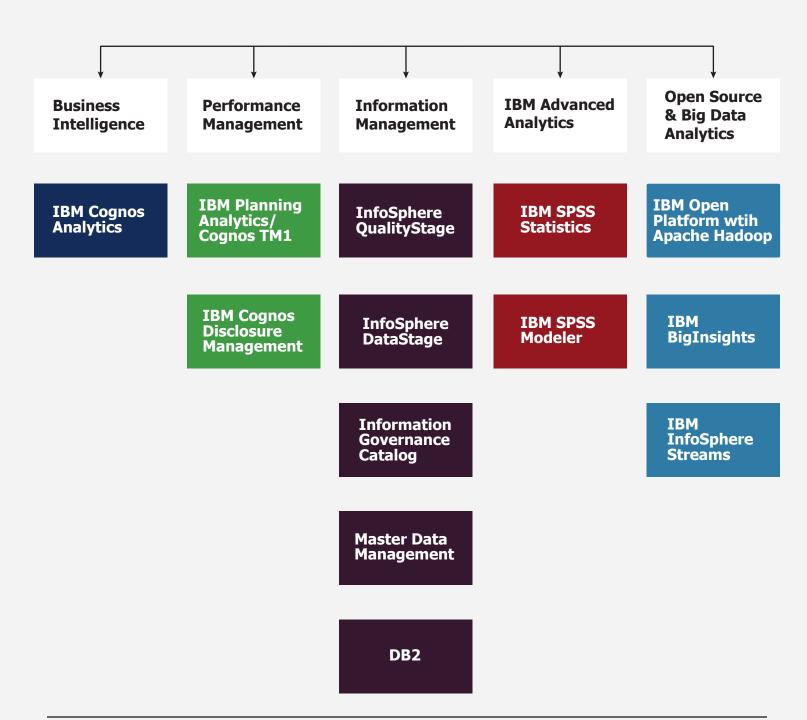
Customized: Newcomp can also customize analytics courses based on user roles and training needs within an organization. This format enables students to learn new skills with their organization's data, optimizing the learning experience. Students receive the same experience as an in-class course, with a live instructor and hands-on practice with their environment.

Educational Mentoring: Educational mentoring is ideal for individuals who are looking for assistance with various topics that do not fit in a single course, or have specific questions about their organization's environment. Our instructor will work with students to cover requested topics, as well as answer ad hoc questions.

NEWCOMP ANALYTICS' IBM PRODUCT PORTFOLIO

The product portfolio below is not an exhaustive list of Newcomp Analytics' offerings- it represents our most frequently requested training categories. Please reach out to us if you are interested in training for a topic outside of the products listed below.

Business Intelligence	Performance Management	Information Management	IBM Advanced Analytics	Open Source & Big Data Analytics
IBM Cognos Analytics	IBM Planning Analytics/ Cognos TM1	InfoSphere QualityStage	IBM SPSS Statistics	IBM Open Platform wtih Apache Hadoop
	IBM Cognos Disclosure Management	InfoSphere DataStage	IBM SPSS Modeler	IBM BigInsights
		Information Governance Catalog		IBM InfoSphere Streams
		Master Data Management		
		DB2		

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IBM COGNOS ANALYTICS (v11)

AVAILABLE TRAINING FORMATS:

In-Class

Instructor-Led Online

Self-Paced Virtual Classes

Customized

IBM COGNOS ANALYTICS

NEXT-GENERATION BI THAT INTERPRETS YOUR INTENT AND GUIDES YOU TO FASTER RESULTS

IBM Cognos Analytics is a powerful enterprise BI platform that integrates reporting, modeling, analysis, dashboards, metrics, and event management with the self-serving capabilities that empowers users to turn data into insights and make effective business decisions. IBM Cognos Analytics is designed with the business user in mind, offering a smarter and more effective way to easily prepare, create and visualize content using the built-in intelligence to guide them.

KEY FEATURES

REPORTING & VISUALIZATION

- Contextualized smart search
- Intuitive interface
- Drag & drop dashboard creation
- Automatic recommendation of the best visualizations
- On-demand menus for access to full capabilities over a clean workspace
- Single interface to create ad hoc or pixel perfect reports

DATA MODELING

- A complete web-based experience
- Easy upload of personal and external data
- Direct reporting from data sources
- Effortlessly blend data
- Automatic data model generation based on keywords

DATA INTEGRITY

- Data protected with layers of permissions
- Report integrity maintained regardless of range of inputs across business
- Controls to protect data whether you're creating one report for many or many are creating one report
- Scheduling and alerts

CLOUD & ON-PREMISE

- Ability to run both on cloud and on-premise
- Faster ROI
- Simple licensing structure
- Potential for truly integrated analytics across IBM & third-party clouds
- Improved accessibility that is technology- and device-agnostic
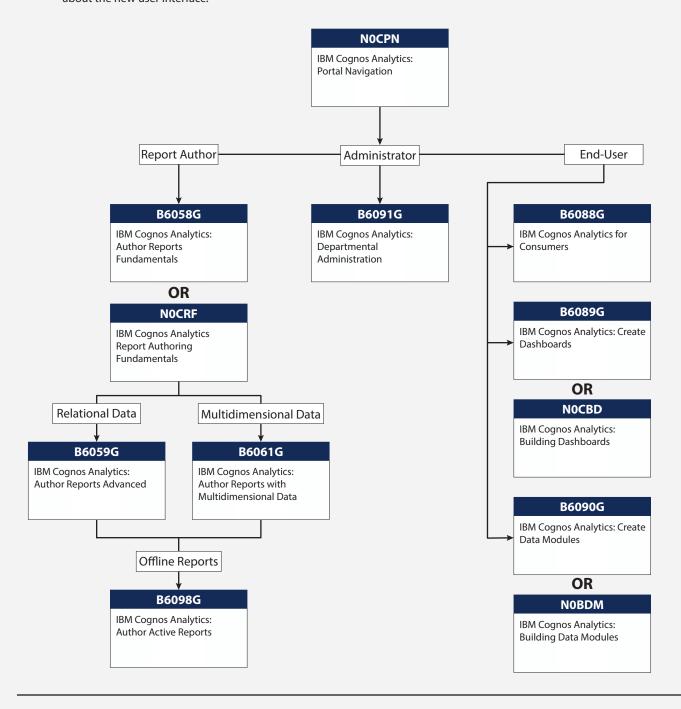
IBM COGNOS ANALYTICS UPGRADE ROAD MAP
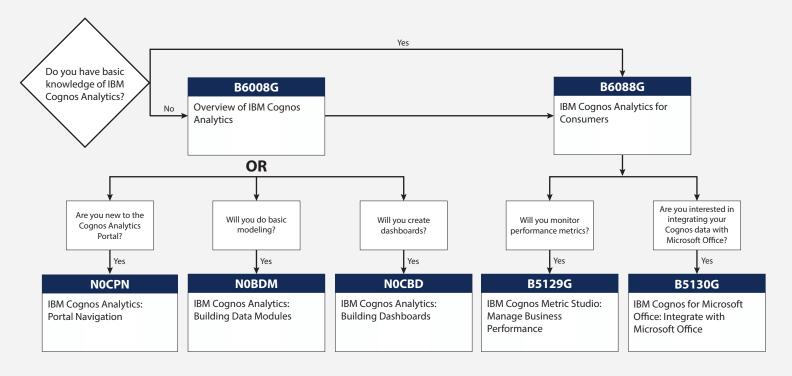
UPGRADING FROM VERSION 10.2.2 TO VERSION 11

Development and administration have not changed between version 10.2.2 and version 11. Individuals who have already received training on the developer tools (Framework Manager, Cube Designer, Transformer) and administration in version 10.2.2 do not need to retake those courses. It is recommended that developers and administrators take the N0CPN course to learn about the new user interface.

N0CPN
IBM Cognos Analytics: Portal Navigation

Report Author — **Administrator** — **End-User**

B6058G
IBM Cognos Analytics: Author Reports Fundamentals

OR

N0CRF
IBM Cognos Analytics Report Authoring Fundamentals

Relational Data | Multidimensional Data

B6059G
IBM Cognos Analytics: Author Reports Advanced

B6061G
IBM Cognos Analytics: Author Reports with Multidimensional Data

Offline Reports

B6098G
IBM Cognos Analytics: Author Active Reports

B6091G
IBM Cognos Analytics: Departmental Administration

B6088G
IBM Cognos Analytics for Consumers

B6089G
IBM Cognos Analytics: Create Dashboards

OR

N0CBD
IBM Cognos Analytics: Building Dashboards

B6090G
IBM Cognos Analytics: Create Data Modules

OR

N0BDM
IBM Cognos Analytics: Building Data Modules

CONSUMER

Consume Content in Cognos Analytics: As a Cognos Analytics consumer, you are familiar with accessing content, using reports, creating dashboards, and personalizing the appearance of the IBM Cognos Analytics portal.

Do you have basic knowledge of IBM Cognos Analytics?

No —
Yes —

B6008G
Overview of IBM Cognos Analytics

B6088G
IBM Cognos Analytics for Consumers

OR

Are you new to the Cognos Analytics Portal? — Yes

Will you do basic modeling? — Yes

Will you create dashboards? — Yes

Will you monitor performance metrics? — Yes

Are you interested in integrating your Cognos data with Microsoft Office? — Yes

N0CPN
IBM Cognos Analytics: Portal Navigation

N0BDM
IBM Cognos Analytics: Building Data Modules

N0CBD
IBM Cognos Analytics: Building Dashboards

B5129G
IBM Cognos Metric Studio: Manage Business Performance

B5130G
IBM Cognos for Microsoft Office: Integrate with Microsoft Office

ADMINISTRATOR

Administer the Cognos Analytics Platform: As an administrator, you are responsible for overseeing the technical aspects of your IBM Cognos Analytics enterprise. Use this journey to learn how to install and configure the IBM Cognos Analytics environment, as well as perform various server troubleshooting tasks and log analysis.

Do you have basic knowledge of IBM Cognos Analytics?

No —
Yes —

B6008G
Overview of IBM Cognos Analytics

OR

N0CBD/N0CPN/N0BDM
IBM Cognos Analytics: Building Dashboards/ Portal Navigation/ Building Data Modules

Are you new to administering Cognos Analytics? — Yes

B6055G
IBM Cognos Analytics: Enterprise Administration

No

Are you interested in advanced aspects of Cognos Analytics administration? — Yes

B6019G
IBM Cognos Analytics: Architecture and Logging

Are you interested in lightweight Cognos Analytics administration? — Yes

B6091G
IBM Cognos Analytics: Departmental Administration

No

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PROJECT MANAGER

Manage Business Projects: As a project manager, you are responsible for managing the Cognos Analytics project from the initiation phase to project completion. Use this journey to learn the process of creating a Cognos Analytics solution, the underlying architecture and how the IBM implementation methodology complements top project management methodologies.

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Do you have basic          Yes
knowledge of IBM    ┌─────────────────────────────────────────────┐
Cognos Analytics?   │                                             │
         No         ▼                                             ▼
              ┌──────────────────┐      ┌──────────────────┐  ┌──────────────────┐
              │     B6008G       │      │     B6088G       │  │     B6070G       │
              ├──────────────────┤ ───▶ ├──────────────────┤  ├──────────────────┤
              │ Overview of IBM  │      │ IBM Cognos       │  │ Essentials for   │
              │ Cognos Analytics │      │ Analytics for    │  │ IBM Cognos       │
              │                  │      │ Consumers        │  │ Analytics        │
              └──────────────────┘      └──────────────────┘  └──────────────────┘
                       OR
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              │  N0CBD/N0CPN/N0BDM      │
              ├────────────────────────┤
              │ IBM Cognos Analytics:  │
              │ Building Dashboards/   │
              │ Portal Navigation/     │
              │ Building Data Modules  │
              └────────────────────────┘
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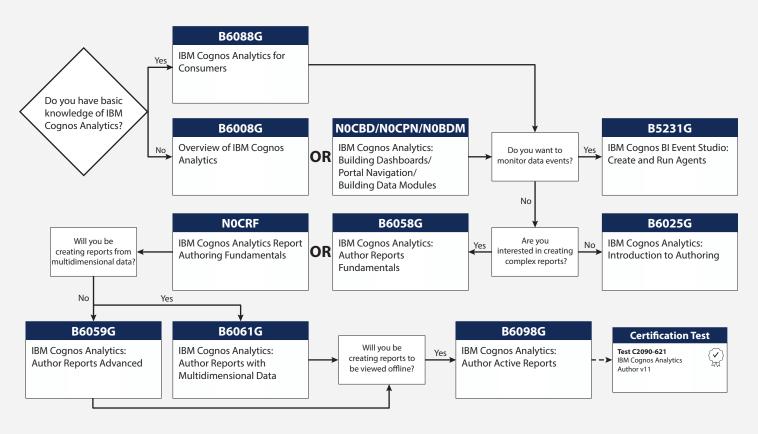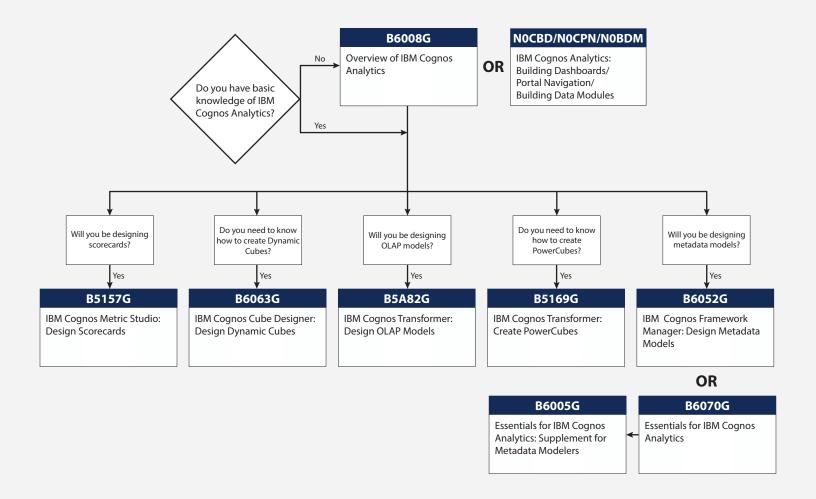
AUTHOR

Build Professional Reports & Analyze Data: As a professional author, you are responsible for creating reports for a variety of audiences. Use this journey to develop your skills to build simple and complex reports.

