

Introduction to DAX for Power BI Desktop Users - Level 3

Duration: 2 Day(s)

Course Overview

This course takes an in-depth approach to the DAX language, teaching designers how to build models that extend the capabilities of source data for more in-depth, customized business intelligence solutions. Topics covered include proper understanding of DAX evaluation, controlling evaluation context, understanding relational functions, error handling within the data model, working with complex time intelligence calculations.

Review this course online at <https://www.alta3.com/courses/PBICAL>

Objectives

- Understand DAX evaluation context and its applications
- Implement and control evaluation context to manage data models
- Utilize relational and time intelligence functions efficiently
- Handle errors within data models to ensure robust computations

Who Should Attend

- Business Intelligence Analysts
- Power BI Specialists
- Data Analysts
- Report Developers

Prerequisites

Data Model Design using Power BI Desktop - Level 2

Course Outline

Lesson 1 : Basic DAX Functionality

1. Review of Calculated Columns
2. Review of Measures
3. Rules of Evaluation
4. Evaluation Context Review
5. Formatting DAX Code

Lesson 2 : Controlling Content & Values

6. Controlling Values - DAX
7. Error Handling

Lesson 3 : Context Control Functions

- 8. Iterative Functions
- 9. The FILTER Function
- 10. The ALL Function
- 11. The CALCULATE Function

Lesson 4 : Contexts In Relationships

- 12. Working With Many Tables
- 13. Row Context & Relationships
- 14. Elevated Calculated Columns
- 15. Filter Context & Relationships
- 16. Cross Filtering Issues

Lesson 5 : Time Intelligence Functions

- 17. Calculating Operating Periods
- 18. To-Date Functions
- 19. Controlling Totals
- 20. Advanced Date Functions
- 21. Prior Year Functions

Appendix: Advanced Concepts

- 22. Additional Uses Of The ALL Function
- 23. Advanced Date Tables
- 24. Working with Missing Periods
- 25. Working with Non-Standard Years
- 26. Parameter Tables
- 27. Banding