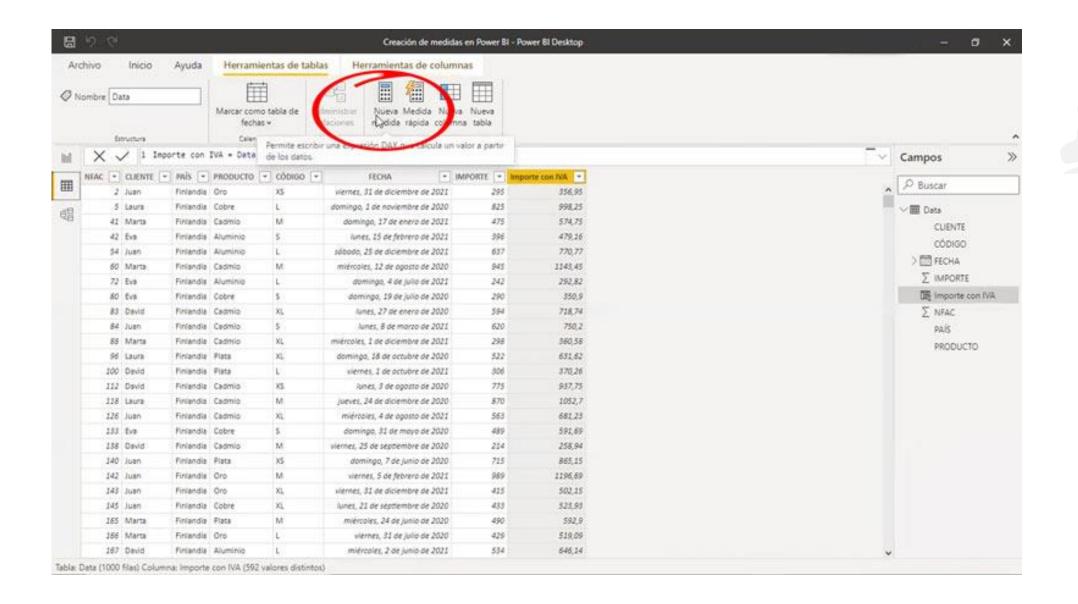
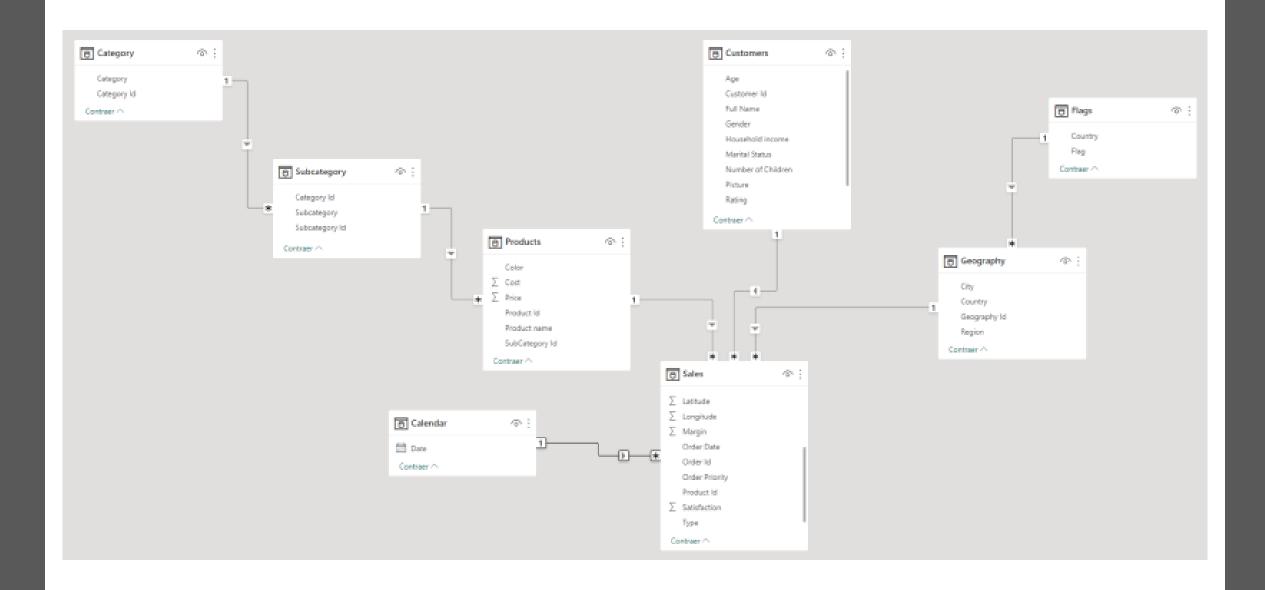