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                          ┌──────────────────────┐
                    Yes   │       B6088G         │
                 ┌───────▶├──────────────────────┤──────────────┐
Do you have      │        │ IBM Cognos Analytics │              │
basic            │        │ for Consumers        │              ▼
knowledge of ────┤        └──────────────────────┘      ┌──────────────┐      ┌──────────────────┐
IBM Cognos       │                                      │ Do you want  │ Yes  │     B5231G       │
Analytics?       │ No  ┌──────────────────┐  OR ┌──────────────────────┐│ to monitor   │────▶ ├──────────────────┤
                 └────▶│     B6008G       │     │ N0CBD/N0CPN/N0BDM    ││ data events? │      │ IBM Cognos BI    │
                       ├──────────────────┤     ├──────────────────────┤│              │      │ Event Studio:    │
                       │ Overview of IBM  │     │ IBM Cognos Analytics:│└──────────────┘      │ Create and Run   │
                       │ Cognos Analytics │     │ Building Dashboards/ │       │ No            │ Agents           │
                       │                  │     │ Portal Navigation/   │       ▼               └──────────────────┘
                       └──────────────────┘     │ Building Data Modules│
                                                └──────────────────────┘
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┌────────────────┐  ┌──────────────────┐  OR ┌──────────────────┐        ┌──────────────┐  No ┌──────────────────┐
│ Will you be    │  │      N0CRF       │     │     B6058G       │        │ Are you      │────▶│     B6025G       │
│ creating       │◀─├──────────────────┤     ├──────────────────┤◀── Yes │ interested in│     ├──────────────────┤
│ reports from   │  │ IBM Cognos       │     │ IBM Cognos       │        │ creating     │     │ IBM Cognos       │
│ multidimensional│  │ Analytics Report │     │ Analytics:       │        │ complex      │     │ Analytics:       │
│ data?          │  │ Authoring        │     │ Author Reports   │        │ reports?     │     │ Introduction to  │
└────────────────┘  │ Fundamentals     │     │ Fundamentals     │        └──────────────┘     │ Authoring        │
   No      Yes      └──────────────────┘     └──────────────────┘                             └──────────────────┘
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┌──────────────────┐  ┌──────────────────┐  ┌──────────────┐       ┌──────────────────┐   ┌──────────────────────┐
│     B6059G       │  │     B6061G       │  │ Will you be  │  Yes  │     B6098G       │   │  Certification Test  │
├──────────────────┤  ├──────────────────┤  │ creating     │─────▶├──────────────────┤   ├──────────────────────┤
│ IBM Cognos       │  │ IBM Cognos       │  │ reports to   │      │ IBM Cognos       │╌╌▶│ Test C2090-621       │
│ Analytics:       │  │ Analytics:       │  │ be viewed    │      │ Analytics:       │   │ IBM Cognos Analytics │
│ Author Reports   │  │ Author Reports   │  │ offline?     │      │ Author Active    │   │ Author v11           │
│ Advanced         │  │ with             │  └──────────────┘      │ Reports          │   └──────────────────────┘
└──────────────────┘  │ Multidimensional │                        └──────────────────┘
                      │ Data             │
                      └──────────────────┘
```

DEVELOPER

Build Data Models, Cubes & Scorecards: As a developer, you are responsible for designing metadata models that enable your organization to build reports and analyze their data. Use this journey to develop your skills in building relational or multidimensional data models.

Do you have basic knowledge of IBM Cognos Analytics?

No →

B6008G
Overview of IBM Cognos Analytics

OR

N0CBD/N0CPN/N0BDM
IBM Cognos Analytics: Building Dashboards/ Portal Navigation/ Building Data Modules

Yes →

Will you be designing scorecards? — **Yes**
B5157G
IBM Cognos Metric Studio: Design Scorecards

Do you need to know how to create Dynamic Cubes? — **Yes**
B6063G
IBM Cognos Cube Designer: Design Dynamic Cubes

Will you be designing OLAP models? — **Yes**
B5A82G
IBM Cognos Transformer: Design OLAP Models

Do you need to know how to create PowerCubes? — **Yes**
B5169G
IBM Cognos Transformer: Create PowerCubes

Will you be designing metadata models? — **Yes**
B6052G
IBM Cognos Framework Manager: Design Metadata Models

OR

B6005G
Essentials for IBM Cognos Analytics: Supplement for Metadata Modelers

← **B6070G**
Essentials for IBM Cognos Analytics

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B6008G
Overview of IBM Cognos Analytics (1 day)

This course provides a high-level overview of the IBM Cognos Analytics suite of products and their underlying architecture. Students will examine each component as it relates to an analytics solution, and will be shown a range of resources that provide additional information on each product.

Audience:
- Consumers, business authors, professional authors, developers, administrators, modelers, and project managers

Prerequisites:
- An understanding of your organization's business intelligence process and reporting needs
- Familiarity with Windows OS

B6052G
IBM Cognos Framework Manager: Design Metadata Models (5 days)

This course introduces advanced metadata modeling concepts for predictable reporting and covers how to analyze results using Framework Manager. Students will learn the full scope of the metadata modeling process, from project creation to publishing metadata to the web.

Audience:
- Developers

Prerequisites:
- Knowledge of common industry-standard data structures and design
- Experience with SQL, and gathering requirements and analyzing data
- B6058G - IBM Cognos Analytics: Author Reports Fundamentals (page 15) or equivalent experience *(recommended)*

B6055G
IBM Cognos Analytics: Enterprise Administration (3 days)

This course teaches new administrators fundamental installation, configuration, and administration tasks. This includes installing and configuring the IBM Cognos Analytics software, implementing security, and managing the server components. Students will also monitor and schedule tasks, create data sources, and manage and deploy content.

Audience:
- Administrators

Prerequisites:
- Knowledge of web application server architectures
- Knowledge of security systems administration

B6058G
IBM Cognos Analytics: Author Reports Fundamentals (3 days)

Students will learn report-building techniques using relational data models, including enhancing, customizing, and managing professional reports.

Audience:
- Authors

Prerequisites:
- Familiarity with Windows OS and a web browser

B6059G

IBM Cognos Analytics: Author Reports Advanced (2 days)

Following the Fundamentals course, this course teaches advanced report-building techniques using relational data models, including ways to enhance, customize, and manage professional reports. Students will participate in interactive demonstrations and exercises that illustrate key concepts while learning how to use advanced features in the product builds on topics learned in the Fundamentals course.

Audience:
- Report authors looking to use relational data models to build reports

Prerequisites:
- B6058G - IBM Cognos Analytics - Author Reports Fundamentals (page 15) or equivalent experience

B6061G

IBM Cognos Analytics: Author Reports with Multidimensional Data (2 days)

This advanced course will allow professional report authors to build on their expertise with IBM Cognos Analytics by applying dimensional techniques to reports. Students will author reports that navigate and manipulate dimensional data structures using the specific dimensional features available in IBM Cognos Analytics.

Audience:
- Report authors looking to use dimensional data sources to build reports

Prerequisites:
- B6058G - IBM Cognos Analytics: Author Reports Fundamentals (page 15) or equivalent experience
- Knowledge of dimensional data

B6063G

IBM Cognos Cube Designer: Design Dynamic Cubes (2 days)

This course covers advanced metadata modeling for predictable reporting and analysis of results using IBM Cognos Cube Designer. Students will learn the full range of the metadata modeling process, including project creation, publishing a dynamic cube, and enabling end-users to easily author reports and analyze data.

Audience:
- Data modelers

Prerequisites:
- Knowledge of dimensional modeling and design
- Experience using the IBM Cognos Analytics portal and Administration

B6070G

Essentials for IBM Cognos Analytics (5 days)

This accelerated course offering provides core project team members with a high-level overview of the IBM Cognos Analytics platform implementation, including three essential topic areas: modeling, report authoring, and administration of IBM Cognos Analytics. *Additional eLearning modules are available for purchase, please contact the Newcomp Training Team for details.*

Audience:
- Core project team members: project managers, technical analysts, and developers

Prerequisites:
- Knowledge of common industry-standard data structures and design, and web application architectures
- Experience with SQL, gathering requirements and analyzing data
- Knowledge of security systems administration

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B6098G

IBM Cognos Analytics: Author Active Reports (1 day)

This course builds on students' IBM Cognos Analytics experience. Students will learn how to create interactive reports using IBM Cognos Active Report controls, which can then be distributed and consumed by users in a disconnected environment, such as on mobile devices.

Audience:
- Report authors looking to create interactive reports

Prerequisites:
- Basic understanding of IBM Cognos Analytics – Reporting
- B6058G - IBM Cognos Analytics: Author Reports Fundamentals (page 15) or equivalent experience

B6019G

IBM Cognos Analytics: Architecture and Logging (2 days)

This course teaches administrators how to identify components and sub-components of the IBM Cognos Analytics architecture, and how to use tools and techniques to provide a foundation to troubleshoot issues. Students will also identify IBM Cognos Analytics components, examine its relationship with Java, and explore logging to assist with troubleshooting issues.

Audience:
- Administrators

Prerequisites:
- B6055G - IBM Cognos Analytics: Enterprise Administration course (page 15) or equivalent experience administering the IBM Cognos Analytics environment

B6005G

Essentials for IBM Cognos Analytics: Supplement for Metadata Modelers (2 days)

This course provides students with the remainder of the metadata modeling concepts, found in the IBM Cognos Framework Manager: Design Metadata Models offering. This course provides a complete overview of the metadata modeling process, from initial project creation, to publishing metadata to the web.

Audience:
- Developers, modelers, and application developers

Prerequisites:
- Knowledge of common industry-standard data structures and design
- Experience with SQL, and gathering requirements and analyzing data
- B6070G - Essentials for IBM Cognos Analytics (page 16) or equivalent experience

N0CRF

IBM Cognos Analytics Report Authoring Fundamentals (2 days)

This course introduces students to the fundamentals of reporting in IBM Cognos Analytics v11, a powerful business intelligence tool designed for user self-service. Students will be introduced to Lists, Crosstabs and Charts as well as interactive features like prompts and report drill-through. During the course students will also learn how to add advanced formatting to the objects in their reports, apply conditional styles, and integrate external data.

Audience:
- Professional report authors

Prerequisites:
- None

N0CBD

IBM Cognos Analytics: Building Dashboards (1/2 day)

This course teaches students how to build interactive dashboards using the Cognos Analytics dashboarding component. Students will learn how to use different techniques to create different widget visualizations, using both uploaded files and packages as data sources, as well as common formatting techniques.

Audience:
- Consumers

Prerequisites:
- None

N0CPN

IBM Cognos Analytics: Portal Navigation (1/4 day)

This course teaches students how to navigate the new Cognos Analytics portal. Students will learn how to access content including navigating the Team Content and My Content folders, use the Smart Search functionality, run reports and dashboards, review object properties, interact with report versions, set personal preferences, subscribe to reports and use notifications.

Audience:
- Consumers

Prerequisites:
- None

N0BDM

IBM Cognos Analytics: Building Data Modules (1/4 day)

This course teaches students how to create data modules using lightweight data modeling techniques. Students will learn how to identify data sources, create data servers, select data sources for the data module, identify and add intent, ans identify joins/relationships between data sources. Other skills such as adding calculations, custom data groups, cleansing and formatting columns will be covered.

Audience:
- Consumers

Prerequisites:
- None

SELF-PACED VIRTUAL CLASSES

B5130G

IBM Cognos for Microsoft Office: Integrate with Microsoft Office

This course teaches consumers how to import reports and report elements from IBM Cognos Connection to Microsoft Excel, Microsoft PowerPoint, and Microsoft Word. Students will learn how to publish IBM Cognos-enabled workbooks, presentations, and documents to IBM Cognos Connection, and run entries in IBM Cognos Connection using IBM Cognos for Microsoft Office.

Audience:
- Consumers

Prerequisites:
- Familiarity with Windows OS, and a web browser
- Knowledge of DB2

B5231G

IBM Cognos BI Event Studio: Create and Run Agents

This course introduces students to basic Event Studio techniques, including how to run and create agents to monitor events through a business life-cycle.

Audience:
- Professional report authors

Prerequisites:
- Familiarity with Windows OS, and a web browser
- Knowledge of DB2

B6025G

IBM Cognos Analytics: Introduction to Authoring

This course covers ways to create, enhance, customize, and manage reports and charts using IBM Cognos Analytics - Reporting. Students will view demonstrations and work through scenarios that illustrate key introductory concepts while exploring the basics of the Reporting tool.

Audience:
- Authors

Prerequisites:
- Knowledge of your business requirements
- Experience using Windows OS, and a web browser

B6088G

IBM Cognos Analytics for Consumers

This course teaches consumers how to access content, use reports, create dashboards, and personalize the appearance of IBM Cognos Analytics portal.

Audience:
- Open

Prerequisites:
- None

IBM Cognos Analytics Courses

v11

B6089G
IBM Cognos Analytics - Create Dashboards

This course covers the basics of dashboard creation using IBM Cognos Analytics, including an introduction to its product layout and functionality, while gaining skills in creating interactive and informative dashboards. Students will identify data sources, customize content and presentation.

Audience:
- Analysts and business users

Prerequisites:
- Experience using Microsoft Excel

B6090G
IBM Cognos Analytics - Create Data Modules

Students will be introduced to the complete metadata modeling process, from creating data sources and data modules, to sharing metadata with other users, facilitating reports, and analysis. Students will learn how to use data servers and uploaded files as data sources, and how to add intent to their data model. Students will also learn how to add tables to their models, set and modify object properties, create calculations, identify joins, as well as how to clean, format, and group their data for reporting purposes.

Audience:
- Authors

Prerequisites:
- Report authoring experience

B6091G
IBM Cognos Analytics - Departmental Administration

This course covers how to use the administration capabilities available in the IBM Cognos Analytics 11.0 portal. Students will learn how to manage the security environment, perform deployment of application content, create and manage data server connections, and view and manage runtime activities.

Audience:
- Administrators

Prerequisites:
- Knowledge of web application server architectures and security systems administration
- Familiarity with Windows OS, and a web browser

IBM BUSINESS INTELLIGENCE (v10.2.2)

Please Note: Cognos Business Intelligence version 10.2.2 will reach End of Support on 2018-04-30. Please contact our team for more information or to learn more on how we can help with your environment's upgrade.

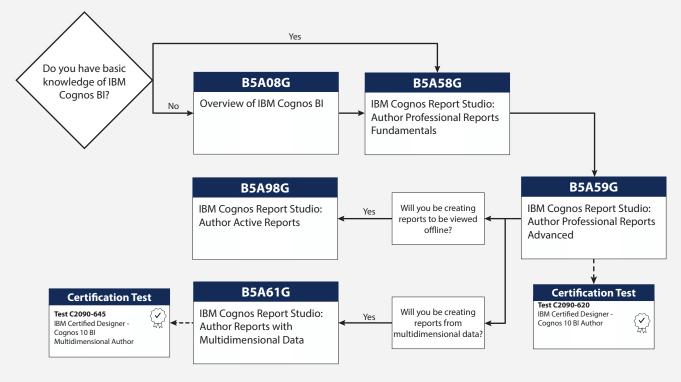## AVAILABLE TRAINING FORMATS:

In-Class

Instructor-Led Online
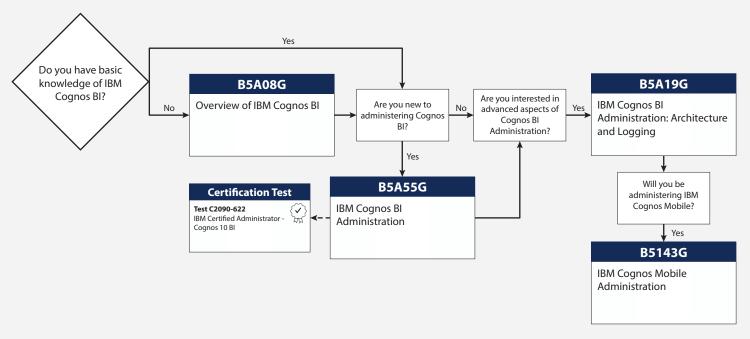
Self-Paced Virtual Classes

Customized

PROFESSIONAL AUTHOR

Build Professional Reports & Analyze Data: As a professional author, you are responsible for creating and maintaining all types of BI content for a variety of audiences. Use this journey to develop your report developer skills in Report Studio with advanced query, extensive formatting capabilities, and distribution capabilities.

Do you have basic knowledge of IBM Cognos BI?

Yes

No

B5A08G
Overview of IBM Cognos BI

B5A58G
IBM Cognos Report Studio: Author Professional Reports Fundamentals

B5A98G
IBM Cognos Report Studio: Author Active Reports

Will you be creating reports to be viewed offline?

Yes

B5A59G
IBM Cognos Report Studio: Author Professional Reports Advanced

Certification Test
Test C2090-620
IBM Certified Designer - Cognos 10 BI Author

Certification Test
Test C2090-645
IBM Certified Designer - Cognos 10 BI Multidimensional Author

B5A61G
IBM Cognos Report Studio: Author Reports with Multidimensional Data

Yes

Will you be creating reports from multidimensional data?

Yes

ADMINISTRATOR

Administer the BI Platform: As an administrator, you are responsible for overseeing the technical aspects of your IBM Cognos BI enterprise. Use this journey to learn how to install and configure the IBM Cognos BI environment, as well as perform various server troubleshooting tasks and log analysis.

Do you have basic knowledge of IBM Cognos BI?

Yes

No

B5A08G
Overview of IBM Cognos BI

Are you new to administering Cognos BI?

No

Are you interested in advanced aspects of Cognos BI Administration?

Yes

B5A19G
IBM Cognos BI Administration: Architecture and Logging

Yes

Certification Test
Test C2090-622
IBM Certified Administrator - Cognos 10 BI

B5A55G
IBM Cognos BI Administration

Will you be administering IBM Cognos Mobile?

Yes

B5143G
IBM Cognos Mobile Administration

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BUSINESS AUTHOR

Build Ad-Hoc Reports & Analyze Data: This role is aimed for non-technical business users and analysts who need to view scheduled reports, run reports interactively and create new ad-hoc queries. Use this journey to develop your skills to be self-sufficient in your enterprise BI environment.
