Power BI

Advanced Power BI (June 2024)

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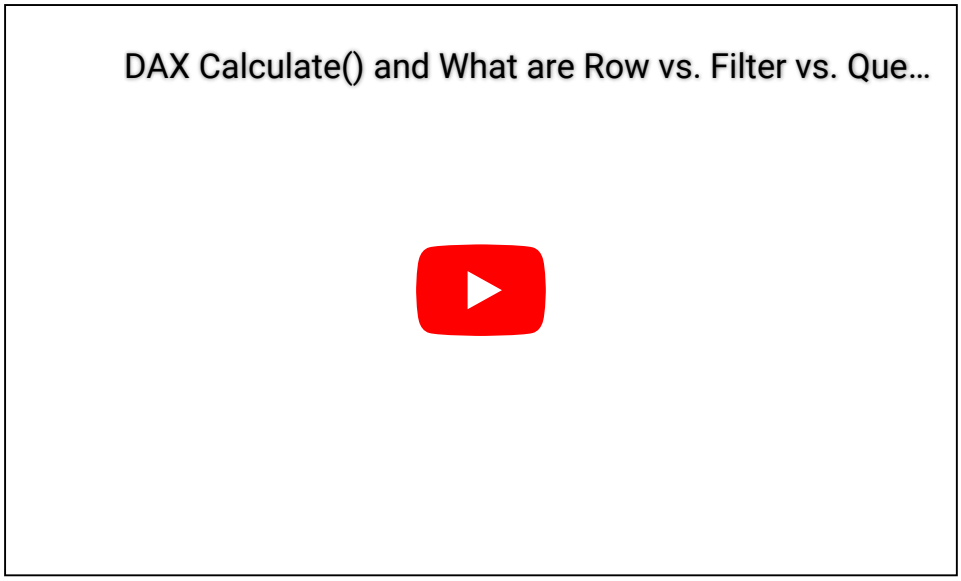
1 DAX - Understanding Contexts Download



Welcome to Unit 3 - DAX

Understanding Contexts

Watch the video on understanding contexts – evaluation, filter and query using the CALCULATE function.

You can try this yourself by downloading the CALCULATE template (at the top). Download these files to use as the data source. The link will open another tab in the browser with the Download option. Extract the files before starting the exercise.

If you are using an older version of Office, you may have difficulty with connecting to Access. There is a folder (Excel version of Access tables) with the same 6 tables in Excel. The FactSales table has been filtered to only have 2016 and 2017 data. When following the exercises, you will have to Connect with Excel for each file.

Create the Contoso Data Model using the 2 Access and 2 Excel files

Create a **table** visual showing ProductSubCategoryName and SalesAmount

Create a table for the measures – click on Enter data on the Home tab of the ribbon

Name the table _Measure – Measures is a reserved word and can not be used for the table name – click Load

Create a measure to calculate US Sales

US Sales =
CALCULATE(SUM(FactSales[SalesAmount]),Geography[RegionCountryName]="Unitec

States")

Add to the visual – note the values are different from SalesAmount

Create a calculated column on the table FactSales to calculate Revenue

Revenue = FactSales[SalesQuantity]*FactSales[SalesAmount]

Add to the visual between SalesAmount and US Sales

Create another measure to calculate US Revenue

US Revenue =
CALCULATE(SUMX(FactSales,FactSales[SalesQuantity]*FactSales[SalesAmount]),Geo
States")

Add to the visual after US Sales

Remember to format the new fields

Add a slicer for the ChannelName

Note how the different contexts affect the values in the visual

Save the file

Watch the demo in **Presentations**.

The completed exercise is in the next **Reading**.

Note

The calculation for Revenue should be Quantity * Unit Price (pointed out to me by an accountant taking the course). The error is mine. Feel free to use the correct formula.

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