Exam 70-779: Analyzing and Visualizing Data with Microsoft Excel – Skills Measured

Audience Profile

Candidates for this exam should have a strong understanding of how to use Microsoft Excel to perform data analysis. Candidates should be able to consume, transform, model, and visualize data in Excel. Candidates should also be able to configure and manipulate data in PowerPivot, PivotTables, and PivotCharts. Candidates may include BI professionals, data analysts, and other roles responsible for analyzing data with Excel.

Skills Measured

NOTE: The bullets that appear below each of the skills measured are intended to illustrate how we are assessing that skill. This list is not definitive or exhaustive.

NOTE: In most cases, exams do NOT cover preview features, and some features will only be added to an exam when they are GA (General Availability).

Consume and Transform Data by Using Microsoft Excel (30-35%)

Import from data sources

- connect to and import from databases, files, and folders; connect to Microsoft SQL Azure, Big Data, SQL Server Analysis Services (SSAS), and Power Query; import supported file types; import from other Excel workbooks; link to data from other sources

Perform data transformations

- design and implement basic and advanced transformations, apply business rules, change data format to support visualization, filter data, format data

Cleanse data

- manage incomplete data; handle data received as a report; remove unnecessary rows, columns, and data; remove repeating headers

Model Data (35-40%)

Create and optimize data models

- manage data relationships, optimize models for reporting, manually enter data, perform Get & Transform, create automatic relationships, create manual relationships

Create calculated columns, measures, and tables

- create DAX queries, create DAX formulas, create Excel formulas

Create performance KPIs

- calculate the actual value, calculate the target value, calculate actual to target values

Create hierarchies

- create date hierarchies, create business hierarchies, resolve hierarchy issues

Visualize Data (30-35%)

Create and manage PivotTables

- format PivotTables and PivotCharts, format calculated measures, filter data, group and summarize data

Create and manage PivotCharts

- select a chart type, format calculated measures, filter data; group and summarize data, use slicers

Interact with Power BI

- import Excel data from Power BI, manipulate Excel data in Power BI