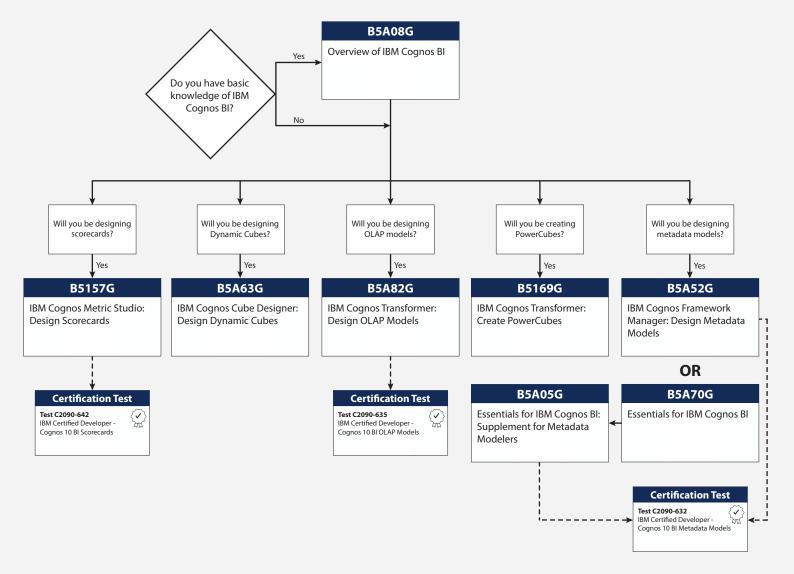
Do you have basic knowledge of IBM Cognos BI?

Yes

No

B5A08G
Overview of IBM Cognos BI

Will you be analyzing data & building ad hoc reports?

No

B5151G *
IBM Cognos Analysis Studio: Analyze Data

B5150G *
IBM Cognos Query Studio: Build Ad Hoc Reports

Yes, using Query Studio & Analysis Studio

N0CWF - A/AM/ATM
Newcomp Modules - Cognos Workspace Advanced. See page 32 & 33 for further details.

OR

B5A81G
IBM Cognos Workspace Advanced: Author Self-Service Reports

Yes, using IBM Cognos Workspace Advanced

* Query Studio and Analysis Studio will not be available after v10.2.2 - thus, we are recommending that our clients transition to Cognos Workspace Advanced for ad-hoc reporting.

P8125G
IBM Cognos: Analysis for Microsoft Excel: Analyze BI Data

Yes

Will you be using IBM Cognos Analysis for Microsoft Excel to analyze data?

PROJECT MANAGER

Manage Business Projects: As a project manager, you are responsible for managing the BI project from the initiation phase to project completion. Use this journey to learn the process of creating a BI solution, the underlying architecture and how the IBM implementation methodology complements top project management methodologies.

Do you have basic knowledge of IBM Cognos BI?

Yes

No

B5A70G
Essentials for IBM Cognos BI

B5132G
IBM Cognos BI: Manage Projects

B5A08G
Overview of IBM Cognos BI

DEVELOPER

Build Data Models, Cubes & Scorecards: As a developer, you are responsible for designing metadata models that enable your organization to build reports and analyze their data. Use this journey to develop your skills in building relational or multidimensional data models.

Do you have basic knowledge of IBM Cognos BI?

Yes →

B5A08G
Overview of IBM Cognos BI

No →

Will you be designing scorecards? — Yes →
B5157G
IBM Cognos Metric Studio: Design Scorecards

Will you be designing Dynamic Cubes? — Yes →
B5A63G
IBM Cognos Cube Designer: Design Dynamic Cubes

Will you be designing OLAP models? — Yes →
B5A82G
IBM Cognos Transformer: Design OLAP Models

Will you be creating PowerCubes? — Yes →
B5169G
IBM Cognos Transformer: Create PowerCubes

Will you be designing metadata models? — Yes →
B5A52G
IBM Cognos Framework Manager: Design Metadata Models

Certification Test
Test C2090-642
IBM Certified Developer - Cognos 10 BI Scorecards

Certification Test
Test C2090-635
IBM Certified Developer - Cognos 10 BI OLAP Models

OR

B5A05G
Essentials for IBM Cognos BI: Supplement for Metadata Modelers

B5A70G
Essentials for IBM Cognos BI

Certification Test
Test C2090-632
IBM Certified Developer - Cognos 10 BI Metadata Models

CONSUMER

Consume Content in Cognos BI: As a Cognos BI consumer, you are familiar with accessing content, using reports, and creating dashboards.

Do you have basic knowledge of IBM Cognos BI?

Yes →

No →
B5A08G
Overview of IBM Cognos BI →
B5A88G
IBM Cognos BI for Consumers

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B5A08G

Overview of IBM Cognos Business Intelligence (BI) (1 day)

This course provides a high-level overview of the suite of products available under IBM Cognos BI and their underlying architectures. Students will examine each IBM Cognos BI component related to the comprehensive Smarter Analytics solution, and have access to a range of other resources with additional information on each product.

Audience:
- Consumers, business authors, professional report authors, developers, administrators, modelers, and project managers

Prerequisites:
- An understanding of your organization's business intelligence process and reporting needs
- Experience using a web browser and familiarity with Windows OS

B5150G

IBM Cognos Query Studio: Build Ad Hoc Reports (1 day)

This course teaches business authors how to create, modify and organize ad hoc reports. Students will also learn how to use various reporting capabilities including templates to create reports, data visualization, and administrative tasks such as scheduling and delivering reports in different formats (i.e. HTML, PDF, Excel).

Audience:
- Business authors

Prerequisites:
- Experience using a web browser and familiarity with Windows OS

* Query Studio will not be available after v10.2.2 - thus, we are recommending that our clients transition to Cognos Workspace Advanced for ad-hoc reporting.

B5151G

IBM Cognos Analysis Studio: Analyze Data (1 day)

This course teaches business authors how to navigate and analyze large volumes of data in IBM Cognos Analysis Studio and how to manage reports through IBM Cognos Connection. Students will learn how techniques such as ranking, filtering, asymmetrical crosstabs, and graphing help discover trends, and identify opportunities to allow smarter business decisions.

Audience:
- Business authors

Prerequisites:
- Experience using a web browser and familiarity with Windows OS
- B5150G - IBM Cognos Query Studio: Build Ad Hoc Reports (page 25) *(recommended)*

* Analysis Studio will not be available after v10.2.2 - thus, we are recommending that our clients transition to Cognos Workspace Advanced for ad-hoc reporting.

B5157G

IBM Cognos Metric Studio: Design Scorecards (3 days)

Developers will learn how to plan, create, set up, and maintain scorecard applications using IBM Cognos Metric Studio. Students will learn to load data from supported data sources using IBM Cognos Metric Designer, as well as alternative methods such as flat files and SQL scripts. Students will also learn how to secure objects within the scorecard application and the application itself.

Audience:
- Developers

Prerequisites:
- Knowledge of Performance Management concepts, scorecarding methodologies and applications
- Basic knowledge of IBM Cognos BI, IBM Cognos Connection and Relational Database Management System (RDBMS) (e.g. SQL Server)

B5A05G
Essentials for IBM Cognos BI: Supplement for Metadata Modelers (2 days)

This course outlines the remainder of the metadata modeling concepts found in the IBM Cognos Framework Manager: Design Metadata Models offering. This course will provide a complete overview of the metadata modeling process, from initial project creation, to publishing metadata to the web.

Audience:
- Developers, modelers, and application developers

Prerequisites:
- Knowledge of common industry-standard data structures and design
- Experience with SQL, gathering requirements and analyzing data
- B5A70G - Essentials for IBM Cognos BI (page 28) or equivalent experience

B5A19G
IBM Cognos BI Administration: Architecture and Logging (2 days)

This advanced course teaches administrators how to identify components of the IBM Cognos BI architecture, and how to troubleshoot issues using various tools and techniques. Administrators will examine how these components interact with Java, and will also explore how logging can assist with troubleshooting issues.

Audience:
- Administrators responsible for the IBM Cognos 10.2.2 BI environment

Prerequisites:
- B5A55G - IBM Cognos BI Administration (page 26) or equivalent experience

B5A52G
IBM Cognos Framework Manager: Design Metadata Models (5 days)

Developers will be introduced to advanced knowledge of metadata modeling concepts, including how to model metadata for predictive reporting and how to analyze results using Framework Manager. This course also covers the metadata modeling process, including initial project creation, publishing metadata to the web, and enabling end-users to author reports and analyze data.

Audience:
- Developers

Prerequisites:
- Knowledge of common industry standard data structures and design
- Experience with SQL and gathering requirements and analyzing data

B5A55G
IBM Cognos BI Administration (3 days)

This course teaches administrators the fundamental tasks of installing and configuring IBM Cognos BI and administering servers and content in the environment. Administrators will implement security, manage the server components, monitor and schedule tasks, create data sources, as well as manage and deploy content in IBM Cognos Connection and Administration.

Audience:
- Administrators

Prerequisites:
- Knowledge of web application server architectures *(recommended)*
- Knowledge of security systems administration *(recommended)*

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B5A58G

IBM Cognos Report Studio: Author Professional Reports Fundamentals (3 days)

Professional report authors will learn report-building techniques using relational data models, including methods to enhance, customize, and manage professional reports.

Audience:
- Professional report authors

Prerequisites:
- None

B5A59G

IBM Cognos Report Studio: Author Professional Reports - Advanced (2 days)

This course will expose professional report authors to advanced report-building techniques using relational data models, including ways to enhance, customize, and manage professional reports.

Audience:
- Professional report authors using relational data sources to build reports

Prerequisites:
- Basic knowledge of SQL, XML *(recommended)*
- B5A58G - IBM Cognos Report Studio: Author Professional Reports Fundamentals (page 27) or equivalent experience

B5A61G

IBM Cognos Report Studio: Author Professional Reports with Multidimensional Data (2 days)

This course teaches professional report authors how to apply dimensional techniques to reports. Students will learn how to author reports that navigate and manipulate dimensional data structures, using specific dimensional functions and features in IBM Cognos Report Studio.

Audience:
- Professional report authors using dimensional data sources to build reports

Prerequisites:
- B5A58G - IBM Cognos Report Studio: Author Professional Reports Fundamentals (page 27) or equivalent experience

B5A63G

IBM Cognos Cube Designer: Design Dynamic Cubes (2 days)

This intermediate course provides data modelers with introductory to advanced knowledge of how to model metadata for predictable reporting and results analysis using IBM Cognos Cube Designer. Students will learn the full scope of the metadata modeling process, from initial project creation and publishing dynamic cubes, to enabling end-users to easily author reports and analyze data.

Audience:
- Data modelers

Prerequisites:
- Knowledge of dimensional modeling and design
- Experience using IBM Cognos Connection and Administration

v10.2.2

IBM Cognos Business Intelligence Courses

B5A70G

Essentials for IBM Cognos BI (5 days)

This accelerated course offering is designed to help project team members gain a broad understanding of an IBM Cognos BI implementation process, covering three essential topic areas: modeling, report authoring, and administration. Students will be guided to more in-depth training offerings and paths leading to certification, with an option to purchase additional eLearning modules. *Please contact the Newcomp Training Team for details regarding the additional eLearning modules.*

Audience:
- Core project team members: project managers, technical analysts, and developers

Prerequisites:
- Experience using a web browser and familiarity with Windows OS

B5280G

IBM Cognos Data Manager: Build Data Marts with Enterprise Data (5 days)

This course teaches developers how to move, merge, consolidate, and transform data from a range of data sources to build and maintain data marts. Students will create a catalog, add connections to data sources and targets, and use the dimensional framework to deliver fact and dimension data to a data mart. Students will also learn how to automate common functionality and handle unbalanced hierarchical structures.

Audience:
- Developers

Prerequisites:
- Knowledge of database and dimensional analysis concepts, working knowledge of SQL

B5A81G

IBM Cognos Workspace Advanced: Author Self-Service Reports (2 days)

This course teaches business authors how to use IBM Cognos Workspace Advanced to create ad hoc reports with relational and dimensional data.

Audience:
- Business authors looking to build ad hoc reports

Prerequisites:
- None

B5A82G

IBM Cognos Transformer: Design OLAP Models (4 days)

This course provides an overview of Online Analytical Processing (OLAP) modeling concepts using Transformer. Students will learn how to design, build, and maintain IBM Cognos PowerCubes for use in IBM Cognos BI so that end-users can easily analyze data.

Audience:
- Developers looking to design OLAP models for use in IBM Cognos BI

Prerequisites:
- Understanding of business needs for ad hoc queries and analysis
- Experience gathering requirements and analyzing data
- B5A58G - IBM Cognos Report Studio: Author Professional Reports Fundamentals (page 27) or equivalent experience *(recommended)*

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B5A98G
IBM Cognos Report Studio: Author Active Reports (1 day)

This course covers how to incorporate interactivity and disconnected functionality to reports using active report controls. Students will learn how to author reports with interactive content, as well as reports optimized to work on mobile devices or in disconnected environments.

Audience:
- Professional report authors looking to create interactive and disconnected reports

Prerequisites
- Basic understanding of IBM Cognos Report Studio and report authoring
- B5A58G - IBM Cognos Report Studio: Author Professional Reports Fundamentals (Page 27) *(recommended)*

B5132G
IBM Cognos BI: Manage BI Projects (2 days)

This course introduces students to the IBM Cognos Solutions Implementation Methodology (IBM CSIM), the elements of IBM Cognos 10 BI, and the underlying architecture. Students will examine the process of creating an IBM Cognos 10 BI solution, discuss how IBM Cognos 10 BI relates to the other parts of IBM Cognos 10, and review how the IBM Cognos 10 implementation methodology complements top project management methodologies.

Audience:
- Project managers and implementation team stakeholders

Prerequisites:
- Knowledge of Performance Management (PM) concepts
- Familiarity using the Windows OS, and experience using a web browser
- Basic knowledge of IBM Cognos 10 BI and IBM Cognos Connection *(recommended)*

N0CCF
Cognos Connection (1/2 day)

This course introduces students to the basics of IBM Cognos Connection: the portal to your enterprise's IBM Cognos BI content and data. Students will learn how to navigate the public and private areas of IBM Cognos Connection and set preferences, as well as how to run, personalize, and schedule existing reports. This course also introduces pages, dashboard, and portal tabs.

Audience:
- All Cognos BI users

Prerequisites:
- None

N0QSF
Cognos Query Studio (1 day)

This course provides students with an overview of report creation in IBM Cognos Query Studio, including how to arrange content in both list and crosstab layouts and apply filters and sorts to the report data. Students will also learn how to add easy-to-create calculations that provide additional insight and apply conditional formatting to the numeric data in their reports.

Audience:
- Business authors

Prerequisites:
- None

IBM Cognos Business Intelligence Courses

v10.2.2

N0ASF
Cognos Analysis Studio (1 day)

This course introduces business authors to general dimensional concepts (dimensions, cubes, measures) before learning how to manipulate multidimensional data in the studio. Simple techniques such as drilling, swapping, filtering, and nesting will be covered before moving on to more advanced analysis features such as stacking, navigating levels and creating asymmetric crosstabs. Students will also learn about custom sorting and the creation of summary and item-based calculations to extend the user's analysis.

Audience:
- Business authors

Prerequisites:
- None

N0RSF
Cognos Report Studio Fundamentals (2 days)

This course introduces professional report authors to the fundamentals of IBM Cognos Report Studio, focusing on relational data, lists, crosstabs and charts as well as interactive features like prompts and report-to-report drill through. During the course, professional report authors will also learn how to add advanced formatting to the objects in their reports and how to apply conditional styles and rendering.

Audience:
- Professional report authors

Prerequisites:
- None

N0CWF
Cognos Workspace (1/2 day)

This course teaches business authors to assemble and share Workspaces of content from their IBM Cognos BI environment. Business authors will also learn to arrange and personalize content in an intuitive and interactive manner using Widgets, without requiring IT assistance. More specifically, students will create new calculations, add comments and annotations, and modify the formats and visualizations of the Widgets.

Audience:
- Business authors

Prerequisites:
- None

N0CWF-A
Cognos Workspace Advanced - Relational and Dimensional Data with DMR Datasource (2 days)

This course introduces IBM Cognos Workspace Advanced - a tool designed to combine the features of IBM Cognos Query Studio, Analysis Studio, and Report Studio Express, to eliminate "studio hopping" for users that require a variety of reporting techniques and functions. Students will build reports from relational and dimensional data packages, and learn how to leverage both types of data sources.

Audience:
- Business authors

Prerequisites:
- None

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N0CWF-AM

Cognos Workspace Advanced with Cognos PowerCubes (2 days)

This course introduces IBM Cognos Workspace Advanced- a tool designed to combine the features of IBM Cognos Query Studio, Analysis Studio, and Report Studio Express, to eliminate "studio hopping." Students will build reports from dimensional data packages and learn how to leverage IBM Cognos PowerCubes as a data source.

Audience:
- Business authors

Prerequisites:
- None

N0CWF-ATM

Cognos Workspace Advanced - Multidimensional Data with TM1 Cubes (2 days)

This course introduces IBM Cognos Workspace Advanced- a tool designed to combine the features of IBM Cognos Query Studio, Analysis Studio, and Report Studio Express, to eliminate "studio hopping" for users who require a variety of reporting techniques and functions. Students will build reports from TM1 Cubes and learn IBM Cognos Workspace Advanced features designed to leverage TM1 as a data source.

Audience:
- Business authors

Prerequisites:
- None

EM4BI

Esri Maps for IBM Cognos (2 days)

This course covers an overview of Esri Maps for IBM Cognos, including key features and benefits, creating Report Studio reports with Esri Maps, and manipulating data. Students will be introduced to location analytics, and learn how to gain additional insight into IBM Cognos Reports using Esri mapping.

Audience:
- Individuals who want to use Esri mapping with IBM Cognos reporting

Prerequisites:
- None

v10.2.2

IBM Cognos Business Intelligence Courses

SELF-PACED VIRTUAL CLASSES

B5129G 🖥

