POWER PIVOT

DAX - DATA ANALYSIS EXPRESSIONS

M vs DAX (Data Analysis Expressions)

Application Description Power Query Formula Data Preparation Language M Data Transformation Before Data Model Data Analysis Expression DAX In Data Model

DAX Basics

https://docs.microsoft.com/en-us/dax/ **DAX Reference** Syntax Number Data Types Operators CONCATENATE() **Functions**

Basics

Advanced

DAX Statements

DEFINE

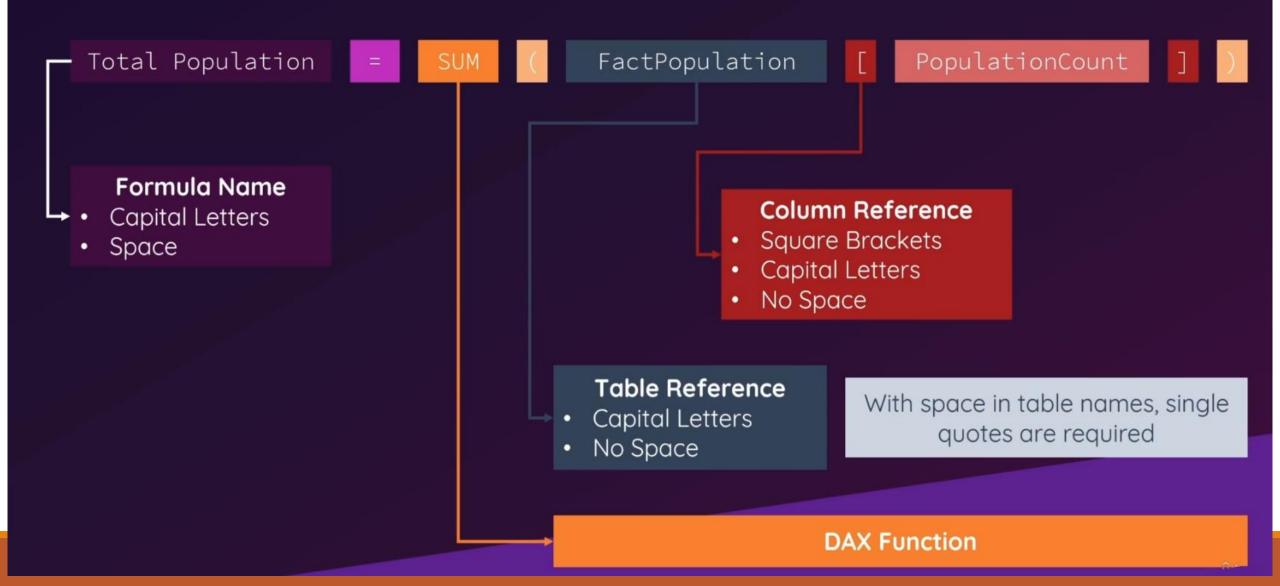
EVALUATE

DRDER BY

VAR

DAX Queries

The Core DAX Syntax



DAX Data Types

String (Text) Whole & Decimal Numbers 564 Boolean TRUE Date/Time Currency Blank (NA)

"The DAX Basics"

949.59

FALSE

January 1st 2020

DAX Operators

Arithmetic	Comparison
+	=
-	==
*	>
/	>=
Λ	<>

Logical &&

Ш

IN

Text concat.

&

DAX Core Functions

Type	Function	Output	
Text	CONCATENATE("I Love Power", "BI")	I Love PowerBI	
Information	ISNUMBER(2020)	TRUE	
Logical	<pre>IF([Population]>100000, "Big", "Small")</pre>	Big	Small
Math	ROUND(352.867, 2)	352.87	
Statistical	AVERAGE(Fact-Pop[Population])		
Filter	FILTER(Fact-Pop[Year]=2020)		
Date & Time	CALENDAR(DATE(2000,01,01),DATE(2020,12,31))		

Calculated Column or Measure?

Calculated Column



Measure

"Perform an operation that generates results for each row of your table"



"Return a single result of a calculation or an aggregated value (e.g. Averages)"