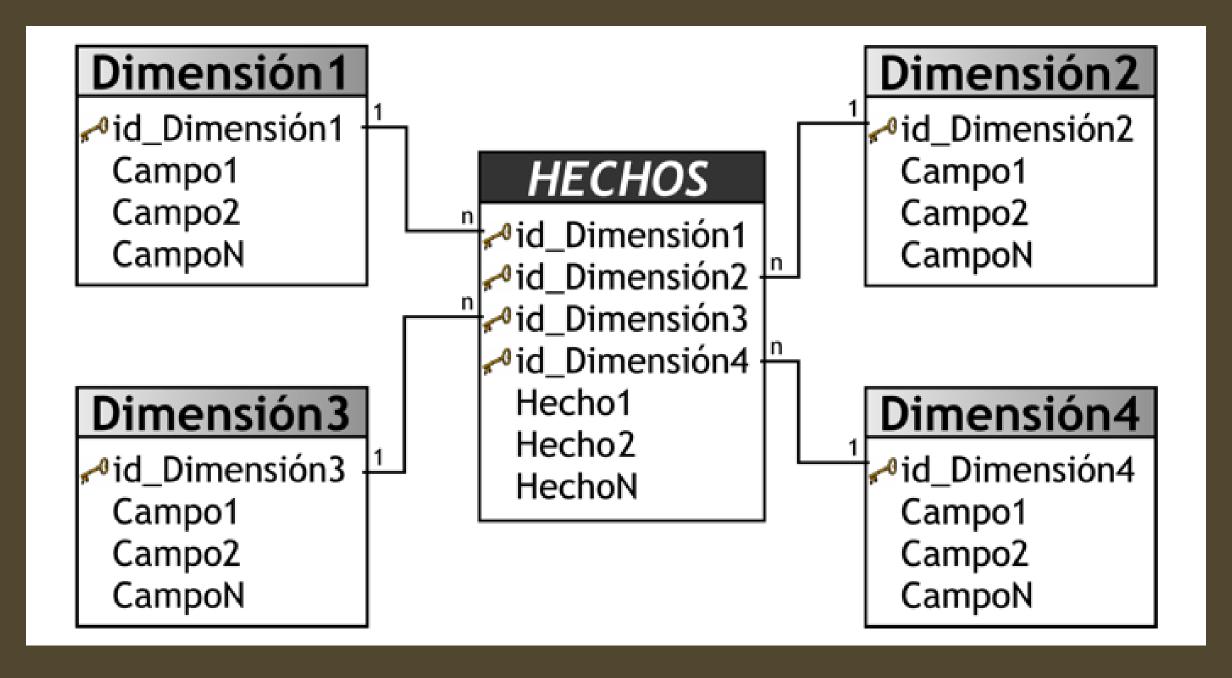
CONTENIDOS

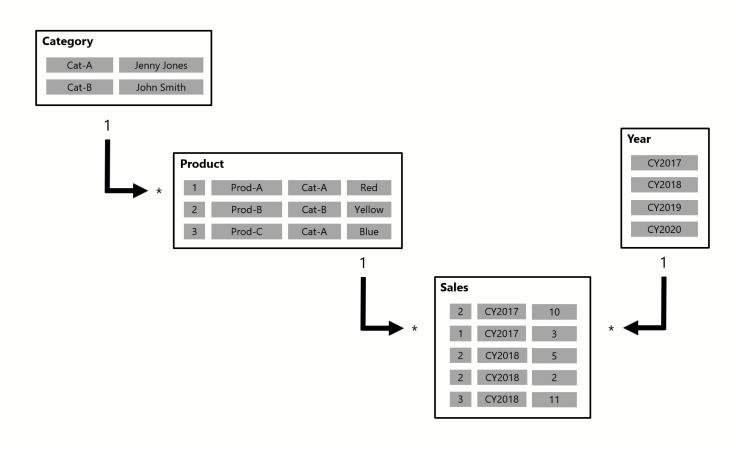
https://github.com /jorloicono/AF-DAX-AVANZADO