IBM Cognos Metric Studio: Manage Business Performance

This course teaches consumers how to monitor the performance of an organization using scorecards, including how to access scorecards, navigate metrics and metric types, create projects and actions, and customize the Metric Studio environment to make it easier to monitor team/organizational performance.

Audience:
- Scorecard consumers

Prerequisites:
- Familiarity with Windows OS, and a web browser

B5143G 🖥

IBM Cognos Mobile Administration

This course teaches administrators the skills to install, configure, and administer IBM Cognos Mobile. Students will learn how to administer the mobile server, apply security, plan a successful implementation, and use best practices in report design.

Audience:
- Administrators

Prerequisites:
- Experience using IBM Cognos Connection
- Experience with a mobile device
- Knowledge of server administration and IBM Cognos architecture

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B5169G 🖥

IBM Cognos Transformer: Create PowerCubes

This course covers how to define a PowerCube and the OLAP cube structure. Students will learn how to create dimensions and levels, build PowerCubes for use in IBM Cognos BI and easily analyze data by creating a simple analysis in IBM Cognos Analysis Studio.

Audience:
- Developers who design OLAP models for use in IBM Cognos BI

Prerequisites:
- None

B5A88G 🖥

IBM Cognos BI for Consumers

This course teaches students how to access reports, create report views, schedule reports and run reports with options. Students will learn how to take action on BI events by creating tasks and notifications, as well as how to generate, view, manage, comment, set alerts on, and create watch rules for events and saved output. Additionally, this course will teach students how to personalize the appearance of IBM Cognos Connection, and how to create dynamic dashboards.

Audience:
- Open

Prerequisites:
- None

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J2262G

IBM Cognos BI: Combined Administration, Architecture and Logging

This course is designed to teach new administrators the fundamental tasks of administering servers and content in IBM Cognos BI. Students will identify components and sub-components of the IBM Cognos BI architecture and learn how to use tools and techniques to provide a foundation to troubleshoot issues.

Audience:
- Administrators

Prerequisites:
- Knowledge of web application server architectures
- Security systems administration
- Familiarity with Windows OS, and a web browser

P8125G

IBM Cognos Analysis for Microsoft Excel - Analyze BI Data

This course introduces students to basic analysis for Microsoft Excel functionality, including how to connect to IBM Cognos data sources within Microsoft Excel and integrate IBM Cognos data into spreadsheets for further analysis, formatting, and layout options.

Audience:
- Analysts and business users

Prerequisites:
- Experience using Microsoft Excel

IBM COGNOS PERFORMANCE MANAGEMENT

AVAILABLE TRAINING FORMATS:

In-Class

Instructor-Led Online

Self-Paced Virtual Classes

Customized

IBM PLANNING ANALYTICS

THE SPEED, AGILITY AND FORESIGHT YOU NEED
TO DRIVE YOUR BUSINESS FORWARD

IBM Planning Analytics (formerly known as Cognos TM1) is a fast, flexible and complete planning and analytics solution for corporate-wide performance management. IBM Planning Analytics speeds decision making by automating essential planning, budgeting and forecasting processes, and allows you to quickly adapt budgets, forecasts and plans to changing business conditions. With guided modeling and compelling visualizations, users can now explore and gain insight from internal and external data and anticipate the future with confidence.

KEY FEATURES

REPORTING & VISUALIZATION

- Creates compelling visualizations automatically
- Self-service dashboards and scorecarding
- Detailed what-if analysis
- Delivers consistent view of KPIs
- Story-Telling capability
- Guided data exploration

DATA MODELING

- Offers guided modeling & data management
- Offers guided application design and deployment
- Integrates multiple data sources
- Multidimensional analysis
- Statistical analysis and predictive capabilities of Watson Analytics

PLANNING ANALYTICS WORKSPACE

- Interactive and customizable workspace
- Full Microsoft Excel functionality
- Instant contextual collaboration
- Supports natural language searching
- Supports multidimensional expressions-based (MDX) queries
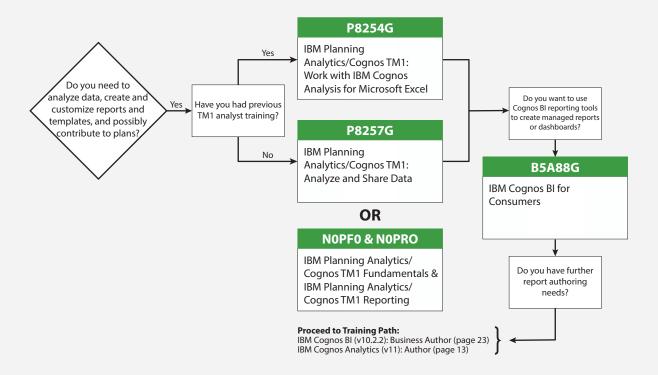
CLOUD & ON-PREMISE

- Ability to run both on cloud and on-premise
- Faster ROI
- Simple licensing structure
- Potential for truly integrated analytics across IBM & third-party clouds
- Improved accessibility that is technology- and device-agnostic
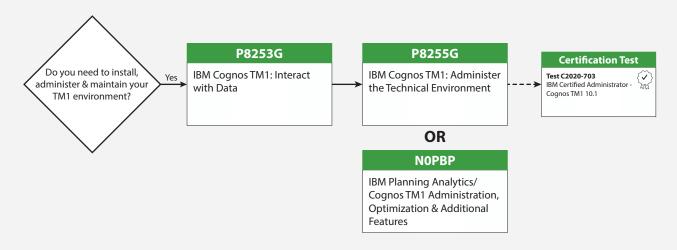
IBM COGNOS TM1/IBM PLANNING ANALYTICS

ANALYST

Build Custom Reports & Analyze Data: As an analyst, you are responsible for creating customized reports and templates, along with analyzing data and contributing to plans. Use this journey to learn the skills necessary to author reports and analyze data.

Do you need to analyze data, create and customize reports and templates, and possibly contribute to plans? → Yes → **Have you had previous TM1 analyst training?**

→ Yes →

P8254G
IBM Planning Analytics/Cognos TM1: Work with IBM Cognos Analysis for Microsoft Excel

→ No →

P8257G
IBM Planning Analytics/Cognos TM1: Analyze and Share Data

OR

N0PF0 & N0PRO
IBM Planning Analytics/Cognos TM1 Fundamentals & IBM Planning Analytics/Cognos TM1 Reporting

Do you want to use Cognos BI reporting tools to create managed reports or dashboards?

B5A88G
IBM Cognos BI for Consumers

Do you have further report authoring needs?

Proceed to Training Path:
IBM Cognos BI (v10.2.2): Business Author (page 23)
IBM Cognos Analytics (v11): Author (page 13)
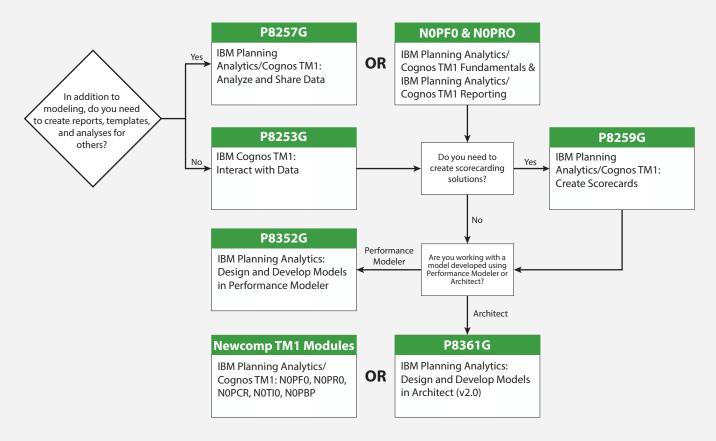
ADMINISTRATOR

Administer the TM1 Platform: As an administrator, you are responsible for overseeing the technical aspects of your IBM Cognos TM1 enterprise software. Use this journey to learn how to install and configure the IBM Cognos TM1 environment, as well as perform various server troubleshooting tasks and log analysis.

Do you need to install, administer & maintain your TM1 environment? → Yes →

P8253G
IBM Cognos TM1: Interact with Data

→

P8255G
IBM Cognos TM1: Administer the Technical Environment

⤍

Certification Test
Test C2020-703
IBM Certified Administrator - Cognos TM1 10.1

OR

N0PBP
IBM Planning Analytics/Cognos TM1 Administration, Optimization & Additional Features

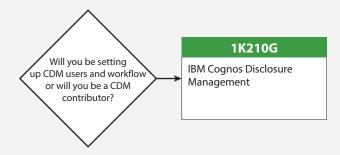newcomp analytics | IBM Platinum Business Partner

MODELER

Develop Models & Analyze Data: As a modeler, you are responsible for designing and developing models, along with creating custom reports, templates and analyzing data. Use this journey to learn different modeling solutions in IBM Planning Analytics/Cognos TM1 platform.

P8257G
IBM Planning Analytics/Cognos TM1: Analyze and Share Data

OR

N0PF0 & N0PR0
IBM Planning Analytics/Cognos TM1 Fundamentals & IBM Planning Analytics/Cognos TM1 Reporting

In addition to modeling, do you need to create reports, templates, and analyses for others?

Yes

No

P8253G
IBM Cognos TM1: Interact with Data

Do you need to create scorecarding solutions?

Yes

P8259G
IBM Planning Analytics/Cognos TM1: Create Scorecards

No

P8352G
IBM Planning Analytics: Design and Develop Models in Performance Modeler

Performance Modeler

Are you working with a model developed using Performance Modeler or Architect?

Architect

Newcomp TM1 Modules
IBM Planning Analytics/Cognos TM1: N0PF0, N0PR0, N0PCR, N0TI0, N0PBP

OR

P8361G
IBM Planning Analytics: Design and Develop Models in Architect (v2.0)

(sidebar) Recommended Training Paths

IBM COGNOS DISCLOSURE MANAGEMENT

ADMINISTRATOR

Administer the IBM Cognos Disclosure Management Platform: As an administrator, you are responsible for overseeing the technical aspects of your IBM CDM platform. Take this course to learn how to install and configure the IBM CDM environment, as well as perform various server troubleshooting tasks and log analysis.

Will you be setting up CDM users and workflow or will you be a CDM contributor?

1K210G
IBM Cognos Disclosure Management

P8255G
IBM Cognos TM1: Administer the Technical Environment (2 days)

This advanced course teaches administrators how to install and administer the IBM Cognos TM1 environment, customize its architecture to fit into various infrastructures, and how to secure TM1 applications and monitor system performance.

Audience:
- Administrators

Prerequisites:
- Basic knowledge of OLAP, IBM Planning Analytics/Cognos TM1, and networking
- P8253G - IBM Planning Analytics/Cognos TM1: Interact with Data (page 42) or equivalent experience *(recommended)*

P8257G
IBM Planning Analytics/Cognos TM1: Analyze and Share Data (3 days)

This course teaches analysts how to use IBM Cognos TM1 to analyze data to uncover trends and exceptions, create and customize reports and templates, and contribute to plans. Students will learn how to create analyses, input data into Microsoft Excel and the web, create custom data views, and build reports and forms in Microsoft Excel that communicate with IBM Cognos TM1.

Audience:
- Analysts

Prerequisites:
- Familiarity with Windows OS, Microsoft Excel, and a web browser

P8259G
IBM Planning Analytics/Cognos TM1: Create Scorecards (1 day)

This course covers how to create scorecarding solutions in IBM Cognos TM1. Students will learn how to create all of the necessary scorecarding objects such as metrics cubes, diagrams, and maps, deploy the solution to the web for end-user consumption, and create an engaging dashboard presentation for the solution.

Audience:
- Developers

Prerequisites:
- Familiarity with Windows OS, and a web browser

P8352G
IBM Planning Analytics: Design and Develop Models in Performance Modeler (5 days)

This course will teach students how to build a model using the Performance Modeler tool. Through a series of lectures and hands-on exercises, students will learn how to create and customize dimensions and cubes, import and link data, and build and maintain applications.

Audience:
- Modelers

Prerequisites:
- Basic knowledge of Online Analytical Processing (OLAP) and IBM Planning Analytics/Cognos TM1
- Significant experience with Microsoft Excel (functions, macros)

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P8361G

IBM Planning Analytics: Design and Develop Models in Architect (5 days)

This course teaches students how to build a complete model in IBM Planning Analytics using the Architect tool. This includes how to set up and verify dimensions, cubes, and views, manually enter data into these structures, and define the data that users can see.

Audience:
- Modelers

Prerequisites:
- Basic knowledge of Online Analytical Processing (OLAP) and IBM Planning Analytics/Cognos TM1
- Significant experience with Microsoft Excel (functions, macros)

N0PF0

IBM Planning Analytics/Cognos TM1 Fundamentals (1 day)

This course introduces students to objects, concepts and techniques essential to building and maintaining IBM Cognos TM1 models. Students will build multiple dimensions and cubes both manually and programmatically (sourcing from a variety of data), and practice creating cube views and subsets. This course will also introduce cube rules, Slices, and Active Forms.

Audience:
- New users of IBM Planning Analytics/Cognos TM1

Prerequisites:
- None

N0PR0

IBM Planning Analytics/Cognos TM1 Reporting (1 day)

This course introduces a number of IBM Cognos TM1's client interfaces: Architect, Perspectives, and TM1 Web. Students will extract data from TM1 cubes using a variety of tools and build input templates and reports using the most common techniques; Snapshot, Slices and, Active Forms.

Audience:
- Developers and power users who are responsible for creating reports and building input templates

Prerequisites:
- None

N0PCR

IBM Planning Analytics/Cognos TM1 Cube Rules (1 day)

This course introduces students to the fundamentals of writing IBM Cognos TM1 cube rules, including a run-through of both intra and inter-cube rules along with C-level and String rules. This course will also introduce Skipcheck, Feeders, and TM1 Picklists.

Audience:
- Developers and power users

Prerequisites:
- None

IBM Cognos Performance Management Courses

N0TI0

IBM Planning Analytics/Cognos TM1 Turbo Integrator (1 day)

This course introduces IBM Cognos TM1's ETL tool: Turbo Integrator. Students will practice performing common maintenance, and import/export tasks in the TM1 environment. Students will build a planning model from scratch using a variety of data sources, and create processes to perform common maintenance tasks such as creating subsets and updating reporting cubes.

Audience:
- Users building dimensions and loading cubes from external sources or involved in requirements gathering/design for a TM1 project

Prerequisites:
- None

N0PBP

IBM Planning Analytics/Cognos TM1 Administration, Optimization & Additional Features (1 day)

This course covers the administration side of IBM Cognos TM1 along with design principles & configuration for efficient models. Students will learn how to access TM1's logs and configuration files, monitoring, as well as ending threads on the TM1 server. This course will also introduce TM1 object security, and outline best practices for designing and developing a TM1 model.

Audience:
- Developers and administrators

Prerequisites:
- None

N0PAD

IBM Planning Analytics: Building Dashboards in Workspace (1 day)

This course introduces Planning Analytics Workspace; TM1's latest web-based end user tool. Students will learn how to build dashboards that combine traditional TM1 Excel slices, cube views, individual cube cells, dimensions, and Visualizations as widgets in an interactive canvas. This course will also cover searching for content, navigating through the workspace using buttons, interacting with cube views (drilling, pivoting, filtering, data input) and applying formatting with palettes and templates.

Audience:
- Users responsible for ad-hoc analysis or developing dashboards for others using the Planning Analytics environment

Prerequisites:
- N0PF0 - IBM Planning Analytics/Cognos TM1 Fundamentals (page 39) or familiarity with basic TM1 functionality

N0PAX

IBM Planning Analytics for Microsoft Excel (PAx) (1 day)

This course introduces PAx; IBM Cognos TM1's latest Excel-based tool and the successor to the TM1 Perspectives add-in. Students will learn how to extract and input data both to and from TM1 cubes in Excel through multi-sheet, multi-query PAx spreadsheets. This one day module will cover the creation of Exploration Views, Quick Reports, Dynamic Reports, Custom Reports and Snapshots.

Audience:
- Users interested in leveraging TM1 data in the Microsoft Excel environment and/or current TM1 Perspectives users

Prerequisites:
- N0PF0 - IBM Planning Analytics/Cognos TM1 Fundamentals (page 39) or equivalent experience, and familiarity with basic Microsoft Excel functionality

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1K210G

IBM Cognos Disclosure Management (CDM) (3 days)

This course teaches students how to create, manage, and administer internal/external reports and workflows. Students will learn about report creation, CDM application configuration, dashboards, views, and the yearly rollover.

Audience:
- Professionals responsible for critical internal/external narrative or disclosure reporting

Prerequisites:
- Strong understanding of financial accounting concepts
- Familiarity with Windows OS, Microsoft Office, and a web browser

IBM Cognos Performance Management Courses

SELF-PACED VIRTUAL CLASSES

P8253G 🖥

IBM Cognos TM1: Interact with Data

This course teaches contributors how to connect and access IBM Cognos TM1, build views, browse data, and navigate through TM1's user interface. Also included is an overview of how to use the front-end tools and Excel with multidimensional cubes, as well as an introduction to IBM Cognos Insight.

Audience:
- Contributors

Prerequisites:
- Familiarity with Windows OS, Microsoft Excel, and a web browser

P8254G 🖥

IBM Cognos TM1: Work with IBM Cognos Analysis for Microsoft Excel

This course is designed to show existing TM1 end-users how to work with TM1 data in Microsoft Excel using the new TM1 v10.2 client: IBM Cognos Analysis for Microsoft Excel.

Audience:
- Existing IBM Cognos TM1 end-users

Prerequisites:
- Familiarity with Windows OS, Microsoft Excel, and a web browser

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IBM INFORMATION MANAGEMENT

AVAILABLE TRAINING FORMATS:

In-Class
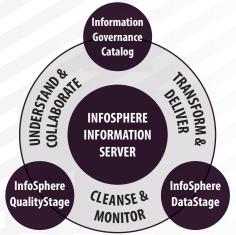
Instructor-Led Online

Self-Paced Virtual Classes

Customized

IBM INFORMATION MANAGEMENT

THE FLEXIBILITY YOU NEED TO INTEGRATE, CLEAN AND MANAGE YOUR DATA

IBM's Information Management solution is powered by InfoSphere Information Server - a highly scalable and powerful data integration platform which includes a family of products that enables users to understand, cleanse, monitor, transform and deliver data. IBM's InfoSphere Information Server has the flexibly to meet unique information integration requirements including data integration, data quality and data governance.

KEY PRODUCTS

INFOSPHERE INFORMATION SERVER

• Highly scalable & powerful data integration platform
• Near real- time integration of all types of data
• Define a common business language for your data
• Improve integration with related products
• Deployable both on-premises or in the cloud

INFORMATION GOVERNANCE CATALOG

• Establish a common business language
• Manage and explore data lineage to create trusted information
• Support data governance and compliance efforts
• Provide a solid foundation for different types of information integration and governance projects

INFOSPHERE DATASTAGE

• Collect, integrate and transform large volumes of data
• Directly access big data & Hadoop
• Near real-time data integration and connectivity
• Optimize hardware utilization and prioritize mission-critical tasks
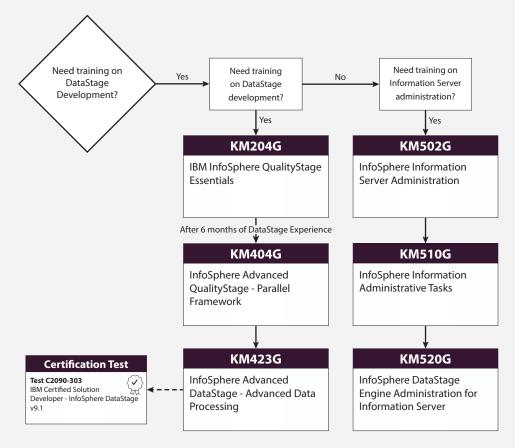
INFOSPHERE QUALITYSTAGE

• Data profiling, standardization, probabilistic matching and data enrichment
• Create and maintain consistent views of key entities
• Validate and monitor data in motion
• Graphical user interface for specifying automated data quality processes

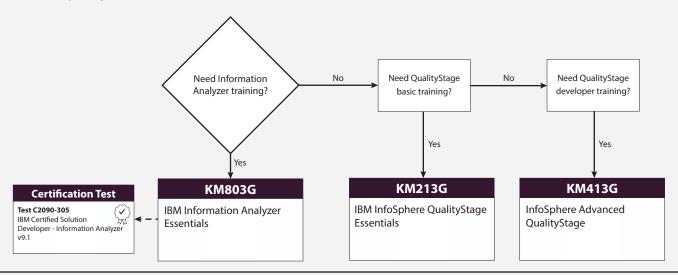newcomp analytics | IBM Platinum Business Partner

DATA INTEGRATION ARCHITECT

Integrate Data: As a data integration architect, you are responsible for data modeling, and application of best practices when designing data management solutions. Use this journey to build your skills on how to transform structured and unstructured data and deliver it to any system in traditional scalable data warehouse or big data platform.

