



MICT SETA accredited ACC/2011/07/066 Est. October 2003

## College Africa Group - Microsoft Power BI: Data Analysis Practitioner table of contents

Number of training days: Two

Pre-requisites: Excel Advanced

This course is designed for professionals in a variety of job roles who are currently using desktop or web-based data-management tools such as Microsoft Excel to perform numerical or general data analysis.

They are responsible for conducting data analysis and providing reports about their analysis and are looking for alternative ways to analyse business data, visualize insights, and share those insights with peers across the enterprise. This includes capturing and reporting on data to peers, executives, and clients. This is a two day course.

To ensure your success in this course, you should have experience managing data with a spreadsheet program such as Microsoft Excel or Google Sheets.

**Course Objective:** In this course, you will explore and visualize data with Power BI.

### Course Content

Lesson 1: Analyzing Data with Self-Service BI

Topic A: Data Analysis and Visualization for Business Intelligence

Topic B: Self-Service BI with Microsoft Power BI

Lesson 2: Connecting to Data

Topic A: Create Data Connections

Topic B: Model Data with Relationships

Topic C: Save Power BI Files

Lesson 3: Performing Advanced Data Modeling and Shaping

Topic A: Clean and Transform Data with the Query Editor

Topic B: Shape Data with the Query Editor

Topic C: Combine and Manage Data Rows

Lesson 4: Visualizing Data with Power BI

Topic A: Create Visualizations in Power BI

Topic B: Chart Data in Power BI

Lesson 5: Enhancing Data Analysis

Topic A: Enhance Analysis with Customized Visuals and Pages

Topic B: Enhance Analysis with Tooltips

Lesson 6: Modeling Data with Calculations

Topic A: Create Calculations with Data Analysis Expressions (DAX)

Topic B: Create Calculated Measures and Conditional Columns

Lesson 7: Creating Interactive Visualizations

Topic A: Create and Manage Data Hierarchies

Topic B: Filter and Slice Reports

Topic C: Create Dashboards in Power BI

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