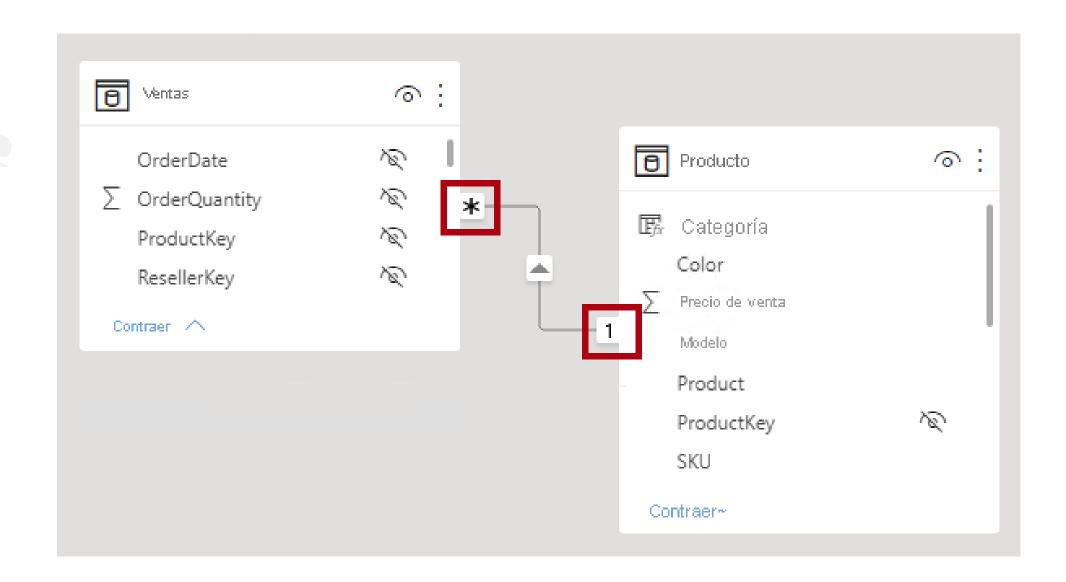














Power BI

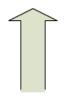


Live Connection

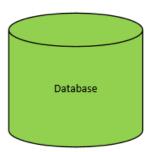




Power BI



Direct Query

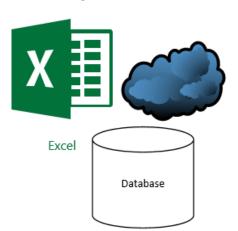


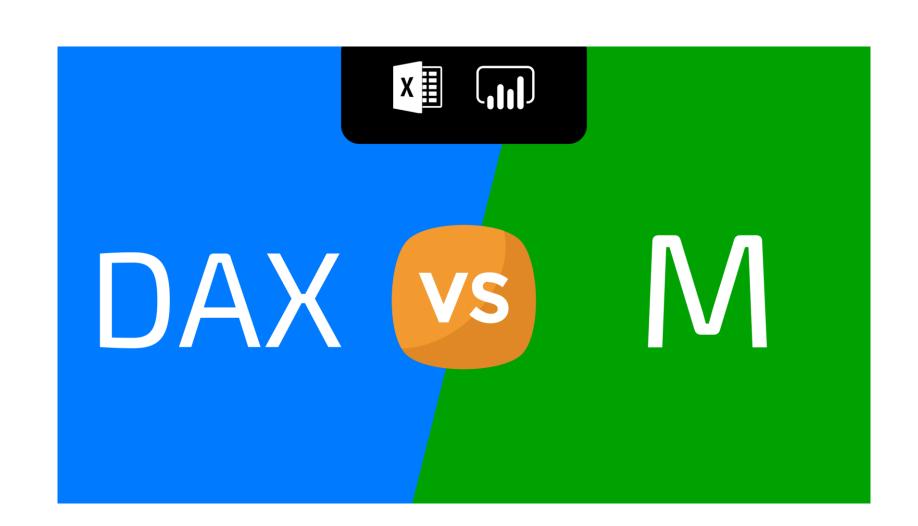


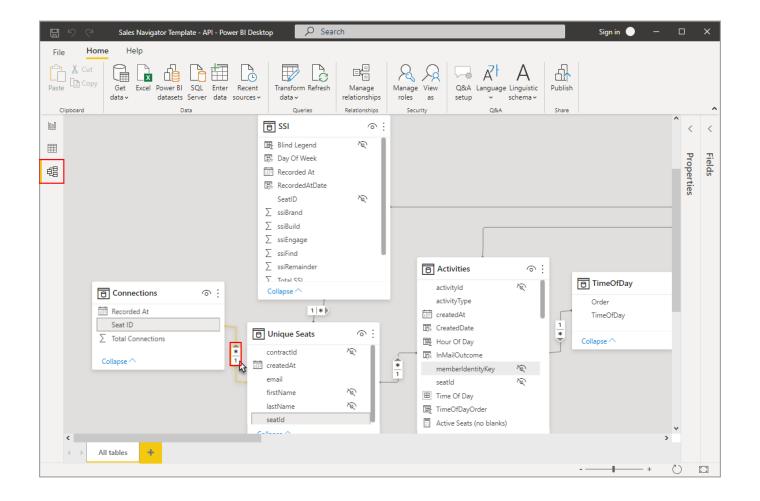
Power BI



Import Data







© datacamp ■ Microsoft **Power BI for Business Intelligence DAX Cheat Sheet**

Math & statistical functions

- SUM(<column>) Adds all the numbers in a column.
- SUHX(, <expression>) Returns the sum of an expression evaluated for each row in a
- · AVERAGE(<column>) Returns the average (arithmetic mean) of all the numbers in a column.
- AVERAGEX(, <expression>) Calculates the average (arithmetic mean) of a set of expressions evaluated over a table.
- · MEDIAN(<column>) Returns the median of a column.
- MEDIANX(, <expression>) Calculates the median of a set of expressions evaluated over a table.
- · GEOMEAN(<column>) Calculates the geometric mean of a column.
- GEOMEANX(, <expression>) Calculates the geometric mean of a set of expressions evaluated over a table.
- · COUNT(<column>) Returns the number of cells in a column that contain non-blank values.
- COUNTX(, <expression>) Counts the number of rows from an expression that evaluates to a non-blank value.
- DIVIDE(<numerator>, <denominator> [,<alternateresult>]) Performs division and returns alternate result or BLANK() on division by $\theta.$
- MIN(<column>) Returns a minimum value of a column.
- MAX(<column>) Returns a maximum value of a column.
- · COUNTROWS([]) Counts the number of rows in a table.
- DISTINCTCOUNT(<column>) Counts the number of distinct values in a column.
- RANKX(, <expression>[, <value>[, <order>[, <ties>]]]) Returns the ranking of a number in a list of numbers for each row in the table argument.

Filter functions

- FILTER(, <filter>) Returns a table that is a subset of another table or
- CALCULATE(<expression>[, <filter1> [, <filter2> [, _]]]) Evaluates an expression in a
 filter context
- HASONEVALUE(<columnName>) Returns TRUE when the context for columnName has been filtered down to one distinct value only. Otherwise it is FALSE.
- ALLNOBLANKROW(| <column>[, <column>[, <column>[,...]]]) Returns a table that is a subset of another table or expression.
- ALL([| <column>[, <column>[, <column>[, _]]]]) Returns all the rows in a table, or all the values in a calumn important any filters that might have been applied.
- ALLEXCEPT(, <column>[, <column>[,...]]) Returns all the rows in a table except for those rows that are affected by the specified column filters.
- REMOVEFILTERS([| <column>][, <column>[, ...]]]]) Clear all filters from designated tables or relumns.

Logical functions

- IF(<logical_test>, <value_if_true>[, <value_if_false>]) Checks a condition, and returns a
 certain value depending on whether it is true or false.
- AND(<logical 1>, <logical 2>) Checks whether both arguments are TRUE, and returns TRUE if both arguments are TRUE. Otherwise, it returns FALSE.
- OR(<logical 1>, <logical 2>) Checks whether one of the arguments is TRUE to return TRUE. The function returns FALSE if both arguments are FALSE.
- NOT(<logical>) Changes TRUE to FALSE and vice versa.
- SWITCH(<expression>, <value>, <result>[, <value>, <result>]_[, <else>]) Evaluates an expression against a list of values and returns one of possible results
- IFERROR(<value>, <value_if_error>) Returns value_if_error if the first expression is an error and the value of the expression itself otherwise.

Date & time functions

- · DATE(<vear>. <month>. <day>) Returns the specified date in datetime format.
- DATEDIFF(<date_1>, <date_2>, <interval>) Returns the number of units between two dates as
 defined in <interval>.
- · DATEVALUE(<date_text>) Converts a date in text to a date in datetime format.
- · DAY(<date>) Returns a number from 1 to 31 representing the day of the month.
- · WEEKNUM(<date>) Returns weeknumber in the year.
- · MONTH(<date>) Returns a number from 1 to 12 representing a month
- · QUARTER(<date>) Returns a number from 1 to 4 representing a quarter.