```
┌─────────────────────┐                ┌──────────────────┐              ┌──────────────────┐
│  Need training on   │     Yes        │  Need training   │     No       │ Need training on │
│     DataStage       │ ──────────────▶│  on DataStage    │ ────────────▶│Information Server│
│   Development?      │                │  development?    │              │ administration?  │
└─────────────────────┘                └──────────────────┘              └──────────────────┘
                                              │ Yes                             │ Yes
                                              ▼                                 ▼
```

KM204G	KM502G
IBM InfoSphere QualityStage Essentials	InfoSphere Information Server Administration

After 6 months of DataStage Experience

KM404G	KM510G
InfoSphere Advanced QualityStage - Parallel Framework	InfoSphere Information Administrative Tasks

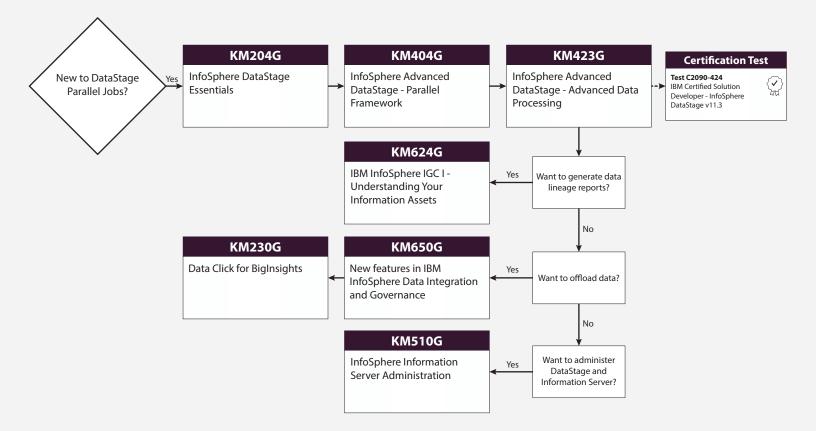| **Certification Test**	KM423G	KM520G
Test C2090-303 IBM Certified Solution Developer - InfoSphere DataStage v9.1	InfoSphere Advanced DataStage - Advanced Data Processing	InfoSphere DataStage Engine Administration for Information Server

DATA QUALITY ARCHITECT

Measure, Analyze, and Improve Data Quality: As a data quality architect, you are responsible for establishing quality metrics, along with designing data quality rules. Use this journey to build your skills on controlling and managing data quality with the IBM Infosphere platform.

