DAX FOR THE SQL DEVELOPER

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KEEP CALM AND BANG YOUR HEAD AGAINST THE WALL

Explore the **DIFFERENCES**
between SQL and DAX

Look at a few problems from
different **PERSPECTIVES**

Get some reading **TIPS**
for your continuous learning journey

84-342 D.C. 1923
MARYLAND 1923

Principal Solutions Architect @ Atea

| Data Platform MVP | Speaker | Blogger |
| Podcaster | Pluralsight author |

ATEA

KNEE-DEEP IN TECH

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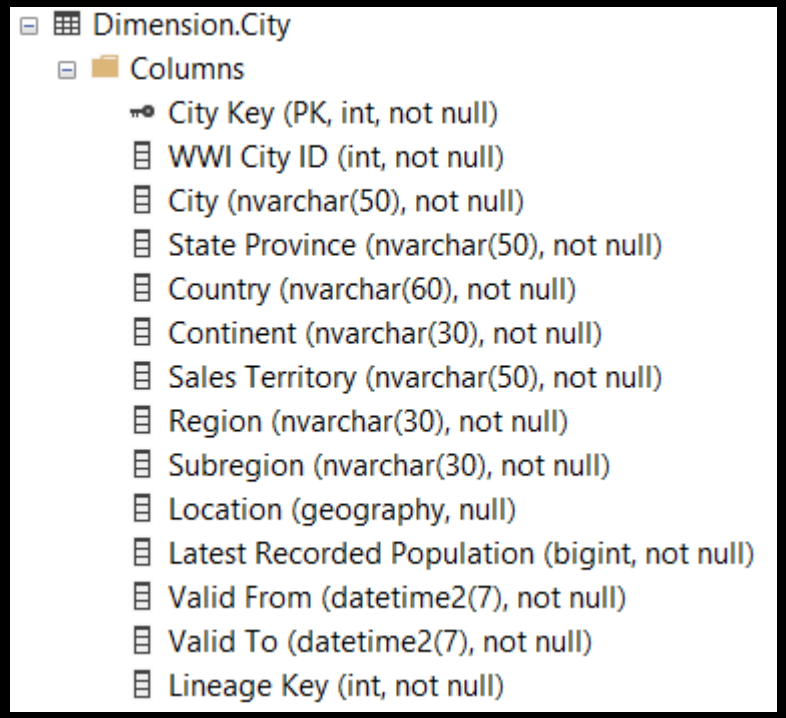
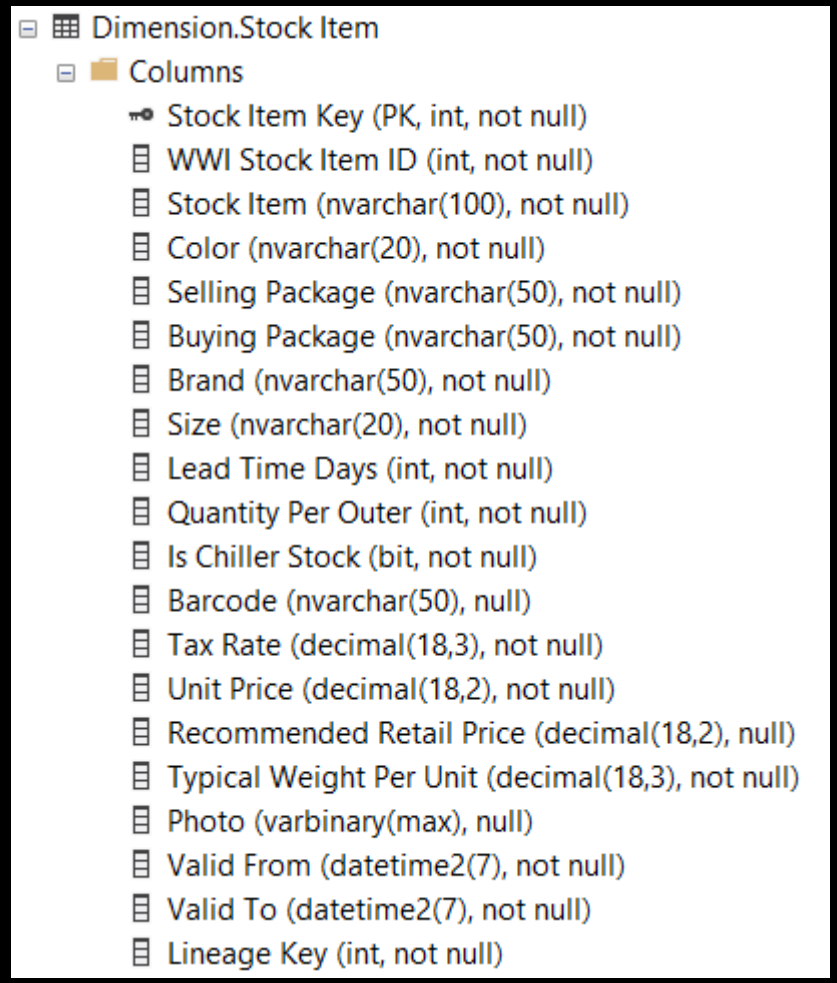
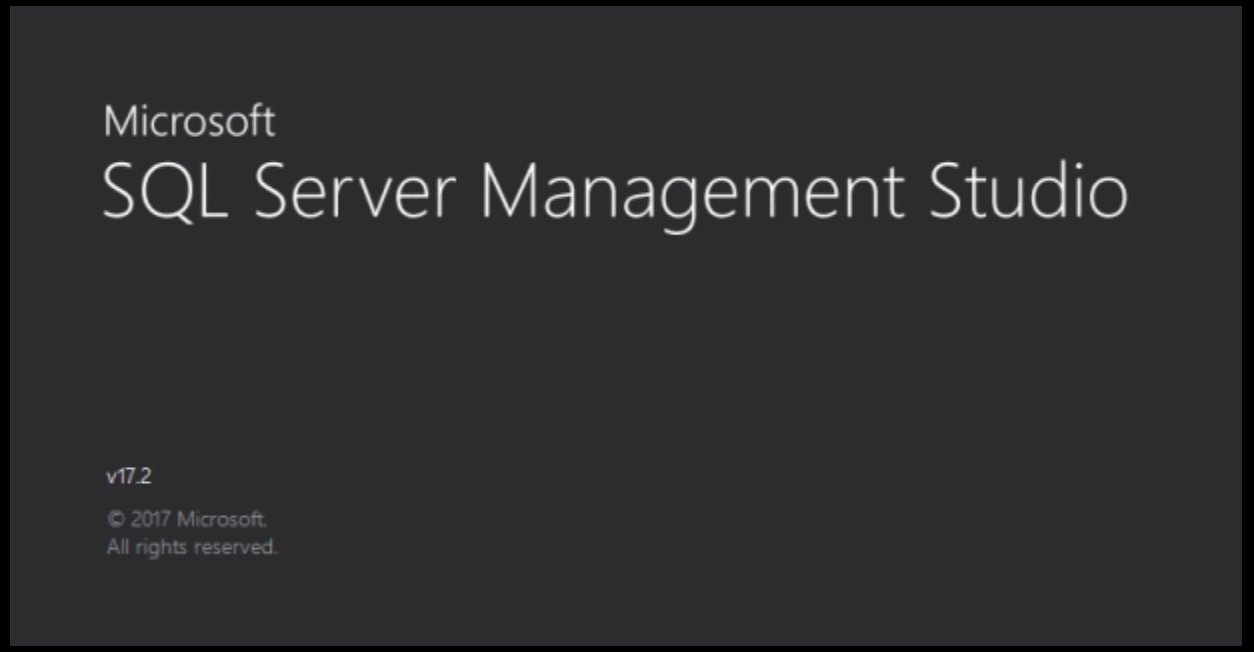

