Microsoft® Power BI®: Data Analysis Professional (Third Edition) Bridge Document

(from Microsoft® Power BI®: Data Analysis Professional (Second Edition))

This bridge document is written for instructors who have used Logical Operations' *Microsoft® Power BI®: Data Analysis Professional (Second Edition)* courseware (product number 095212), and who wish to come up to speed on the new *Microsoft® Power BI®: Data Analysis Professional (Third Edition)* courseware (product number 095214) quickly and efficiently.

Our instructional designers work to retain sequencing and activities wherever possible, while revising course content and flow to align with current data analysis practices and technology and creating material that provides for an excellent class experience.

Overview of Changes

The following sections describe the substantive changes that have been made to this new version of the course.

Updated content to reflect new certification exam objectives

Since the release of the previous editions of the *Microsoft® Power BI®: Data Analysis Professional* course, Microsoft has updated Exam PL-300: Microsoft Power BI Data Analyst. The Third Edition course aligns with the most recent version of the Exam PL-300 objectives. For details about the exam, visit **https://learn.microsoft.com/en-us/credentials/certifications/exams/pl-300/**, and download the PL-300 study guide by using the link in the Tip section.

Updated content to reflect UI changes

Microsoft has introduced significant changes to the user interface since the release of the Second Edition course. The Third Edition course was developed with the most recent release of Power BI available, and all content has been updated to reflect the changes to the user interface, including graphics, slides, procedures, and activities.

Updated content to reflect new or changed features

Numerous sections contain new or revised content to cover features that either:

- Were not covered in the Second Edition of the course, or
- Have significant changes to their functionality.

Details of these changes are noted below in the structural and content change sections of this document.

Updated slides and screenshots

All screenshots have been updated. Slides were updated to the current Logical Operations' slide format, with topic titles and other supporting slides added as well.

Lesson-Level and Topic-Level Structural Changes

The following table compares the lesson-level and topic-level outline of the *Microsoft® Power BI®: Data Analysis Professional (Third Edition)* course to the *Microsoft® Power BI®: Data Analysis Professional (Second Edition)* course.

Change color key:

- A. Topics with minor updates
- B. Topics with significant updates
- C. New topics
- D. Topics updated and moved from a different lesson/course

Microsoft® Power BI®: Data Analysis Professional		
Lesson	**095212: Microsoft® Power BI®: Data Analysis Professional (Second Edition)**	**095214: Microsoft® Power BI®: Data Analysis Professional (Third Edition)**
1	Analyzing Data with Self-Service BI A. Data Analysis and Visualization for Business Intelligence B. Self-Service BI with Microsoft Power BI	Analyzing Data and Reporting with Power BI A. Data Analysis and Visualization for Business Intelligence B. Interact with Reports in Power BI
2	Connecting to Data Sources A. Create Data Connections B. Configure and Manage Data Relationships C. Save Files In Power BI	Connecting to Data A. Create Data Source Connections B. Configure and Manage Relationships C. Save Files in Power BI D. Secure and Troubleshoot Connections
3	Performing Data Cleaning, Profiling, and Shaping A. Clean, Transform, and Load Data with the Query Editor B. Profile Data with the Query Editor C. Shape Data with the Query Editor D. Combine and Manage Data Rows	Cleaning, Transforming, and Loading Data A. Load, Clean, and Shape Data with the Query Editor B. Profile Data with the Query Editor C. Shape Data with the Query Editor D. Transform Data with the Query Editor
4	Visualizing Data with Power BI A. Create Visualizations in Power BI B. Chart Data in Power BI	Visualizing Data with Power BI A. Create Visualizations with Power BI B. Select Visualization Types with Power BI
5	Enhancing Data Analysis A. Customize Visuals and Pages B. Incorporate Tooltips	Enhancing Visuals for Data Analysis A. Customize Visuals and Pages B. Incorporate Tooltips in Visualizations
6	Modeling Data with Calculations	Modeling Data with Calculations A. Create Calculated Columns with DAX

	A. Create Calculated Columns with Data Analysis Expressions (DAX) B. Create Calculated Measures and Conditional Columns	B. Create Calculated Measures and Conditional Columns

7	Creating Interactive Visualizations
	    A. Create and Manage Data Hierarchies
	    B. Filter and Slice Reports
	    C. Create Dashboards
		Customizing and Filtering Reports
		    A. Create Data Hierarchies
		    B. Filter Reports
		    C. Discover Time-Intelligence Insights
		    D. Configure Slicers for Interactive Filtering

