PL-300: Microsoft Power BI, Part 4 of 6: DAX

page 1

Meet the expert: Nikolai is a mathematician and works as a data scientist in a large German company. He is focused mainly on gaining insights from data and creating a positive impact with this knowledge.

Prerequisites: Experience with Microsoft Excel, pivot tables and power pivot modelling is helpful.

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Course description: Data Science is a growing field, this course explores Data Analysis Expressions(DAX), the language developed to interact with data.

Data Analysts are responsible for designing and building scalable data models, cleaning and transforming data, and enabling advanced analytic capabilities that provide meaningful business value through easy-to-comprehend data visualizations. The PL-300 Exam validates this expertise.

Course outline:

Welcome to DAX
- Introduction
- Welcome to DAX
- Let's look at our data
- Measures vs. Calculated Columns
- Summary

CALENDARAUTO
- Introduction
- CALENDARAUTO
- CALENDAR
- How to create a complete date table
- 0Key Measures Table
- Summary

Aggregation functions
- Introduction
- Aggregation functions
- COUNT
- SUMX - How does it work
- Summary

DAX Calculate
- Introduction
- CALCULATE Basics
- Changing the Context with FILTER
- ALL
- ALLSELECTED
- ALLEXCEPT
- Summary

DAX TimeIntelligence
- Introduction
- TimeIntelligence & DATEADD
- Year-to-Date & Month-to-Date
- TOTALYTD VS DATESYTD
- DATESBEETWEEN
- Summary

DAX Advanced Topics
- Introduction
- Logical Operators
- Commenting and Formatting
- Variables
- Quickmeasures use Intelligently
- Summary