```
┌─────────────────────┐           ┌──────────────────┐          ┌──────────────────┐
│  Need Information   │    No      │ Need QualityStage│    No    │ Need QualityStage│
│  Analyzer training? │ ──────────▶│  basic training? │ ────────▶│developer training?│
└─────────────────────┘           └──────────────────┘          └──────────────────┘
         │ Yes                            │ Yes                          │ Yes
         ▼                                ▼                              ▼
```

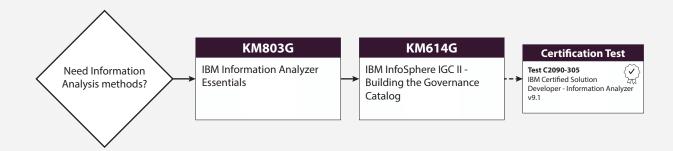| **Certification Test**	KM803G	KM213G	KM413G
Test C2090-305 IBM Certified Solution Developer - Information Analyzer v9.1	IBM Information Analyzer Essentials	IBM InfoSphere QualityStage Essentials	InfoSphere Advanced QualityStage

DATA INTEGRATION DEVELOPER

Deliver Data Integrations: As a data integration developer, you are responsible for building data, database monitoring, data conversion, modeling and analysis. Use this journey to build your skills on how to transform structured and unstructured data and deliver it to any system on a scalable data warehouse or scalable big data platform.
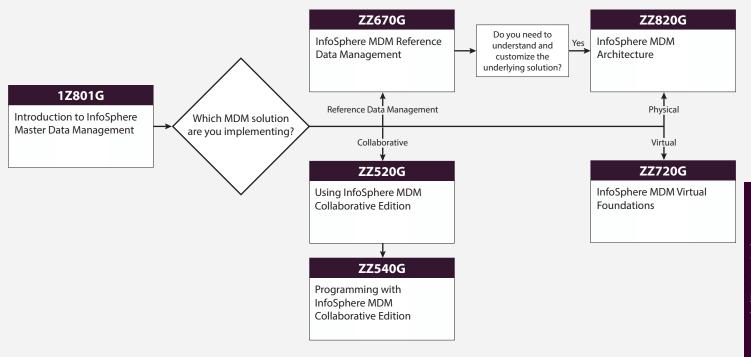
New to DataStage Parallel Jobs? — Yes →

KM204G
InfoSphere DataStage Essentials

KM404G
InfoSphere Advanced DataStage - Parallel Framework

KM423G
InfoSphere Advanced DataStage - Advanced Data Processing

Certification Test
Test C2090-424
IBM Certified Solution Developer - InfoSphere DataStage v11.3

KM624G
IBM InfoSphere IGC I - Understanding Your Information Assets

Yes ← Want to generate data lineage reports?

No ↓

KM230G
Data Click for BigInsights

KM650G
New features in IBM InfoSphere Data Integration and Governance

Yes ← Want to offload data?

No ↓

KM510G
InfoSphere Information Server Administration

Yes ← Want to administer DataStage and Information Server?

BUSINESS ANALYST/DATA STEWARD

Govern Data: As an analyst/data steward, you are responsible for providing business users with high quality data. Use this journey to learn data quality tools to help provide business users with easily accessible and consistent business glossary data.

Need Information Analysis methods? →

KM803G
IBM Information Analyzer Essentials

KM614G
IBM InfoSphere IGC II - Building the Governance Catalog

Certification Test
Test C2090-305
IBM Certified Solution Developer - Information Analyzer v9.1

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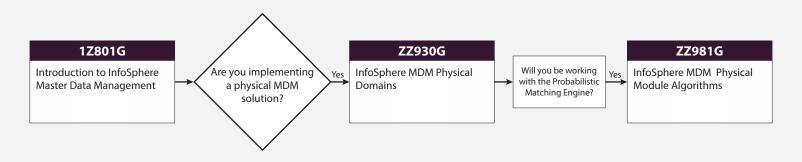
INFOSPHERE MDM ARCHITECT

Implement Solutions: As an InfoSphere Master Data Management architect, you are responsible for implementing MDM within your enterprise. Use this journey to build your skills on the various components of MDM Architecture and how to set up the infrastructure to fit your organization's business requirements.
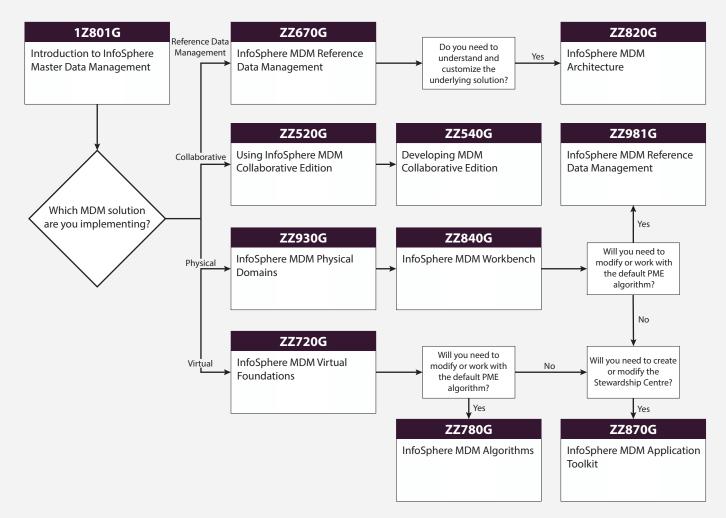
1Z801G
Introduction to InfoSphere Master Data Management

Which MDM solution are you implementing?

Reference Data Management

ZZ670G
InfoSphere MDM Reference Data Management

Do you need to understand and customize the underlying solution? — Yes →

ZZ820G
InfoSphere MDM Architecture

Physical

Collaborative

ZZ520G
Using InfoSphere MDM Collaborative Edition

ZZ540G
Programming with InfoSphere MDM Collaborative Edition

Virtual

ZZ720G
InfoSphere MDM Virtual Foundations

INFOSPHERE MDM BUSINESS SPECIALIST

Implement Customization: As an InfoSphere MDM business specialist implementing physical solutions, you are responsible for working with and customizing algorithm configurations deployed to the InfoSphere MDM Probabilistic Matching Engine. Use this journey to build your skills in performing matching, linking, and searching fields. If you are implementing virtual, collaborative, or reference data management solutions, please refer to the Data Steward training path.

1Z801G
Introduction to InfoSphere Master Data Management

Are you implementing a physical MDM solution? — Yes →

ZZ930G
InfoSphere MDM Physical Domains

Will you be working with the Probabilistic Matching Engine? — Yes →

ZZ981G
InfoSphere MDM Physical Module Algorithms
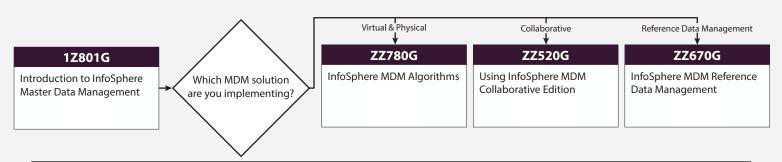
INFOSPHERE MDM TECHNICAL SPECIALIST

As an InfoSphere MDM technical specialist, you are responsible for all aspects of development within the InfoSphere MDM family of products. Use this journey to get in-depth training for all components of this comprehensive IBM MDM product line.
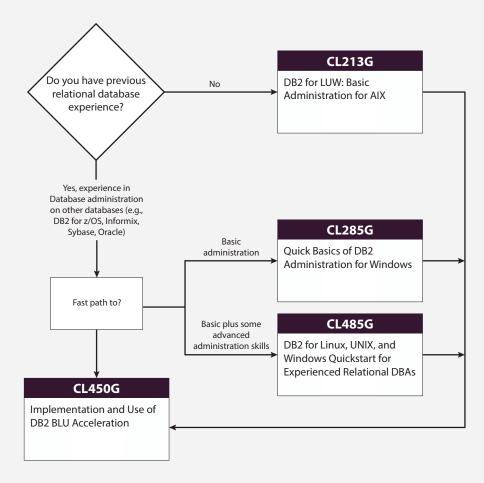
1Z801G
Introduction to InfoSphere Master Data Management

Which MDM solution are you implementing?

Reference Data Management

ZZ670G
InfoSphere MDM Reference Data Management

Do you need to understand and customize the underlying solution? — Yes →

ZZ820G
InfoSphere MDM Architecture

Collaborative

ZZ520G
Using InfoSphere MDM Collaborative Edition

ZZ540G
Developing MDM Collaborative Edition

ZZ981G
InfoSphere MDM Reference Data Management

Physical

ZZ930G
InfoSphere MDM Physical Domains

ZZ840G
InfoSphere MDM Workbench

Will you need to modify or work with the default PME algorithm? — Yes / No

Virtual

ZZ720G
InfoSphere MDM Virtual Foundations

Will you need to modify or work with the default PME algorithm? — No → *Will you need to create or modify the Stewardship Centre?* — Yes

Yes →

ZZ780G
InfoSphere MDM Algorithms

ZZ870G
InfoSphere MDM Application Toolkit

INFOSPHERE MDM DATA STEWARD

Govern Data: As an InfoSphere MDM data steward, you are responsible for providing business users with high quality data. Use this journey to learn data quality tools to help provide business users with easily accessible and consistent business glossary data.

1Z801G
Introduction to InfoSphere Master Data Management

Which MDM solution are you implementing?

Virtual & Physical

ZZ780G
InfoSphere MDM Algorithms

Collaborative

ZZ520G
Using InfoSphere MDM Collaborative Edition

Reference Data Management

ZZ670G
InfoSphere MDM Reference Data Management

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DATABASE ADMINISTRATION DB2 BLU ACCELERATION

Update your DB2 administrative skills to the latest version and features of the DB2 platform, including the latest DB2 BLU Acceleration technology.