Time intelligence functions

- DATEADD(<dates>, <number_of_intervals>, <interval>) Moves a date by a specific interval.
- · DATESBETWEEN(<dates>, <date 1>, <date 2>) Returns the dates between specified dates
- TOTALYTD(<expression>, <dates>[, <filter>][, <year_end_date>]) Evaluates the year-to-date value of the expression in the current context.
- SAMEPERIODLASTYEAR(<dates>) Returns a table that contains a column of dates shifted one
 year back in time.
- STARTOFHONTH(<dates>) // ENDOFMONTH(<dates>) Returns the start // end of the month. • STARTOFQUARTER(<dates>) // ENDOFQUARTER(<dates>) Returns the start // end of the quarter.
- · STARTOFYEAR(<dates>) // ENDOFYEAR(<dates>) Returns the start // end of the quarter.

Relationship functions

- CROSSFILTER(<left_column>, <right_column>, <crossfiltertype>) Specifies the cross-filtering direction to be used in a calculation.
- · RELATED(<column>) Returns a related value from another table.

Table manipulation functions

- SUMMARIZE(, <groupBy_columnName>[, <groupBy_columnName>]...[, <name>, <expression>]...]
 Returns a summary table for the requested totals over a set of groups.
- DISTINCT() Returns a table by removing duplicate rows from another table or
- ADDCOLUMNS(, <name>, <expression>[, <name>, <expression>]...) Adds calculated columns to the given table or table expression.
- SELECTCOLUMNS(, <name>, <expression>[, <name>, <expression>]..) Selects calculated columns from the given table or table expression.
- GROUPBY([, <groupBy_columnName>[, [<column_name>] [<expression>]]_) Create a summary of the input table grouped by specific columns.
- INTERSECT(<left_table>, <right_table>) Returns the rows of the left-side table that appear
 in the right-side table
- · NATURALINNERJOIN(<left_table>, <right_table>) Joins two tables using an inner join.
- · NATURALLEFTOUTERJOIN(<left_table>, <right_table>) Joins two tables using a left outer join · UNION(, [, [, _]]) Returns the union of tables with matching columns.

Text functions

- EXACT(<text_1>, <text_2>) Checks if two strings are identical (EXACT() is case sensitive).
- FIND(<text_tofind>, <in_text>) Returns the starting position a text within another text · FORMAT(<value>, <format>) Converts a value to a text in the specified number format.
- · LEFT(<text>, <num_chars>) Returns the number of characters from the start of a string.
- · RIGHT(<text>, <num_chars>) Returns the number of characters from the end of a string. · LEN(<text>) Returns the number of characters in a string of text.
- · LOWER(<text>) Converts all letters in a string to lowercase.
- · UPPER(<text>) Converts all letters in a string to uppercase.
- · TRIM(<text>) Remove all spaces from a text string.
- CONCATENATE(<text_1>, <text_2>) Joins two strings together into one string.
- SUBSTITUTE(<text>, <old_text>, <new_text>, <instance_num>)
 Replaces existing text with new text in a string.
- REPLACE(<old_text>, <start_posotion>, <num_chars>, <new_text>) Replaces part of a string with

Information functions

- COLUMNSTATISTICS() Returns statistics regarding every column in every table. This function has no arguments.
- . NAMEOF(<value>) Returns the column or measure name of a value.
- ISBLANK(<value>) // ISERROR(<value>) Returns whether the value is blank // an error.
- ISLOGICAL(<value>) Checks whether a value is logical or not.
- · ISNUMBER(<value>) Checks whether a value is a number or not
- ISCROSSFILTERED(| <column>) Returns true when there are crossfilters on a column.
- USERPRINCIPALNAME() Returns the user principal name or email address. This function has no arguments.

DAX statements

- VAR(<name> = <expression>) Stores the result of an expression as a named variable. To return the variable, use RETURN after the variable is defined.
- COLUMN([<column>] = <expression>) Stores the result of an expression as a column in
- ORDER BY([<column>]) Defines the sort order of a column. Every column can be sorted in ascending (ASC) or descending (DESC) way.

DAX Operators

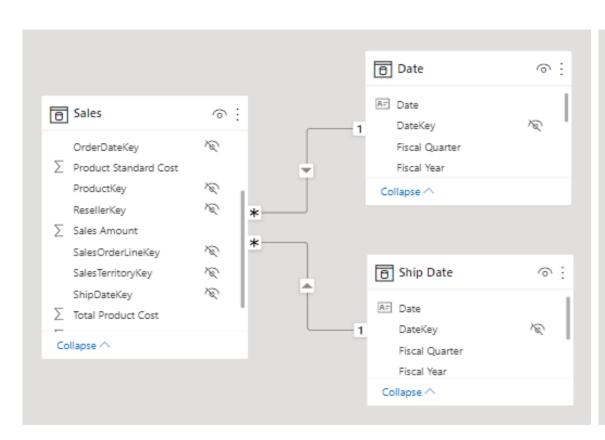
Comparison operators	Meaning
=	Equal to
= =	Strict equal to
>	Greater than
<	Smaller than
> =	Greater than or equal to
= <	Smaller than or equal to
< >	Not equal to

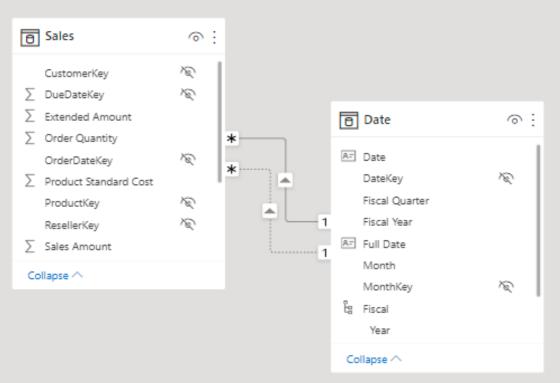
Text operator	Meaning	Example	
&	Concatenates text values	Concatenates text values [City]&",	