8	Using Advanced Analysis Techniques
	    A. Create Calculated Tables, Variables, and Parameters
	    B. Enhance Visuals with Statistical Analysis
	    C. Perform Advanced Analysis
		Performing Advanced Analysis
		    A. Create Calculated Tables, Variables, and Parameters
		    B. Perform Statistical Analysis
		    C. Analyze Data with Advanced Power BI Features

9	Enhancing Reports and Dashboards
	    A. Enhance Reports
	    B. Enhance Dashboards
		Sharing Reports and Creating Dashboards in the Power BI Service
		    A. Publish and Explore Reports in the Power BI Service
		    B. Create Dashboards
		    C. Add Q&A to Dashboards

10	Publishing and Sharing Reports and Dashboards
	    A. Publish Reports
	    B. Create and Manage Workspaces
	    C. Share Reports and Dashboards
		Managing and Collaborating in the Power BI Service
		    A. Manage Workspaces and Share Content
		    B. Collaborate with the Power BI Service

11	Extending Power BI Beyond the Desktop
	    A. Use Power BI Mobile
	    B. Extend Access with the Power BI API
		Enhancing Reports and Dashboards
		    A. Optimize Usability and Performance
		    B. Create Mobile Reports for Power BI

Content-Level Changes

In addition to the changes noted above, the following changes were made at the content level:

- Lesson 1:
  - Topic A: New content for Data Analysis Task Workflow and Microsoft Intelligent Data Platform; less focus on self-service BI and more focus on analysis
  - Topic B: New content comparing Power BI Desktop and the Power BI Service, On-Object Interaction, and Data Points and Tooltips; removed content on datasets and dataflows

- Lesson 2:
    - Topic A: Removed content on datasets and dataflows
    - Topic B: New content for Date Tables and Date Table Creation Options
    - Topic C: No new or removed content
    - Topic D: New topic to address issues that can affect data connections
- Lesson 3:
    - Topic A: Changed focus to cleaning and shaping data
    - Topic B: New content for Data Statistics and Query Diagnostics
    - Topic C: New content for Query Parameters, Query Parameter Configuration, and Reference vs. Duplicate Queries
    - Topic D: New content for AI Insights
- Lesson 4:
    - Topic A: Heavily revised to address on-object interaction and the visualization widgets and panes
    - Topic B: New content for Aggregation and Visualization Types (What to Choose and What to Avoid); new optional activity for exploring AppSource visuals; removed content on combination and waterfall charts
- Lesson 5:
    - Topic A: New content for Page and Visual Refresh
    - Topic B: Removed content on tooltip report page configuration and report page tooltip assignment
- Lesson 6:
    - Topic A: Changed emphasis to creating calculated columns
    - Topic B: New content for Suggestions with Copilot; moved content on filter manipulation, time-intelligence functions, and semi-additive measures to Lesson 7, Topic C
- Lesson 7:
    - Topic A: No new or removed content
    - Topic B: Split content to focus on report filtering
    - Topic C: New topic to cover using filters for gaining time-intelligence insights
    - Topic D: Separate topic for slicers content
- Lesson 8:
    - Topic A: New content for Fields Parameters
    - Topic B: Removed content on the Analytics well, analytics available by chart type, and statistical summary
    - Topic C: New content for AI Visuals
- Lesson 9: This lesson is based on former Lesson 9, Topic B; Lesson 10, Topic A; and Lesson 7, Topic C.
    - Topic A: New content for Reports and Pages and the Power BI Service Button Bar
    - Topic B: Q&A content split into separate topic; content on Quick Insights, Dashboard Themes, and Alerts included with dashboard creation content
    - Topic C: Expanded content for the Q&A feature; new activity for adding Q&A to dashboards
- Lesson 10: This lesson is based on former Lesson 10, Topics B and C.

- o Topic A: Changed focus to managing workspaces and sharing content; new content for Workspace Access and Workspace Settings
- o Topic B: Changed focus to collaborating with the Power BI Service; new content for Report Commenting, Scorecard and Metric Configuration, Image Export Options, and PowerPoint Embedded Live Data
- Lesson 11: This lesson is based on former Lesson 9 and Lesson 11, Topic A.
  - o Topic A: Changed focus to usability and performance for reports and dashboards (which were covered separately in the prior edition); removed content on accessibility options, the Selection pane, report navigation, personalization, query diagnostics, and tile management
  - o Topic B: Changed focus to creating mobile reports; removed content on Power BI Mobile data connections, annotations, and report sharing