```
                                                          ┌──────────────────────────┐
                                                          │         CL213G           │
                                     No                   ├──────────────────────────┤
   ◇ Do you have previous ─────────────────────────────→ │ DB2 for LUW: Basic       │
     relational database                                 │ Administration for AIX   │
        experience? ◇                                     └──────────────────────────┘
            │
            │ Yes, experience in
            │ Database administration
            │ on other databases (e.g.,
            │ DB2 for z/OS, Informix,
            │ Sybase, Oracle)
            ↓                          Basic              ┌──────────────────────────┐
                                    administration        │         CL285G           │
   ┌──────────────┐ ──────────────────────────────────→  ├──────────────────────────┤
   │ Fast path to? │                                      │ Quick Basics of DB2      │
   └──────────────┘                                       │ Administration for Windows│
            │              Basic plus some                └──────────────────────────┘
            │                 advanced              ┌──────────────────────────┐
            │         administration skills         │         CL485G           │
            │      ──────────────────────────────→  ├──────────────────────────┤
            │                                        │ DB2 for Linux, UNIX, and │
            ↓                                        │ Windows Quickstart for   │
   ┌──────────────────────────┐                      │ Experienced Relational DBAs│
   │         CL450G           │                      └──────────────────────────┘
   ├──────────────────────────┤
   │ Implementation and Use of │ ←─────────────────────────────────────
   │ DB2 BLU Acceleration     │
   └──────────────────────────┘
```

Recommended Training Paths

CL213G
DB2 for LUW: Basic Administration for AIX (4 days)

This course teaches basic database administrative tasks using DB2 10.1 for Linux, UNIX, and Windows. These tasks include creating and populating databases and implementing a logical design to support recovery requirements. The access strategies selected by the DB2 Optimizer will be examined using the DB2 Explain tools.

Audience:
- System administrators, database administrators, and technical personnel

Prerequisites:
- Knowledge of basic OS functions such as utilities, file permissions, commands etc.
- Knowledge of SQL and the ability to construct DDL, DML, and authorization statements
- Knowledge of basic relational database concepts and objects such as tables, indexes, views, and join

CL285G
Quick Basics of DB2 Administration for Windows (2 days)

This course teaches basic database administrative tasks using DB2 10.5 for Linux, UNIX, and Windows. These tasks include creating database objects like table, indexes and views and loading data into the database with DB2 utilities like LOAD and INGEST. Students will learn how to implement automatic archival for database logs and how to recover a database to a specific point in time using the archived logs.

Audience:
- DBAs and technical individuals

Prerequisites:
- Knowledge of basic OS functions such as utilities, file permissions, commands etc.
- Knowledge of SQL and the ability to construct DDL, DML, and authorization statements
- Knowledge of basic relational database concepts and objects such as tables, indexes, views, and join

CL450G
Implementation and Use of DB2 BLU Acceleration (1 day)

This course covers the implementation of DB2 BLU Acceleration and column-organized table support, for a new or existing DB2 database. Students will learn to describe how the column dictionaries used for DB2 BLU Acceleration are built and utilized to provide extreme compression for column-organized tables.

Audience:
- DB2 LUW experienced database administrators

Prerequisites:
- CL213G - DB2 for LUW: Basic Administration for AIX (page 50) or equivalent experience
- CL485G - DB2 for Linux, UNIX, and Windows Quickstart for Experienced Relational DBAs (page 50) or equivalent experience

CL485G
DB2 for Linux, UNIX, and Windows Quickstart for Experienced Relational DBAs (4 days)

This course teaches basic and advanced, database administrative tasks using DB2 10.5 for Linux, UNIX, and Windows. Students will learn how to implement automatic archival for database logs and how to plan a redirected database restore to relocate either selected table spaces or an entire database.

Audience:
- Experienced DBAs and technical individuals

Prerequisites:
- Knowledge of basic OS functions, SQL and the ability to construct DDL, DML, and authorization statements
- Knowledge of basic relational database concepts and objects such as tables, indexes, views, and join

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KM204G
IBM InfoSphere DataStage Essentials (4 days)

This beginner course teaches ETL developers and project administrators how to develop parallel jobs in IBM InfoSphere DataStage. This course focuses on developers, and discusses only administration functions relevant to developers. Students will learn how to create parallel jobs that access sequential and relational data, and combine and transform the data using functions and other job components.

Audience
- ETL developers and project administrators

Prerequisites:
- Familiarity with Windows OS, and familiarity with database access techniques

KM213G
IBM InfoSphere QualityStage Essentials (4 days)

This course teaches how to build QualityStage parallel jobs that investigate, standardize, match, and consolidate data records. Students will gain experience by building an application that combines customer data from three source systems into a single master customer record.

Audience:
- Data analysts responsible for data quality using QualityStage, data quality architects, and data cleansing developers

Prerequisites:
- Familiarity with Windows OS, and a text editor

KM230G
Data Click v10 for BigInsights (1 day)

This course covers Data Click functionality, including how to create and configure offload activities using Data Click Administrator, how to run these offload requests to move data into Hadoop, how Data Click works in conjunction with other components that come with Data Click to provide a complete end-to-end solution. Metadata Asset Manager is used to import the metadata for offload sources and targets into the metadata repository. The Information Governance Catalog is used to browse, query, and understand the data available for offloading. The Information Server Operations Console is used to monitor offload jobs after they are initiated.

Audience:
- Data scientists

Prerequisites:
- Familiarity with Hadoop, BigInsights, and/or DataStage would be helpful

KM404G
IBM InfoSphere Advanced DataStage: Parallel Framework (3 days)

This course introduces students to advanced parallel job development techniques in IBM InfoSphere DataStage. Students will develop a deeper understanding of its architecture, including IBM InfoSphere DataStage development and runtime environments. This will enable students to design robust, reusable parallel jobs that are optimized for performance.

Audience:
- Project administrators and ETL developers

Prerequisites:
- KM204G - IBM InfoSphere DataStage Essentials (page 51) or equivalent experience
- Minimum 1-year experience developing parallel jobs using IBM InfoSphere DataStage

IBM Information Management Courses

KM413G

IBM InfoSphere Advanced QualityStage (4 days)

This course introduces students to the QualityStage data cleansing process, including how to prepare an unstructured data source for loading into an existing data target, cleansing and standardizing the source data by building a customer rule set, as well as how to build a reference match to relate the cleansed source data to the existing target data.

Audience:
- Programmers, data analysts, data quality architects, data cleansing developers, and data quality developers

Prerequisites:
- KM213G - IBM InfoSphere QualityStage Essentials (page 51) or equivalent experience
- Familiarity with Windows OS, and a text editor
- Basic statistics knowledge would be helpful

KM423G

IBM InfoSphere Advanced DataStage: Advanced Data Processing (2 days)

This course introduces students to advanced parallel job data processing techniques in IBM InfoSphere DataStage. This includes developing data techniques for processing complex data resources including relational data, unstructured data (Excel spreadsheets), and XML data. Additionally, students will learn advanced data processing techniques, such as data masking and data validation using data rules, as well as techniques for updating data in a star schema data warehouse using the DataStage Slowly Changing Dimension stage.

Audience:
- Experienced InfoSphere DataStage developers

Prerequisites:
- KM404G - IBM Infosphere Advanced DataStage: Parallel Framework (page 51) or equivalent experience

KM510G

IBM InfoSphere Information Server Administrative Tasks (1 day)

This course provides an overview of key administration features available in Information Server and its suite of products and components, with a focus on developing basic administrative skills such as user management, session management, and reporting management tasks. This course also covers the use of command line tools such as istool and encrypt.

Audience:
- Those administering Information Server and its product components

Prerequisites:
- None

KM520G

IBM InfoSphere DataStage Engine Administration for Information Server (1 day)

This course teaches students how to configure, manage, and monitor the InfoSphere DataStage Engine. Students will be introduced to the DataStage project configuration, the Engine's development and runtime environments, and its data source connectivity. In addition, students will learn how to import and export DataStage objects, how to run and monitor DataStage jobs through the command line and GUI, and how to use some important Engine utilities.

Audience:
- Information Server and InfoSphere DataStage administrators

Prerequisites:
- KM510G - IBM InfoSphere Information Server Administrative Tasks (page 52) or equivalent experience

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KM614G

IBM InfoSphere Information Governance Catalog: Building the Governance Catalog (1 day)

This beginner course teaches students how to use the Information Governance Catalog to govern information assets by developing a governance catalog of categories and terms. This catalog documents information assets, governance policies, and rules that implement the high-level strategy and objectives of a governance program.

Audience:
- Information Governance Catalog users

Prerequisites:
- Familiarity with Windows OS and Information Server products *(recommended)*

KM624G

IBM InfoSphere Information Governance Catalog: Understanding Your Information Assets (1 day)

Students will learn the skills necessary to capture and analyze metadata stored within the Information Server repository using the Information Governance Catalog.

Audience:
- Information Governance Catalog users

Prerequisites:
- Familiarity with Windows OS and Information Server products *(recommended)*

KM650G

New Features in IBM InfoSphere Data Integration and Governance (1 day)

Students will be introduced to new data integration and governance features in IBM InfoSphere Information Server and IBM InfoSphere MDM. Each unit in the course covers a separate product or component of IBM InfoSphere Information Server and IBM InfoSphere MDM.

Audience:
- Experienced users and developers

Prerequisites:
- Familiarity with earlier versions of IBM InfoSphere Information Server or IBM InfoSphere MDM

KM803G

IBM Information Analyzer Essentials (4 days)

This course teaches data analysts how to use the IBM InfoSphere suite to analyze data and report results. Additionally, the information discovered during analysis will be used to construct data rules. Students will explore techniques for delivering data analysis results to ETL developers and demonstrate how to develop more meaningful metadata to reflect data discovery results.

Audience:
- Data analysts and/or data quality analysts

Prerequisites:
- Familiarity with Open Database Connectivity (ODBC) and relational database access techniques
- Data modeling experience would be helpful

IBM Information Management Courses

ZZ520G

Using InfoSphere MDM Collaborative Edition (3 days)

This course is designed to provide not only the essentials of understanding Master Data Management (MDM) and Product Information Management (PIM) concepts but also cover a breadth of InfoSphere MDM Collaborative Edition feature functions. Students will explore how to use the newly designed web interface to easily create data objects, items, categories, and other artifacts that will create the master data solution.

Audience:
- Business analysts, developers, implementation consultants, support engineers, technical sales and marketing individuals, sales and marketing individuals, project managers, and system administrators

Prerequisites:
- None

ZZ540G

Programming with InfoSphere MDM Collaborative Edition (4 days)

This course teaches students how to setup their environment and begin programming with MDM CE. Using IBM's Implementation Methodology Approach (use cases), students will have first-hand experience building a solution that incorporates the functionality of the MDM CE product, along with best practices for programming with MDM CE.

Audience:
- Developers, solution architects, technical architects, and technical specialists

Prerequisites:
- ZZ520G - Using InfoSphere MDM Collaborative Edition (page 54) *(recommended)*
- Familiarity with eclipse based Integrated Development Environment
- 2-3 years of Java programming experience

ZZ610G

Data Model and Service Mapping for InfoSphere MDM Advanced Edition (3 days)

This course introduces Data Domains for InfoSphere Master Data Management 10 Advanced Edition. Students will take a comprehensive look at the three core data domains of InfoSphere MDM: Party, Account, and Product. For each of the domains spanned by InfoSphere MDM, students will be exposed to the data model, services, and rules associated with the main entities of that domain.

Audience:
- Infrastructure specialists, technical specialists, product consultants, support engineers, sales and marketing personnel, project managers, and system architects

Prerequisites:
- Students should have a high-level understanding of MDM Server or WebSphere Customer Center

ZZ670G

InfoSphere MDM Reference Data Management (2 days)

This course prepares students to implement the InfoSphere Reference Data Management solution, and understand how the solution will work within their organization. Students will install and use the InfoSphere Reference Data Management Hub and Console to manage data sets, data types, mappings, hierarchies and subscriptions. For each core area, the instructor will explain the high-level concepts and have the students work with the feature in the lab exercises.

Audience:
- Technical specialists, support engineers, and system architects

Prerequisites:
- None

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ZZ720G

InfoSphere MDM Virtual Foundation (3 days)

This course introduces the major components of the InfoSphere MDM Virtual module, the data model, the matching engine and how customization can be implemented. Students will learn how to invoke the InfoSphere MDM interactions, and the various configuration and extension points of a service. This course has a heavy emphasis on exercises where students will deploy a new MDM configuration, invoke interactions, walk through the default matching algorithm, and create a custom handler and composite view.

Audience:
- Technical specialists who will be developing a solution using the InfoSphere MDM Virtual Module

Prerequisites:
- None

ZZ780G

InfoSphere MDM Algorithms (2 days)

This course prepares students to work with and customize the algorithm configurations deployed to the InfoSphere MDM Probabilistic Matching Engine (PME) for Virtual and Physical MDM implementations. The PME is the heart of all Matching, Linking, and Searching for entities (Person, Organization, etc) that exist in InfoSphere MDM. This course has a heavy emphasis on exercises, where students will implement the customization discussed in the course to perform matching, linking, and searching on fields not provided by the default implementation.

Audience:
- Business and technical specialists working with the Matching, Linking, and Search services of InfoSphere MDM

Prerequisites:
- Experience with InfoSphere MDM *(recommended)*

ZZ820G

InfoSphere MDM Architecture (2 days)

This course introduces the major components of the InfoSphere MDM Architecture and how each component interacts. Students will learn how InfoSphere MDM responds once a service is invoked and the various configuration and extension points of a service. This course prepares students to identify how MDM will fit into their organization and what pieces may be customized to fit their business requirements.

Audience:
- Infrastructure specialists, technical specialists, support engineers, and system architects

Prerequisites:
- Working knowledge of Java EE architecture *(recommended)*

ZZ840G

InfoSphere MDM Workbench (3 days)

This course takes students through the process of customizing both the Virtual and Physical MDM using the InfoSphere MDM Workbench. The course will focus on the core features of the Workbench: Creating a Physical MDM Addition, creating a Physical MDM Extension, creating a Physical MDM Behavior Extension, creating a composite service, deploying a Virtual MDM configuration, configuring the Virtual Data Model, creating a Virtual Custom Composite View, creating a Virtual Callout Handler, generating an enterprise service interface using the Virtual data model and customizing a Hybrid implementation.

Audience:
- Infrastructure specialists, technical specialists, support engineers, and system architects

Prerequisites:
- Working knowledge of Java EE architecture and XML concepts
- ZZ610G - Data Model and Service Mapping for InfoSphere MDM Advanced Edition (page 54)

IBM Information Management Courses

ZZ870G

InfoSphere MDM Application Toolkit (2 days)

This course introduces students to the Business Process Manager (BPM) and the Process Designer to create processes that will use MDM data and services. This course has a heavy emphasis on exercises and takes students through creating a process to search and update a customer's address.

Audience:
- Individuals that will be using the InfoSphere MDM Application Toolkit to build processes that involve the Physical or Virtual MDM

Prerequisites:
- 1Z801G - Introduction to InfoSphere Master Data Management (page 57) *(recommended)*

ZZ930G

InfoSphere MDM Physical Domains (3 days)

This course introduces Data Domains for the InfoSphere Master Data Management Physical Module. This course takes a comprehensive look at the three core data domains of InfoSphere MDM: Party, Account, and Product. For each of the domains spanned by InfoSphere MDM, students will be exposed to the data model, services, and rules associated with the main entities of that domain.

Audience:
- Individuals looking to get an understanding of the Data Domains for the InfoSphere Master Data Management Physical Module

Prerequisites:
- 1Z801G - Introduction to InfoSphere Master Data Management (page 59) or equivalent experience *(recommended)*
- A high-level understanding of XML and the ability to make simple modifications to XML documents
- Knowledge of basic relational database concepts and objects such as tables

ZZ981G

InfoSphere MDM Physical Module Algorithms (3 days)

This course prepares students to work with and customize the algorithm configurations deployed to the InfoSphere MDM Probabilistic Matching Engine (PME) for the
Physical MDM implementation.

Audience:
- Business and technical specialists working with the Suspect Duplicate Processing and Search services of InfoSphere MDM.

Prerequisites:
- 1Z801G - Introduction to InfoSphere Master Data Management (page 57)
- ZZ780G - InfoSphere MDM Algorithms (page 55)

SELF-PACED VIRTUAL CLASSES

1Z801G 🖵

Introduction to InfoSphere Master Data Management

This course is designed to teach students the basics of Master Data Management and IBM InfoSphere solutions. Students will gain an understanding of what Master Data Management is and IBM's InfoSphere MDM offerings: Standard, Advanced, and Collaborative Editions.

Audience:
- Open

Prerequisites:
- None

IBM Information Management Courses

IBM ADVANCED ANALYTICS

AVAILABLE TRAINING FORMATS:

In-Class

Instructor-Led Online

Self-Paced Virtual Classes

Customized

IBM SPSS
PREDICTIVE ANALYTICS

OPEN THE DOOR TO DEEPER, MORE MEANINGFUL INSIGHTS WITH PREDICTIVE ANALYTICS

IBM SPSS Predictive Analytics provides organizations with the ability to discover patterns and trends in structured and unstructured data to consistently make better decisions. IBM SPSS Predictive Analytics is a platform that brings together advanced analytical capabilities spanning ad-hoc statistical analysis, predictive modeling, data mining, text analytics, entity analytics, optimization, real-time scoring and machine learning. Business, government, healthcare, academic and non-profit organizations can use predictive insights to find new opportunities, reduce risks and increase revenue.

KEY PRODUCTS

IBM SPSS MODELER

• Self-organizing, bottom-up approach to data analysis
• Build accurate predictive models quickly
• Use a single run to test multiple modeling methods, compare results and select which model to deploy
• Uncover valuable insights quickly from large data sets
• Automated modeling with an intuitive interface
• Geospatial analytics for better predictive accuracy
• Support for open source techniques such as R, Python, Spark, Hadoop
• Text analytics for structured and unstructured data
• Deployable both on-premises or in the cloud
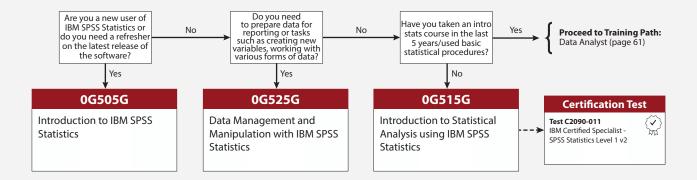
IBM SPSS STATISTICS

• User-driven, top-down approach to data analysis
• Address the entire analytical process, from planning to data collection to analysis, reporting and deployment
• Increases analytical power for advanced users
• Gain understanding and insights from datasets in any format
• Flexibility through external programming languages such as R, Python, Java and more
• Easily communicate results through reports, visualizations and geographic spatial analysis
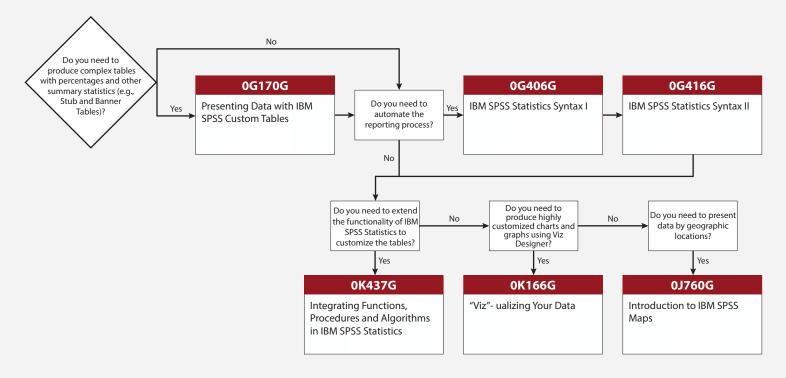
IBM SPSS STATISTICS

NEW USER

Learn IBM SPSS Statistics: As a new user, use this journey to learn how to prepare data and use various statistical analysis methods.
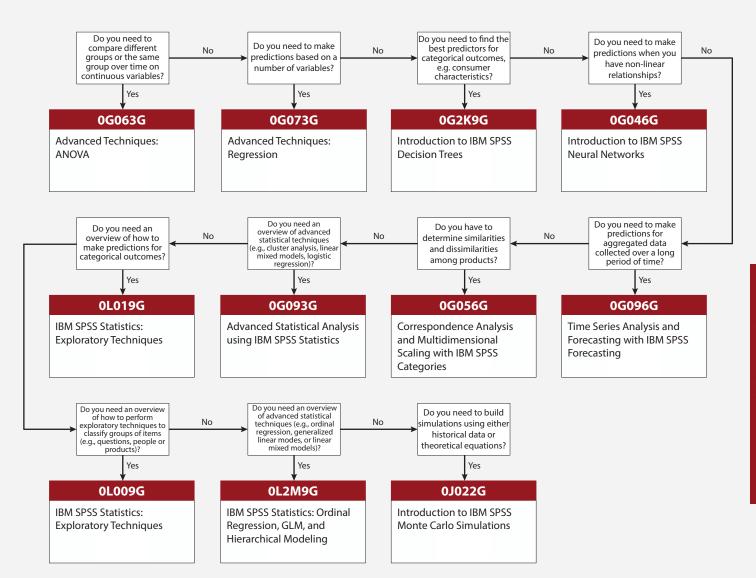
Are you a new user of IBM SPSS Statistics or do you need a refresher on the latest release of the software? — **No** → Do you need to prepare data for reporting or tasks such as creating new variables, working with various forms of data? — **No** → Have you taken an intro stats course in the last 5 years/used basic statistical procedures? — **Yes** → **Proceed to Training Path:** Data Analyst (page 61)

Yes (from first box) → **0G505G** — Introduction to IBM SPSS Statistics

Yes (from second box) → **0G525G** — Data Management and Manipulation with IBM SPSS Statistics

No (from third box) → **0G515G** — Introduction to Statistical Analysis using IBM SPSS Statistics

Certification Test
Test C2090-011
IBM Certified Specialist - SPSS Statistics Level 1 v2

REPORTING

Create Custom Reports: As a report writer, you are responsible for presenting data in complex tables, graphs and other visualizations. Use this journey to expand your knowledge of SPSS Statistics and to automate the reporting process.

Do you need to produce complex tables with percentages and other summary statistics (e.g., Stub and Banner Tables)? — **No** → Do you need to automate the reporting process? — **Yes** → **0G406G** IBM SPSS Statistics Syntax I → **0G416G** IBM SPSS Statistics Syntax II

Yes → **0G170G** Presenting Data with IBM SPSS Custom Tables → Do you need to automate the reporting process?

No (from automate box) → Do you need to extend the functionality of IBM SPSS Statistics to customize the tables? — **No** → Do you need to produce highly customized charts and graphs using Viz Designer? — **No** → Do you need to present data by geographic locations?

Yes → **0K437G** Integrating Functions, Procedures and Algorithms in IBM SPSS Statistics

Yes → **0K166G** "Viz"- ualizing Your Data

Yes → **0J760G** Introduction to IBM SPSS Maps

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IBM SPSS STATISTICS

DATA ANALYST

Analyze Data: As an analyst, you are responsible for using multiple techniques for analyzing and categorizing data. Use this journey to learn IBMS SPPS Statistic's advanced techniques such as ANOVA, regression, decision trees, neural networking, forecasting and more.

Do you need to compare different groups or the same group over time on continuous variables? —No→ Do you need to make predictions based on a number of variables? —No→ Do you need to find the best predictors for categorical outcomes, e.g. consumer characteristics? —No→ Do you need to make predictions when you have non-linear relationships? —No→

0G063G
Advanced Techniques: ANOVA
(Yes)

0G073G
Advanced Techniques: Regression
(Yes)

0G2K9G
Introduction to IBM SPSS Decision Trees
(Yes)

0G046G
Introduction to IBM SPSS Neural Networks
(Yes)

Do you need an overview of how to make predictions for categorical outcomes? ←No— Do you need an overview of advanced statistical techniques (e.g., cluster analysis, linear mixed models, logistic regression)? ←No— Do you have to determine similarities and dissimilarities among products? ←No— Do you need to make predictions for aggregated data collected over a long period of time?

0L019G
IBM SPSS Statistics: Exploratory Techniques
(Yes)

0G093G
Advanced Statistical Analysis using IBM SPSS Statistics
(Yes)

0G056G
Correspondence Analysis and Multidimensional Scaling with IBM SPSS Categories
(Yes)

0G096G
Time Series Analysis and Forecasting with IBM SPSS Forecasting
(Yes)

Do you need an overview of how to perform exploratory techniques to classify groups of items (e.g., questions, people or products)? —No→ Do you need an overview of advanced statistical techniques (e.g., ordinal regression, generalized linear modes, or linear mixed models)? —No→ Do you need to build simulations using either historical data or theoretical equations?

0L009G
IBM SPSS Statistics: Exploratory Techniques
(Yes)

0L2M9G
IBM SPSS Statistics: Ordinal Regression, GLM, and Hierarchical Modeling
(Yes)

0J022G
Introduction to IBM SPSS Monte Carlo Simulations
(Yes)

Recommended Training Paths

IBM SPSS MODELER

ANALYST

Analyze Data: As a data analyst, you are responsible for using various techniques for analyzing and mining data. Use this journey to learn advanced techniques for IBM SPSS Modeler such as text analytics, data mining, classifications, predicting continuous targets, clustering, association modeling and more.

0A007G
Introduction to IBM SPSS Modeler and Data Mining

Do your projects include analyzing text responses (pre-defined & free form)? — **Yes** → **0A107G** Introduction to IBM SPSS Text Analytics

No

Are you interested in an overview of automated data mining tools? — **Yes** → **0A0G2G** Automated Data Mining with IBM SPSS Modeler

No

0A057G
Advanced Data Preparation Using IBM SPSS Modeler

→ **0A0U7G**
Classifying Customers Using IBM SPSS Modeler

→ **0A0V7G**
Predicting Continuous Targets Using IBM SPSS Modeler

→ **0A047G**
Clustering and Association Modeling Using IBM SPSS Modeler

→ **0A037G**
Advanced Predictive Modeling Using IBM SPSS Modeler

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0A007G

Introduction to IBM SPSS Modeler and Data Mining (2 days)

This course provides an overview of data mining (using CRISP-DM) and the fundamentals of using IBM SPSS Modeler. The course outlines the typical stages of a data mining project, from collecting data, to data exploration, data transformation, and modeling to effective interpretation of the results. Students will learn the basics of how to read, prepare, and explore data with IBM SPSS Modeler, and will be introduced to modeling.

Audience:
- New users of IBM SPSS Modeler

Prerequisites:
- None

0A037G

Advanced Predictive Modeling Using IBM SPSS Modeler (1 day)

This course builds on advanced techniques to predict categorical and continuous targets. It addresses data preparation issues such as partitioning and detecting anomalies along with methods to reduce the number of fields to a number of core fields (factors). This course also covers advanced predictive models, such as Decision List, Support Vector Machines and Bayes Net. Methods to combine individual models into a single model in order to improve predictive power are also covered.

Audience:
- IBM SPSS Modelers responsible for building predictive models

Prerequisites:
- 0A007G - Introduction to IBM SPSS Modeler and Data Mining (page 63), or equivalent experience in analyzing data with IBM SPSS Modeler

0A047G