Logical operator		
8.8	AND condition	([City] = "Bru") && ([Return] = "Yes"))
Ш	OR condition	([City] = "Bru") ([Return] = "Yes"))
IN {}	OR condition for each row	Product[Color] IN {"Red", "Blue", "Gold"}

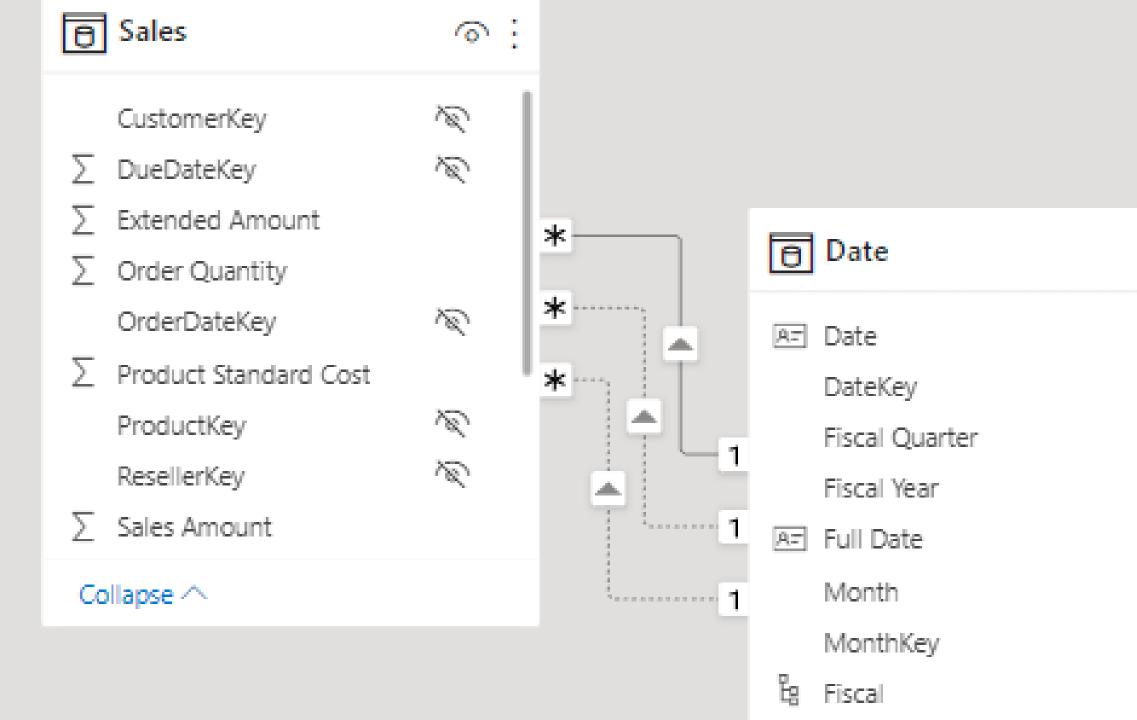
Learn Data Skills Online at www.DataCamp.com

Active StoreName	Sales Amount	^	≺	/isi	, ocaron
Contoso Wapato Store	\$16,427,512.9295		Ξ.	ual	☐ ≥ DiscountAmount
Contoso Warsaw Store	\$15,142,181.7609		Filters	alizations	☐ ∑ DiscountQuant
Contoso Waterbury Store	\$15,104,327.8925		S	€.	
Contoso Waukesha No.1 Store	\$16,032,441.5125			Š	☐ ∑ ReturnAmount
Contoso Waukesha No.2 Store	\$16,448,330.8045				☐ ∑ ReturnQuantity
Contoso West Yorkshire Store	\$15,165,663.891				✓ SalesAmount
Contoso Westminster Store	\$15,266,782.0765				
Contoso Wheat Ridge Store	\$16,117,648.774				☐ ∑ SalesQuantity
Contoso Winchester Store	\$15,563,992.0475				☐ ∑ TotalCost
Contoso Worcester No.1 Store	\$15,388,242.957				□ ∑ UnitCost
Contoso Yakima Store	\$16,266,888.313				
Contoso Yerevan Store	\$26,084,935.2425				□ ∑ UnitPrice
Contoso Yokohama Store	\$25,311,723.6245				∨ ■ Stores
Contoso York Store	\$14,926,059.9838				✓ 原: Active StoreNa
Inactive	\$189,962,742.7355	~			
Total	\$8,341,224,364.8324				CloseReason
					□ ∑ EmploveeCount





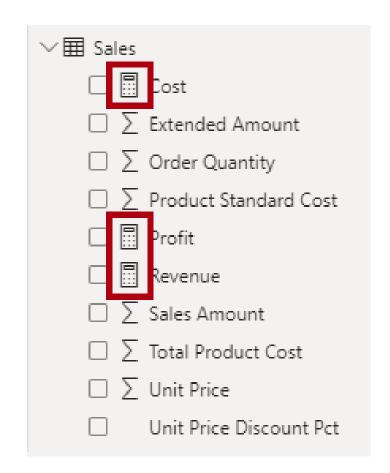
DIMENSIONES REALIZADORAS DE ROLES



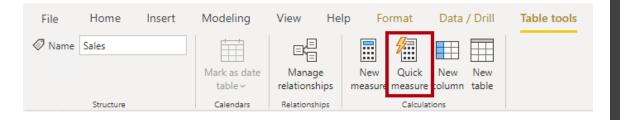
SO.