Dimension.City
Columns
City Key (PK, int, not null)
WWI City ID (int, not null)
City (nvarchar(50), not null)
State Province (nvarchar(50), not null)
Country (nvarchar(60), not null)
Continent (nvarchar(30), not null)
Sales Territory (nvarchar(50), not null)
Region (nvarchar(30), not null)
Subregion (nvarchar(30), not null)
Location (geography, null)
Latest Recorded Population (bigint, not null)
Valid From (datetime2(7), not null)
Valid To (datetime2(7), not null)
Lineage Key (int, not null)


Dimension.Stock Item
Columns
Stock Item Key (PK, int, not null)
WWI Stock Item ID (int, not null)
Stock Item (nvarchar(100), not null)
Color (nvarchar(20), not null)
Selling Package (nvarchar(50), not null)
Buying Package (nvarchar(50), not null)
Brand (nvarchar(50), not null)
Size (nvarchar(20), not null)
Lead Time Days (int, not null)
Quantity Per Outer (int, not null)
Is Chiller Stock (bit, not null)
Barcode (nvarchar(50), null)
Tax Rate (decimal(18,3), not null)
Unit Price (decimal(18,2), not null)
Recommended Retail Price (decimal(18,2), null)
Typical Weight Per Unit (decimal(18,3), not null)
Photo (varbinary(max), null)
Valid From (datetime2(7), not null)
Valid To (datetime2(7), not null)
Lineage Key (int, not null)

DAX
STUDIO


Microsoft
SQL Server Management Studio
v17.2
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1. Basic **SELECT**

2. Slightly less basic SELECT

PROJECTION means choosing which columns (or expressions) the query shall return.

3. Basic **SELECT** with **WHERE**

FILTER CONTEXT refers to the set of filters applied to the data model before evaluation starts

