PL-300: Microsoft Power BI, Part 2 of 6: Data Transformation

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 second course in the series digs into the Query Editor and Advanced Transformations.

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:

Connecting to our Data Source
- Introduction
- Connecting to our data source_new
- Editing and removing rows
- Changing data types
- Replace Values
- Close & Apply
- Summary

Connecting Power BI to a CSV File
- Introduction
- Connecting Power BI to a csv file
- Connecting to a Web Page
- Extract Characters
- Splitting & Merging Columns
- Summary

Create a Conditional Column
- Introduction
- Create a conditional column
- Columns from examples
- Merging Queries
- Joins
- Apply the Knowledge
- Summary

Pivoting & Unpivoting
- Introduction
- Pivoting & Unpivoting
- Appending Tables
- Practice & Solution PopulationTable
- Summary

Fact Dimension Model
- Introduction
- Fact Dimension Model
- Practice Load Dimension Table
- Organizing our Queries in Groups
- Entering data manually
- Summary

Creating an Index Column
- Introduction
- Creating an index column
- Workflow & more transformations
- Module Summary
- Excersice 1 Instructions
- Exercise 1 Solution
- Summary

Advanced Editor - Best Practices
- Introduction
- Advanced Editor - Best practise
- References vs. Duplicates
- Enable Disable Load & Report Refresh
- Summary

Group by
- Introduction
- Group by
- Mathematcal Operations
- Run R Script
- Summary

Using Parameters to Transform Data
- Introduction
- Using Parameters to transform data
- Exercise 2 Instructions
- Exercise 2 solution
- Summary

Understanding Relationships
- Introduction
- Understanding relationships
- Create & Edit relationships
- One-to-Many and One-to-One Relationship
- Summary

Many-to-Many Relationship & Crossfilter Direction
- Introduction
- Many-to-Many relationship & Crossfilter
- Cross filter direction
- Summary

Activate and Deactivate Relationships
- Introduction
- ActivateDeactivate Relationships
- Create Model Summary
- Exercise 3 - Create Model
- Exersice 3 - Solution
- Summary