D



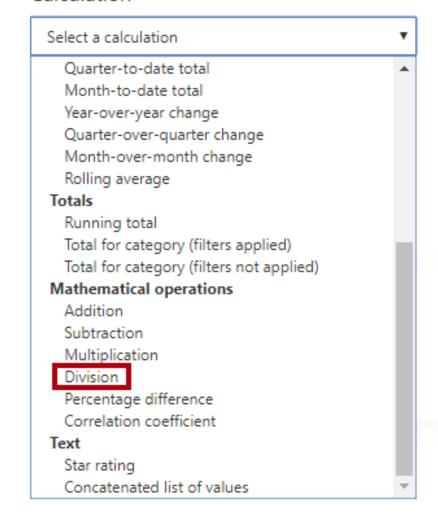


Medidas rápidas Cálculo División Permite calcular la ratio de un valor a otro. Más información Numerador Profit Profit X Denominador Revenue X



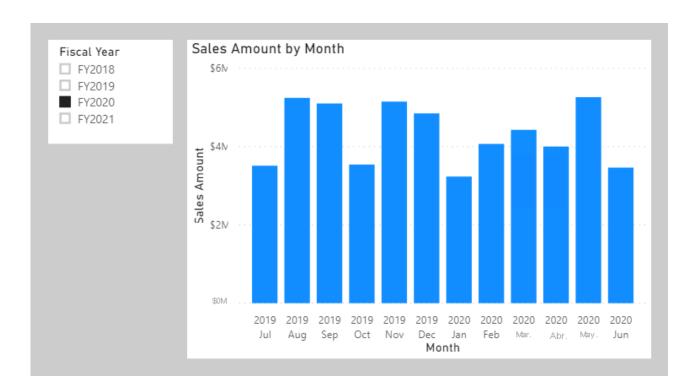
Quick measures

Calculation





CONTEXTO



Region	Revenue	Revenue % Total Region
Australia	\$10,655,335.96	9.70%
Canada	\$16,355,770.46	14.89%
Central	\$7,909,009.01	7.20%
France	\$7,251,555.65	6.60%
Germany	\$4,878,300.38	4.44%
Northeast	\$6,939,374.48	6.32%
Northwest	\$16,084,942.55	14.65%
Southeast	\$7,879,655.07	7.18%
Southwest	\$24,184,609.60	22.02%
United Kingdom	\$7,670,721.04	6.99%
Total	\$109,809,274.20	100.00%

Brand	Sales Amount	Red Sales	
A. Datum	147,687.44		Brand = "Contoso"
Adventure Works	2,761,057.66	60,090.42	
Contoso	2,227,244.32	169,266.67	
Fabrikam	990,275.08	53,228.82	Brand = "Contoso"
Litware	506,104.50	15,945.55	Color = "Red"
Northwind Traders	119,857.67	6,669.86	
Proseware	956,335.76	9,732.21	
Southridge Video	776,807.78	11,985.40	
Tailspin Toys	79,159.15	2,570.08	
The Phone Company	1,976,180.03		
Wide World Importers	1,796,930.99	33,112.30	
Total	12,337,640.39	382,601.32	

```
Red Sales :=
CALCULATE (
     [Sales Amount],
     'Product'[Color] = "Red"
)
```

CALCULATE

```
Promedio Modificado Edad de los Conductores =

CALCULATE(AVERAGE(users[Edad al Momento del Accidente]),

users[Birthday]<>BLANX(), -- IER FILTRO DONDE EXCLUYE LAS PERSONAS QUE NO TIENEN FECHA DE NACIMIENTO

users[Edad al Momenta del Accidente] >18) -- 200 FILTRO PERSONAS > 0 AÑOS
```

Promedio Simple de las edades de los conductores al momento del accidente.

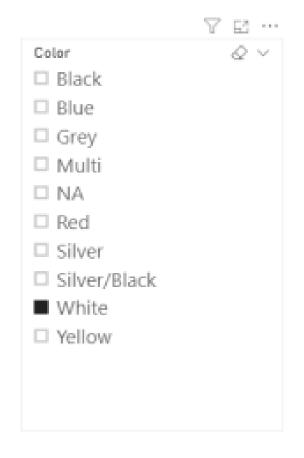
39.78

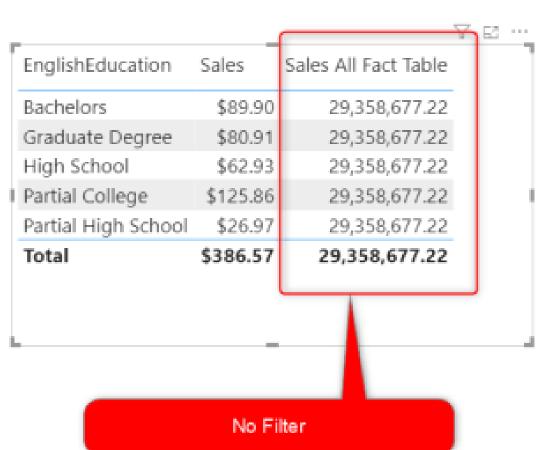
Promedio Simple Estad de los Conductores

Promedio modificado por conexto de las edades de los conductores al momento del accidente siempre y cuando exista una fecha de nacimiento

40.55

romedio Modificado Edad de los Conductores





EnglishPromotionName □ Half-Price Pedal Sale LL Road Frame Sale □ Mountain Tire Sale ■ Mountain-100 Cleara ☐ Mountain-500 Silver □ No Discount □ Road-650 Overstock ☐ Sport Helmet Discou □ Sport Helmet Discou ☐ Touring-1000 Promo □ Touring-3000 Promo ■ Volume Discount 11 □ Volume Discount 15 □ Volume Discount 25 □ Volume Discount 41 □ Volume Discount ove

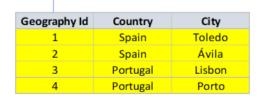
CONTEXTO DE FILTRO

Order I d	Date	Subcategory Id	Geography Id	Units
1	01/01/2022	2	1	2
2	01/01/2022	1	3	1
3	02/01/2022	3	2	3
4	02/01/2022	1	4	2
5	03/01/2022	4	2	4
6	04/01/2022	2	1	3
7	05/01/2022	1	4	1

Order I d	Date	Subcategory Id	Geography Id	Units
1	01/01/2022	2	1	2
2	01/01/2022	1	3	1
3	02/01/2022	3	2	3
4	02/01/2022	1	4	2
5	03/01/2022	4	2	4
6	04/01/2022	2	1	3
7	05/01/2022	1	4	1