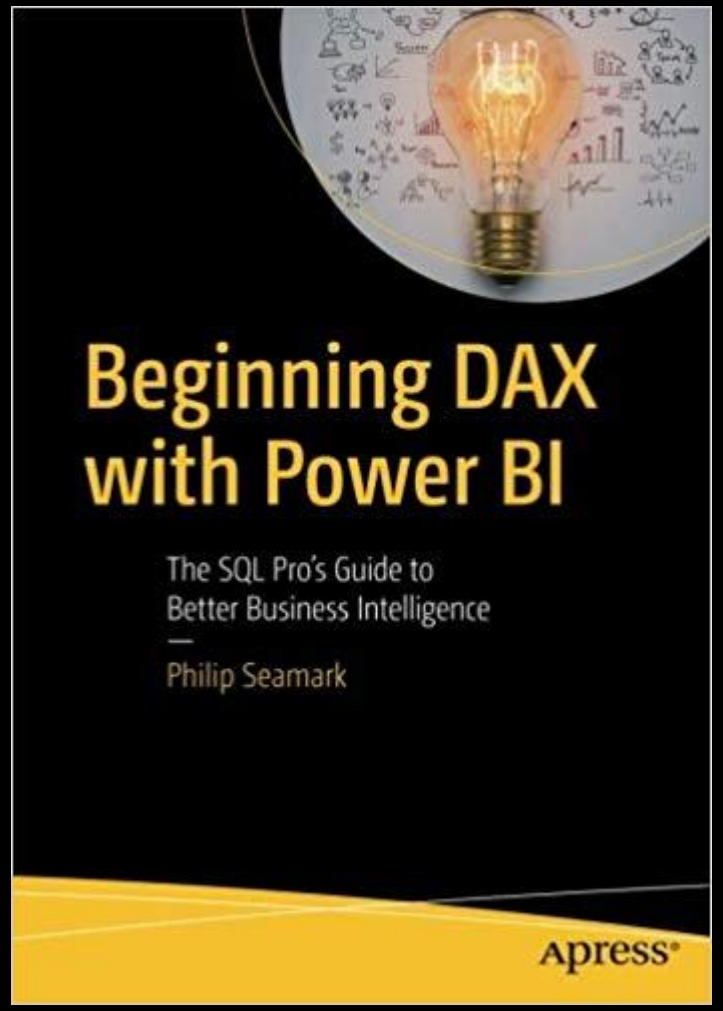
4. Basic **COUNT** with **WHERE**

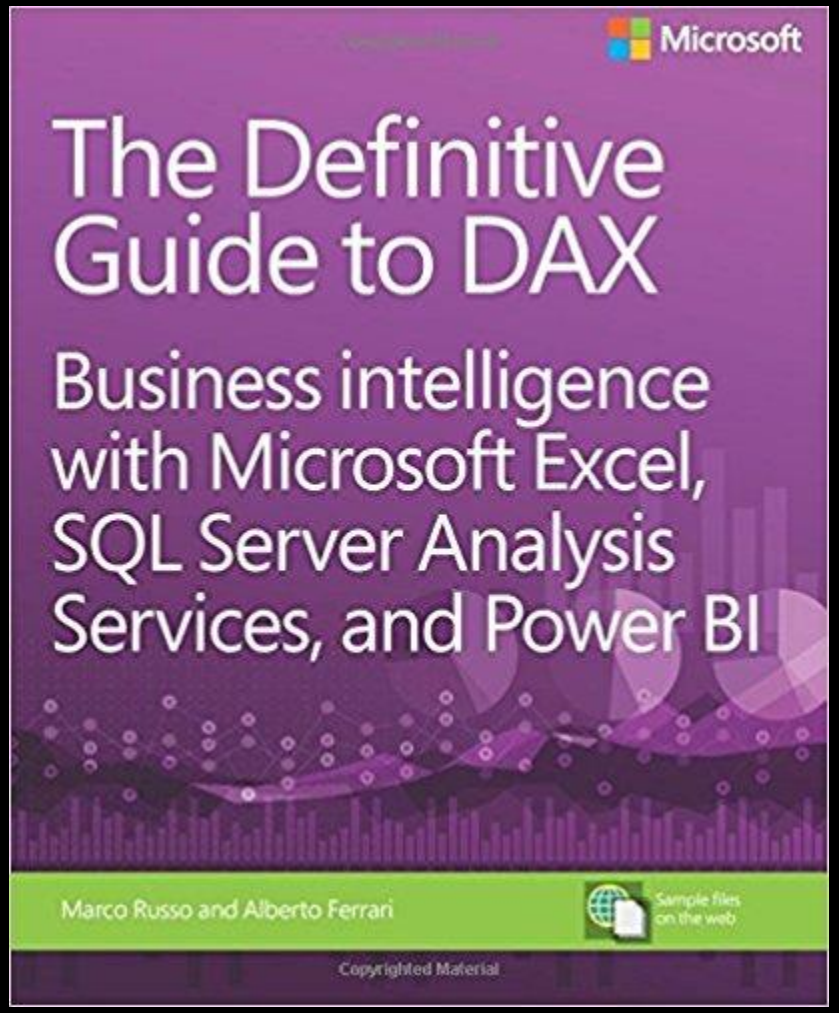
5. Basic **SELECT** with a **CALCULATED COLUMN**

ROW CONTEXT refers to the "current row" of a column

6. Basic **SELECT** with a **GROUP BY**

7. Basic **SELECT** with a **GROUP BY** and **HAVING**


Beginning DAX with Power BI
The SQL Pro's Guide to Better Business Intelligence
Philip Seamark
Apress


Microsoft
The Definitive Guide to DAX
Business intelligence with Microsoft Excel, SQL Server Analysis Services, and Power BI
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Sample files on the web
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FOR MICROSOFT EXCEL: 2010 & 2013
DAX Patterns
2015
ALBERTO FERRARI
MARCO RUSSO
sqlbi

Assumptions will get you
NOWHERE (fast)
Context is KEY
Practice, practice, PRACTICE

Thank you!

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Knee-Deep in Tech