PL-300: Microsoft Power BI, Part 3 of 6: Visualization and Power BI and Python

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 in the Power BI series digs into visualizing data as well as using Python in Power BI.

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:

Our First Visual
- Introduction
- Our first visual
- The format tab
- Tables
- Summary

Conditional Formatting
- Introduction
- Conditional Formatting
- The Pie Chart
- All about the Filter visual
- Summary

Filter Pane for Developers
- Introduction
- Filter pane for developers
- Cross filtering & Edit interactions
- Exercise 4 - Instructions
- Exercise 4 - Solution
- Syncing Slicers Across Pages
- Summary

Drill Down
- Introduction
- Drill Down
- Drill Through
- Tree Map Visual
- Decomposition Tree
- Summary

Matrix Visualization
- Introduction
- Matrix visual
- Edit pages
- Buttons & Actions
- Bookmarks to customize your report
- Summary

Analytics and Forecast with Line Charts
- Introduction
- Analytics and Forecast with Line Charts
- Working with Custom Visuals
- Get data using R & R Script Visual
- Summary

Asking Questions
- Introduction
- Asking Questions
- Wrap up Data Visualization
- Exercise 5 - solution
- Summary

Python Intro
- Introduction
- Plan of Attack
- Setting up Python
- Transforming data using Python scripts
- Python visual
- Summary

Python Visual Plot Types
- Introduction
- Plots and correlation analysis plots
- Text Analysis
- Performance and Troubleshooting
- Summary