Order Id	Date	Subcategory Id	Geography Id	Units
1	01/01/2022	2	1	2
2	01/01/2022	1	3	1
3	02/01/2022	3	2	3
4	02/01/2022	1	4	2
5	03/01/2022	4	2	4
6	04/01/2022	2	1	3
7	05/01/2022	1	4	1

Order Id	Date	Subcategory Id	Geography Id	Units
1	01/01/2022	2	1	2
2	01/01/2022	1	3	1
3	02/01/2022	3	2	3
4	02/01/2022	1	4	2
5	03/01/2022	4	2	4
6	04/01/2022	2	1	3
7	05/01/2022	1	4	1



OrderId	Date	Subcategory Id	Geography Id	Units
1	01/01/2022	2	1	2
2	01/01/2022	1	3	1
3	02/01/2022	3	2	3
4	02/01/2022	1	4	2
5	03/01/2022	4	2	4
6	04/01/2022	2	1	3
7	05/01/2022	1	4	1

Geography Id	Country	City
1	Spain	Toledo
2	Spain	Ávila
3	Portugal	Lisbon
4	Portugal	Porto

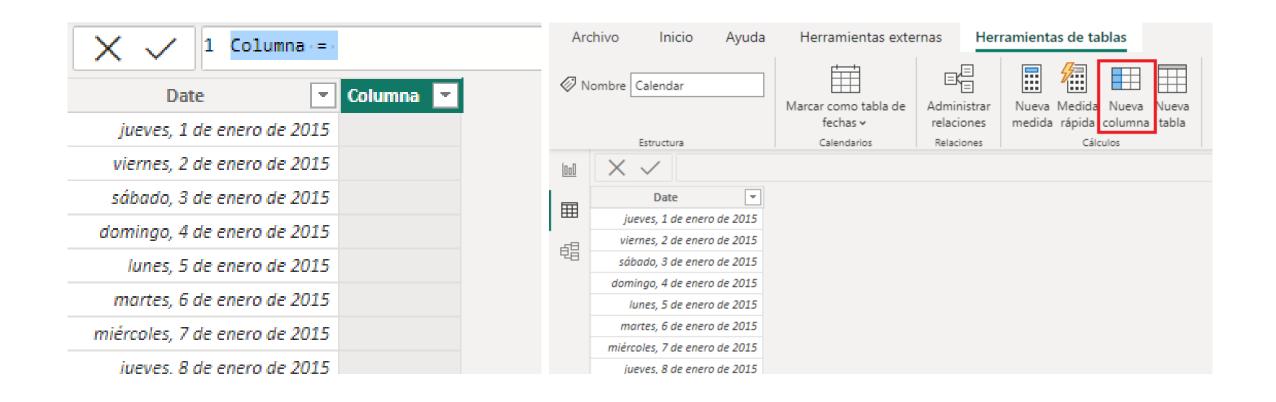
Order Id	Date	Subcategory Id	Geography Id	Units
1	01/01/2022	2	1	2
2	01/01/2022	1	3	1
3	02/01/2022	3	2	3
4	02/01/2022	1	4	2
5	03/01/2022	4	2	4
6	04/01/2022	2	1	3
7	05/01/2022	1	4	1



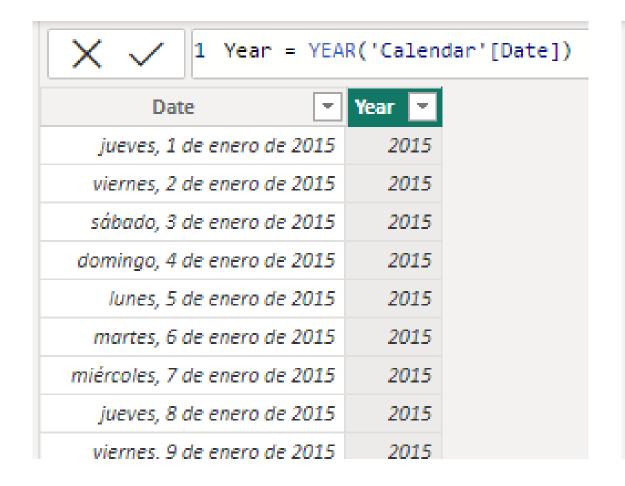
OrderId	Date	Subcategory Id	Geography Id	Units
1	01/01/2022	2	1	2
2	01/01/2022	1	3	1
3	02/01/2022	3	2	3
4	02/01/2022	1	4	2
5	03/01/2022	4	2	4
6	04/01/2022	2	1	3
7	05/01/2022	1	4	1

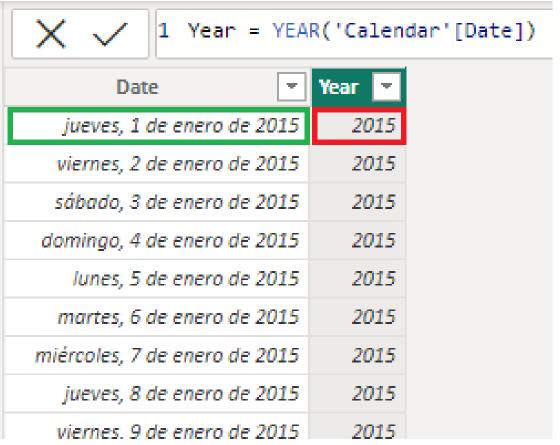
Geography Id	Country	City
1	Spain	Toledo
2	Spain	Ávila
3	Portugal	Lisbon
4	Portugal	Porto

Order Id	Date	Subcategory Id	Geography Id	Units
1	01/01/2022	2	1	2
2	01/01/2022	1	3	1
3	02/01/2022	3	2	3
4	02/01/2022	1	4	2
5	03/01/2022	4	2	4
6	04/01/2022	2	1	3
7	05/01/2022	1	4	1