Clustering and Association Modeling Using IBM SPSS Modeler (1 day)

This course introduces modelers to two specific classes of modeling available in IBM SPSS Modeler: clustering and associations. Students will explore various clustering techniques typically employed in market segmentation studies, as well as how to create sequence and association models.

Audience:
- Modelers and analysts

Prerequisites:
- Familiarity with the IBM SPSS Modeler environment
- Familiarity with handling missing data (i.e. Type and Data Audit nodes), and basic data manipulation (i.e. Derive and Select nodes)
- 0A007G - Introduction to IBM SPSS Modeler and Data Mining (page 63), or equivalent experience in analyzing data with IBM SPSS Modeler

0A057G

Advanced Data Preparation Using IBM SPSS Modeler (1 day)

This course covers advanced topics to aid in the preparation of data for a successful data mining project. Students will learn how to use functions, deal with missing values, use advanced field operations, handle sequence data, apply advanced sampling methods, and improve efficiency.

Audience:
- Users looking to familiarize with the full range of techniques available in IBM SPSS Modeler for data manipulation

Prerequisites:
- Familiarity with the Modeler environment
- 0A007G - Introduction to IBM SPSS Modeler and Data Mining (page 63) or equivalent experience *(recommended)*

IBM Advanced Analytics Courses

0A0G2G

Automated Data Mining with IBM SPSS Modeler (1 day)

Students will learn how to use IBM SPSS Modeler to automate the building of predictive models. Students will build predictive models for customer behavior and customer segmentation using various cluster models. Students will also learn how to read data from various sources and automatically prepare data for modeling using a variety of methods. Scoring new data using the model will also be discussed.

Audience:
- New users

Prerequisites:
- None

0A0U7G

Predictive Modeling for Categorical Targets Using IBM SPSS Modeler (1 day)

This course (formerly Classifying Customers Using IBM SPSS Modeler) focuses on analytical models to predict a categorical field (churn, fraud, response to a mailing, pass/fail exams, machine break-down, and so forth). Students will be introduced to decision trees such as CHAID and C&R Tree, traditional statistical models such as Logistic Regression, and machine learning models such as Neural Networks.

Audience:
- Users looking to familiarize with analytical models to predict a categorical field

Prerequisites:
- Familiarity with IBM SPSS Modeler environment
- 0A007G - Introduction to IBM SPSS Modeler and Data Mining (page 65) or equivalent experience *(recommended)*

0A0V7G

Predictive Modeling for Continuous Targets Using IBM SPSS Modeler (1 day)

This course (formerly Predicting Continuous Targets Using IBM SPSS Modeler) provides an overview of how to use IBM SPSS Modeler to predict a target field that describes numeric values. Students will be exposed to rule induction models such as CHAID and C&R Tree. Traditional statistical models such as Linear Regression will be introduced, and Machine Learning models will also be presented.

Audience:
- IBM SPSS Modeler analysts interested in learning modeling techniques used to predict a continuous target

Prerequisites:
- Familiarity with IBM SPSS Modeler environment
- 0A007G - Introduction to IBM SPSS Modeler and Data Mining (page 63) or equivalent experience *(recommended)*

0A107G

Introduction to IBM SPSS Text Analytics (2 days)

This course introduces students to the complete process of working with text data, from reading the text data to creating the final categories for additional analysis. Students will learn how to apply the model for Churn analysis, create and share resource templates and Text Analysis packages, automatically and manually create and modify categories, edit synonym, type, and exclude dictionaries, as well as how to perform Text Link Analysis and Cluster Analysis with text data.

Audience:
- IBM SPSS Modeler analysts responsible for building predictive models

Prerequisites:
- 0A007G - Introduction to IBM SPSS Modeler and Data Mining (page 63) or equivalent experience *(recommended)*

0G046G 🧑‍💼 🖥️ 🖳
Introduction to IBM SPSS Neural Networks (1 day)

This course covers the usage and application of Neural Network models using IBM SPSS Statistics. Neural Network models are used to predict an outcome variable that is either categorical or interval in scale using predictors that are also categorical or interval.

Audience:
- IBM Statistics users interested in Neural Network models

Prerequisites:
- 0G505G - Introduction to IBM SPSS Statistics (page 67) or equivalent experience
- 0G525G - Data Management and Manipulation with IBM SPSS Statistics (page 68) or equivalent experience
- 0G093G - Advanced Statistical Analysis using IBM SPSS Statistics (page 66) or equivalent experience

0G056G 🧑‍💼 🖥️ 🖳
Correspondence Analysis and Multidimensional Scaling with IBM SPSS Categories (1 day)

This course teaches students how to perform Correspondence Analysis and Multidimensional Scaling using procedures in the IBM SPSS Categories add-on module. Students will learn about useful analysis techniques such as Correspondence Analysis, Multidimensional Scaling, and Preference Scaling – and their applications.

Audience:
- IBM SPSS Statistics users interested in Correspondence Analysis and Multidimensional Scaling

Prerequisites:
- 0G505G - Introduction to IBM SPSS Statistics (page 67) or equivalent experience
- Basic statistical knowledge would be helpful

0G063G 🧑‍💼 🖥️ 🖳
Advanced Techniques ANOVA (2 days)

This course covers different Analysis of Variance techniques, which allows students to test whether the means of several populations are the same. After discussing the basic assumptions for each technique students will check the assumptions, run the analysis and draw conclusions from the data.

Audience:
- IBM SPSS Statistics users looking to refresh their knowledge of variance analysis techniques

Prerequisites:
- Experience with SPSS Syntax

0G073G 🧑‍💼 🖥️ 🖳
Advanced Techniques Regression (3 days)

This course examines regression techniques used to explore the relationships between interval scale variables in detail. Students will develop an understanding of when to apply each technique, how to apply it, and how to interpret the results. Additionally, the course will cover some preliminary data analysis steps and suggestions on how to proceed when your assumptions fail.

Audience:
- IBM SPSS Modeler users
- For users of SPSS for Windows Based System, SPSS Regression Models and SPSS Advanced Models

Prerequisites:
- Interest in knowing when to use and how to set up regression in IBM SPSS Modeler and how to interpret results
- Experience with SPSS for Windows Base System, SPSS Regression Models and SPSS Advanced Models

IBM Advanced Analytics Courses

0G093G
Advanced Statistical Analysis Using IBM SPSS Statistics (2 days)

This course introduces students to the advanced statistical methods available in IBM SPSS Statistics, including specific use cases, their underlying assumptions, analysis setup, as well as results analysis. This includes a broad range of techniques for predicting both continuous and categorical outcomes, as well as methods to cluster cases, find similar cases using a large set of variables and how to create statistical groupings of variables.

Audience:
- Analysts and modelers

Prerequisites:
- 0G515G - Introduction to Statistical Analysis Using IBM SPSS Statistics (page 67) or equivalent experience
- Knowledge of basic statistics would be helpful

0G096G
Time Series Analysis and Forecasting with IBM SPSS Forecasting (3 days)

This course outlines the process for analyzing time series data, including how to forecast using a variety of models, accounting for various combinations of trend, seasonality and predictive variables. Additionally, students will learn how to generate predictive values along with standard errors, confidence intervals and residuals. This course will emphasize the graphical display of your results, and will cover the new Expert Modeler features in SPSS Trends.

Audience:
- SPSS users interested learning about SPSS forecasting capabilities

Prerequisites:
- Experience with SPSS on Windows or completion of the Basics and/or Intermediate SPSS for Windows courses
- No previous forecasting experience required, but basic regression knowledge would be helpful

0G170G
Presenting Data with IBM SPSS Custom Tables (2 days)

This course covers how to create and edit tables using the IBM SPSS Custom Tables Module. Students will learn how to create tables by performing cross-tabulations, stacking, layering and nesting variables within tables, as well as creating tables for variables with shared categories and multiple response sets. Finally, students will learn how to edit tables using techniques both within and outside of the IBM SPSS Custom Tables Module.

Audience:
- IBM SPSS Statistics users

Prerequisites:
- 0G505G - Introduction to IBM SPSS Statistics (page 67) or equivalent experience

0G2K9G
Introduction to IBM SPSS Decision Trees (2 days)

This course provides a general introduction to the features of the IBM SPSS Decision Trees module, and an overview of decision tree based methods. These methods (CHAID, Exhaustive CHAID, CRT, and QUEST) are used to perform classification, segmentation, and predictive modeling in a wide range of business and research areas. The techniques are discussed and compared, the data is analyzed, and the results are interpreted.

Audience:
- Data analysts and market researchers

Prerequisites:
- Advanced statistical training in predictive models and basic regression *(recommended)*

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0G406G
IBM SPSS Statistics Syntax I (1 day)

This course introduces the rules of syntax, the command language that gives instructions to SPSS Statistics. Students will learn how to generate syntax from the dialog boxes, modify, and optimize its use. In this course, dialog boxes and syntax are complementary.

Audience:
- IBM SPSS Statistics users performing repetitive production tasks, or who are responsible for maintaining SPSS syntax jobs

Prerequisites:
- 0G505G - Introduction to SPSS Statistics (page 67) or equivalent experience

0G416G
IBM SPSS Statistics Syntax II (2 days)

This course focuses on powerful data transformations (only available in syntax - not in the GUI) and on automation (Macros and the Production Facility). The Macro language is discussed in detail with the purpose of optimizing syntax efficiency and transparency; and the Production Facility is discussed to highlight how syntax files can be scheduled in Windows and other OS environments.

Audience:
- Experienced IBM SPSS Statistics users

Prerequisites:
- 0G406G - IBM SPSS Statistics Syntax I (page 67) or equivalent experience

0G505G
Introduction to IBM SPSS Statistics (2 days)

This course teaches students the fundamentals of using IBM SPSS Statistics for typical data analysis processes. Students will learn the basics of reading data, data definition, data modification, data analysis, and the presentation of analytical results, as well as the shortcuts to help save time. This course uses the IBM SPSS Statistics Base features.

Audience:
- Beginner SPSS Statistics users
- Those considering purchasing IBM SPSS Statistics

Prerequisites:
- Experience using applications, such as word processors or spreadsheets, on Microsoft Windows, Macintosh or Linux environments
- Basic understanding of the purpose and functions of the software *(recommended)*

0G515G
Introduction to Statistical Analysis using IBM SPSS Statistics (2 days)

This course introduces students to the statistical component of IBM SPSS Statistics. Statistical techniques will be reviewed and discussed, such as how to explore and summarize data, and how to investigate and test underlying relationships. Students will gain an understanding of when and why to use these various techniques, as well as how to apply them with confidence, interpret their output, and graphically display the results.

Audience:
- IBM SPSS Statistics users

Prerequisites:
- 0G505G - Introduction to IBM SPSS Statistics (page 67) or 0G525G Data Management and Manipulation with IBM SPSS Statistics (page 68) or equivalent experience with IBM SPSS Statistics

IBM Advanced Analytics Courses

0G525G

Data Management and Manipulation with IBM SPSS Statistics (2 days)

This course focuses on a wide range of data transformation techniques, such as ways to automate data preparation work, manipulate data files and analytical results. Students will gain an understanding of the various options for controlling the IBM SPSS Statistics operating environment and how to perform data transformations efficiently.

Audience:
- IBM SPSS Statistics users

Prerequisites:
- 0G505G - Introduction to IBM SPSS Statistics (page 67) or equivalent experience

0L009G

IBM SPSS Statistics: Exploratory Data Analysis (1 day)

This course introduces students to the advanced statistical methods available in IBM SPSS Statistics, including a discussion of specific use cases, their underlying assumptions, analysis setup, as well as results interpretation. Students will learn techniques to predict both categorical and continuous outcomes, cluster cases, create statistical variable groupings, and find similar cases using a large set of variables.

Audience:
- Analysts and modelers looking to build on current competencies

Prerequisites:
- 0G515G - Introduction to Statistical Analysis Using IBM SPSS Statistics (page 67) or equivalent experience
- Knowledge of basic statistics would be helpful

0L019G

IBM SPSS Statistics: Advanced Topics in Regression and Discriminant Analysis (1 day)

Students will learn advanced statistical methods available in IBM SPSS Statistics, including a discussion of specific use cases, their underlying assumptions, analysis setup, as well as results interpretation.

Audience:
- Analysts and modelers looking to build on current competencies

Prerequisites:
- 0G515G - Introduction to Statistical Analysis Using IBM SPSS Statistics (page 67) or equivalent experience
- Knowledge of basic statistics would be helpful

0L2M9G

IBM SPSS Statistics: Ordinal Regression, GLM and Hierarchical Modeling (1 day)
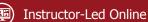
Students will learn advanced statistical methods available in IBM SPSS Statistics, including a discussion of specific use cases, their underlying assumptions, analysis setup, as well as results interpretation.

Audience:
- Analysts and modelers looking to build on current competencies

Prerequisites:
- 0G515G - Introduction to Statistical Analysis Using IBM SPSS Statistics (page 67) or equivalent experience
- Knowledge of basic statistics would be helpful

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0J022G

Introduction to IBM SPSS Monte Carlo Simulation

This course covers how to create, edit, and run simulations using the IBM SPSS Statistics Simulations procedure. Students will learn about Monte Carlo simulations, how they work and some of their advantages over single-point estimate models. Students will also learn to use the simulation builder, from either historical data or theoretical equations, and how to use the run simulation dialog.

Audience:
- Data analysts

Prerequisites:
- Familiarity with Windows OS, Microsoft Excel, and a web browser
- 0G515G - Introduction to Statistical Analysis Using IBM SPSS Statistics (page 67) or equivalent experience

0J760G

Introduction to IBM SPSS Maps

This course covers how to create and edit maps using the IBM SPSS Statistics Graphboard Template Chooser. Students will learn how to take data with a geographical component and create different types of maps that allow one to see patterns in the data that might not be evident in traditional charts. They will also learn how to use the Map Conversion Utility to create additional map template files.

Audience:
- Students familiar with IBM SPSS Statistics

Prerequisites:
- 0G505G - Introduction to IBM SPSS Statistics (page 67) or equivalent experience
- Familiarity with Windows OS, and a web browser

0K166G

"Viz"-ualizing Your Data - On Demand Recording

This course introduces the new Viz Designer application, exploring the life cycle of a data visualization from creation to deployment. Those new to visualization technology will be aided by the template chooser, experienced visualization users are able to create custom templates which can be deployed into other SPSS client applications including SPSS Statistics 17.0 and Clementine 12.x. This course will cover techniques for both the "Viz" consumer and the organization's data experts.

Audience:
- Open

Prerequisites:
- None

0K437G

Integrating Functions, Procedures and Algorithms with IBM SPSS Statistics

This course covers how to integrate custom programming functions with IBM SPSS Statistics. Students will learn the concepts and benefits of programmability, and how to locate information and install existing extension commands. Students will also learn how to create custom dialog boxes, syntax definitions for extension commands, and extension commands in Python or R.

Audience:
- Experienced users wishing to extend the functionality of the IBM SPSS Statistics software

Prerequisites:
- 0G406G - IBM SPSS Statistics Syntax I (page 67) or equivalent experience *(recommended)*
- 0G525G - Data Management and Manipulation with IBM SPSS Statistics (page 68) or equivalent experience *(recommended)*

IBM Advanced Analytics Courses

IBM OPEN SOURCE & BIG DATA ANALYTICS

AVAILABLE TRAINING FORMATS:

- In-Class
- Instructor-Led Online
- Self-Paced Virtual Classes
- Customized

IBM OPEN SOURCE & BIG DATA ANALYTICS

OPEN AND UNIFIED ANALYTICS PLATFORM THAT REDUCES RISK AND INCREASES FELXIBILITY

The IBM Analytics platform allows you to leverage open source technology while reducing your risk and increasing your flexibility with rapidly growing data sets. Easily incorporate and analyze data from a variety of sources, allowing you to blend newer technologies into your existing architecture. The IBM Analytics platform includes premium offering and services built on open source Apache Hadoop, allowing you to manage, store, govern, and process vast amounts of data.

KEY PRODUCTS

IBM INFOSPHERE STREAMS

- Quickly analyze and correlate information from thousands of data stream sources
- View data and information in motion, as they unfold
- Integrates with your applications
- Allows you to quickly develop new applications
- Provides security features and confidentiality for shared information

IBM BIGINSIGHTS

- Combines Hadoop and Spark for fast processing of all data
- Easily integrate a variety of data sources in innovative ways
- Get more value from text analytics
- Makes Hadoop flexible
- On-premises, on-cloud, and integrated with other systems
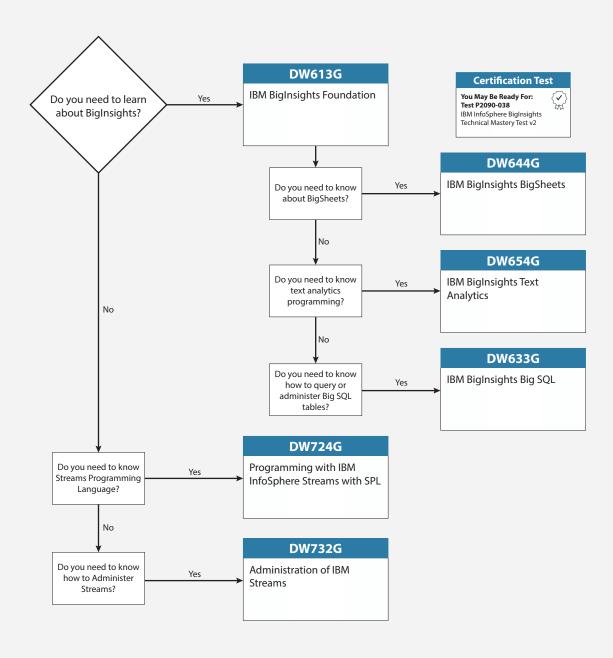- Scale quickly and easily with less coding and more analytics

IBM OPEN PLATFORM WITH APACHE HADOOP

- Ideal platform for Big Data projects with Apache Hadoop distribution
- Native support for continuous updates of Hadoop services
- Ensures that Hadoop components work together
- Cost-effectively analyze and manage Big Data
- Reduce the risk of adopting open source Hadoop

INFOSPHERE STREAMS & BIGINSIGHTS

Start your IBM Big Data journey with these new training options.

Do you need to learn about BigInsights? — Yes →

DW613G
IBM BigInsights Foundation

Certification Test
You May Be Ready For:
Test P2090-038
IBM InfoSphere BigInsights
Technical Mastery Test v2

Do you need to know about BigSheets? — Yes →

DW644G
IBM BigInsights BigSheets

No ↓

Do you need to know text analytics programming? — Yes →

DW654G
IBM BigInsights Text Analytics

No ↓

Do you need to know how to query or administer Big SQL tables? — Yes →

DW633G
IBM BigInsights Big SQL

No ↓ (from "Do you need to learn about BigInsights?")

Do you need to know Streams Programming Language? — Yes →

DW724G
Programming with IBM InfoSphere Streams with SPL

No ↓

Do you need to know how to Administer Streams? — Yes →

DW732G
Administration of IBM Streams

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CE121G
DB2 SQL Workshop (2 days)

This course provides an introduction to the SQL language. Students will learn how to write, support, and understand simple SQL queries, along with the SQL Data Manipulation Language. Students will also learn how to retrieve data from manipulation tables, scalar functions and arithmetics and how to maintain data.

Audience:
- End-users, programmers, application designers, database administrators, and system administrators

Prerequisites:
- Basic computer literary
- Basic editing skills

CE131G
DB2 SQL Workshop for Experienced Users (2 1/2 days)

This course teaches students how to make use of advanced SQL techniques to access DB2 databases in different environments. This course is appropriate for anyone working in all DB2 environments, specifically for z/OS, Linux, UNIX, and Windows.

Audience:
- End-users, application programmers, and database administrators

Prerequisites:
- Knowledge of coding and executing basic SQL statements
- CE121G - DB2 Workshop (page 73) *(recommended)*

DW601G
IBM BigInsights Overview (1 day)

This course provides an overview of IBM's big data strategy as well as the importance of understanding and using big data. The course will cover IBM BigInsights as a platform for managing and gaining insights from big data. Students will learn how the BigInsights have aligned their offerings to better suit their needs with the IBM Open Platform (IOP) along with the three specialized modules with value-add that sits on top of the IOP.

Audience:
- Big data engineers, data scientists, developers, programmers, and administrators

Prerequisites:
- Knowledge of Linux would be helpful

DW606G
IBM Open Platform with Apache Hadoop (2 days)

This course provides an in-depth introduction to the main components of the ODP core - namely Apache Hadoop (inclusive of HDFS, YARN, and MapReduce) and Apache Ambari - as well as providing a treatment of the main open-source components that are generally made available with the ODP core in a production Hadoop cluster.

Audience:
- Big data engineers, data scientist, developers, programmers, and administrators

Prerequisites:
- Knowledge of Linux would be helpful

IBM Open Source & Big Data Analytics Courses

DW613G
IBM BigInsights Foundation (3 days)

This course provides a foundation of IBM BigInsights through two separate modules: IBM BigInsights Overview and IBM Open Platform with Apache Hadoop. The first module will cover IBM BigInsights as a platform for managing and gaining insights from your big data, as well as value-add tools including Big SQL, BigSheets, and Big R. The second module will provide students with an in-depth introduction to the main components of the ODP core - namely Apache Hadoop (inclusive of HDFS, YARN, and MapReduce) and Apache Ambari.

Audience:
- Big data engineers, data scientists, developers, programmers, and administrators

Prerequisites:
- None

DW633G
IBM BigInsights Big SQL (1 day)

This course introduces students to the capabilities of Big SQL, a part of IBM BigInsights that allows students to access their HDFS data by providing a logical view. Students can use the same SQL that was developed for their data warehouse data on your HDFS data. This course will also cover Big SQL federation, allowing students to join various data sources with Big SQL, as well as integration with a number of other components including Spark, HBase and BigSheets.

Audience:
- Developers and administrators that want to use Big SQL to access and administer their Hadoop data

Prerequisites:
- Familiarity with SQL, Hadoop, and the Linux file system

DW644G
IBM BigInsights BigSheets (1 day)

This course introduces students to the capabilities of BigSheets, a component of IBM BigInsights through the Analyst and the Data Scientist module. It provides the analyst the ability to visualize and analyze data stored on the HDFS using a spreadsheet type interface without any programming.

Audience:
- Business analysts

Prerequisites:
- Familiarity with Hadoop and the Linux file system
- DW601G - IBM BighInsights Overview (page 73) *(recommended)*

DW653G
BigInsights Analytics for Programmers (2 days)

This course is designed to aid programmers who are working with IBM's InfoSphere BigInsights. Students will learn how to create annotators through the use of IBM's Annotation Query Language (AQL) and how to use Jaql to create high level programs that are decomposed into Hadoop MapReduce programs. This course covers the foundation to programing using the Apache Pig language along with how to publish a text analytics application from the BigInsights development environment to a BigInsights server.

Audience:
- This intermediate course is for anyone with a need to learn the IBM Annotation Query Language (AQL), Jaql or Pig

Prerequisites:
- Knowledge of SQL

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DW654G

IBM BigInsights Text Analytics (1 day)

This course teaches students how to use IBM BigInsights Text Analytics to extract information from unstructured and semi-structured documents. Students will learn how to use IBM BigInsights Text Analytics to create extractors using a visual web interface. The visual extractors are then automatically translated into Annotation Query Language (AQL) rules to extract structured information from unstructured and semi-structured documents.

Audience:
- Data scientists and developers

Prerequisites:
- Familiarity with SQL, Hadoop, and the Linux file system
- DW601G - IBM BigInsights Overview (page 73)
- DW644G - IBM BigInsights BigSheets (page 74) *(recommended)*

DW724G

Programming for IBM InfoSphere Streams with SPL (4 days)

This course is designed to teach students about the Streams Processing Language. It will cover the basic concepts of InfoSphere Streams and the basic Streams Processing Language operators used in a Streams program. Students will learn how to access data from an external source using the Source type operators and write an output stream using the Sink type operators. Students will also learn how and when to use the various Stream operators, like the Functor, Punctor, Aggregation, Sort, Join, Split, Barrier, Delay, and Switch operators.

Audience:
- This basic course is designed for those who are planning on developing InfoSphere Streams applications

Prerequisites:
- None

DW732G

Administration of IBM Streams (2 days)

This course enables students to acquire the skills necessary to administer an IBM Streams system. The course covers how to create and view Streams domains and instances, using ZooKeeper in a high availability environment, stopping and starting processing elements, viewing the jobs and processing elements that are running, and a variety of other topics.

Audience:
- Those who will be Administering IBM Streams

Prerequisites:
- Knowledge of Linux administration
- DW724G - Programming for InfoSphere Streams with SPL (page 75) *(recommended)*

IBM Open Source & Big Data Analytics Courses

FREQUENTLY ASKED QUESTIONS

1. What courseware do I receive after I register for a course?

In-Class: Upon arrival to the classroom you will receive a hard copy of the student manual, a notebook & pen, and a laptop with access to the course environment.

Instructor-Led Online: You will receive a copy of the student manual approximately a week prior to course start. You will also receive the login information for virtual machines and the audio-conferencing tool 1-2 business days before the course start date.

Self-Paced Virtual Class: You will receive access to a virtual machine through your web browser, which includes a PDF copy of the student manual. Students will have access to the SPVC for 30 days after starting the course, and can work through exercises at their own pace.

2. Is there a specific sequence of courses I should take?

Yes, based on your role, there is a certain recommended training path. Please see the beginning of each course section for our standard recommended training paths - we can help create a customized training path for your needs. Please contact Newcomp Analytics' training advisors at training@newcomp.com or (888) 892-4276.

3. Why isn't the course I am looking for in the training catalogue?

We have included our most popular courses in the training catalogue. We can teach most, if not all, IBM Analytics training courses. Based on interest, we can add courses to the public schedule or schedule a private, on-site training session at your location. Please reach out to us directly at training@newcomp.com to discuss options in further detail.

4. Why is training not scheduled in my city?

We schedule training sessions based on interest and requests from our students. Please reach out to us with your request and we can add it to our training schedule.

5. What if I require special accommodations to take a course?

Newcomp strives to accommodate all students' needs. Please ensure that you let us know of any requirements prior to course start.

6. Does Newcomp Analytics offer customized courses?

Absolutely! Reach out to us directly at training@newcomp.com to discuss the options for customization and mentoring.

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