Advanced Power BI (June 2024)

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3 Inactive Relationships Download

Inactive Relationships

The USERELATIONSHIP function is for inactive relationships when you want to override the default, active, relationship. This function works well when creating measures. However, read this blog to see why it should not be used to create calculated columns.

Download the PBIX file (at the top) USERELATIONSHIP

Scenario - The Sales table has two relationships with Date. The first, based on Order DateKey, is active. The second one, based on Delivery DateKey, is inactive.

The Challenge – Compute the difference in days between the order date and the delivery date for each row of the Sales table, and report the average of this number for the transactions filtered in a query.

You could create 3 calculated columns in the Sales table (Order Date, Delivery Date, Difference) and then use the AVERAGE function but that can be complicated too.

A measure is much better:

Average Days =

AVERAGEX (Sales,

   CALCULATE (MAXX (Sales, RELATED ('Date'[Date])),

     USERELATIONSHIP ('Date'[DateKey], Sales[DeliveryDateKey]),

     ALL ('Date')) - RELATED ('Date'[Date]))

Watch a demo in **Presentations**.

Check your work in the next **Reading**.