CONTEXTO DE FILA





/\ \	Subcategory Sales CALCULATE(SUM(Sales[Amou			
Subcategory Id 🔻	Subcategory -	Category Id 🔻	Category 💌	Subcategory Sales 🔻
1	Servers	1	Hardware	149285,1205
2	Monitors	1	Hardware	159865,4967
3	Computers	1	Hardware	42800,4569
4	OS	2	Software	69726,6933
5	CRM	2	Software	45067,8867
6	Tables	3	Furniture	99483,2931
7	Chairs	3	Furniture	87082,0182
8	Racks	3	Furniture	113131,0494
9	Project Management	4	Services	82452,6832
10	Development	4	Services	138052,8701

X V 1 Subcategory Sales = SUM(Sales[Amount])				
Subcategory Id 💌	Subcategory	Category Id 🔻	Category -	Subcategory Sales
1	Servers	1	Hardware	986947,5681
2	Monitors	1	Hardware	986947,5681
3	Computers	1	Hardware	986947,5681
4	OS	2	Software	986947,5681
5	CRM	2	Software	986947,5681
6	Tables	3	Furniture	986947,5681
7	Chairs	3	Furniture	986947,5681
8	Racks	3	Furniture	986947,5681
9	Project Management	4	Services	986947,5681
10	Development	4	Services	986947,5681

Subcategory Id 🔻	Subcategory	Category Id
1	Servers	1
2	Monitors	1
3	Computers	1
4	os	2
5	CRM	2
6	Tables	3
7	Chairs	3
8	Racks	3
9	Project Management	4
10	Development	4





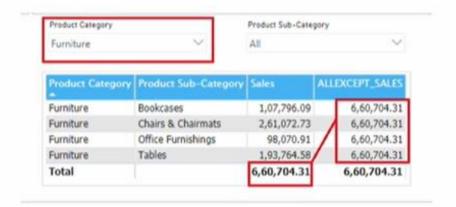
DAX ALLSELECTED

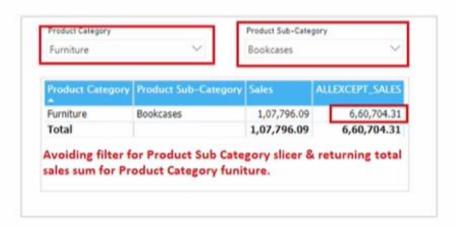
Devuelve todas las filas de una tabla o todos los valores de una columna, ignorando cualquier filtro que se haya aplicado dentro de la consulta, pero manteniendo los filtros que provienen del exterior.



DAX ALLEXCEPT

Devuelve todas las filas de una tabla excepto aquellas filas que se ven afectadas por los filtros de columna especificados.





DAX DISTINCT

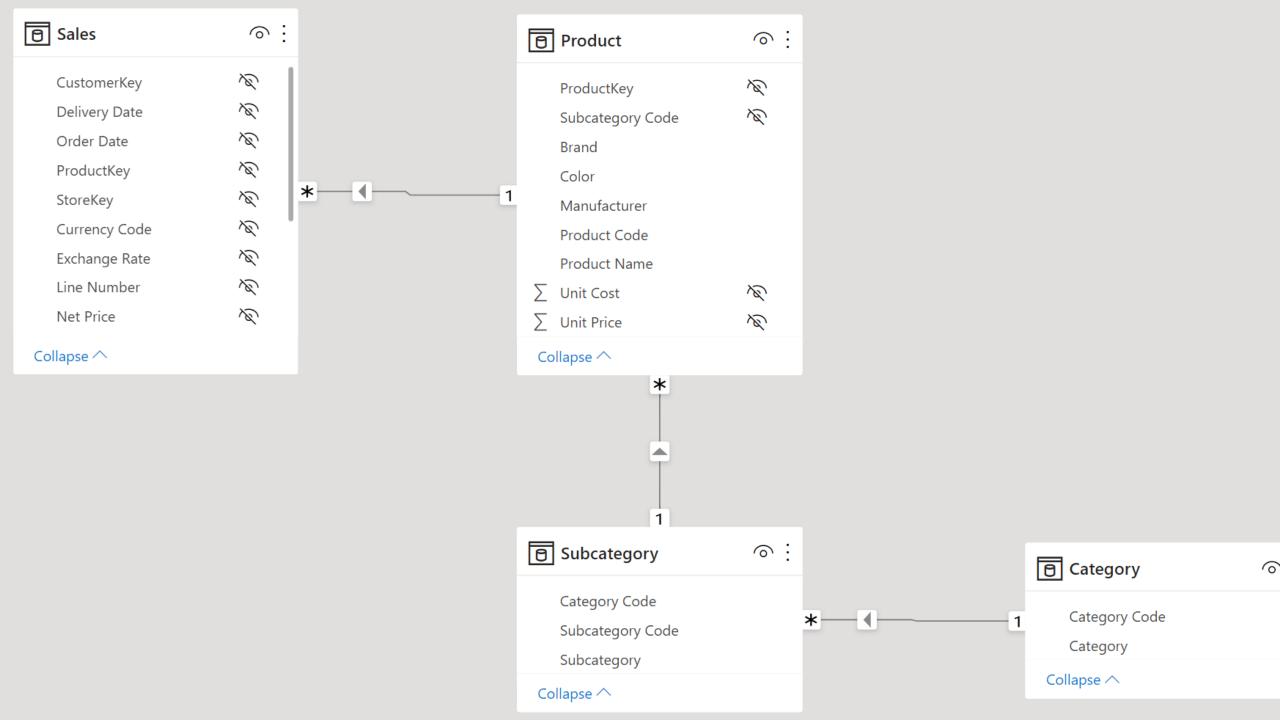
La función DISTINCT tiene dos facetas, es decir, tiene dos variantes en su único argumento/parámetro:

- Primera Faceta: En su único parámetro recibe una columna de alguna tabla en el modelo de datos para de allí retornar los valores únicos de dicha columna respetando el contexto de filtro.
- · Segunda Faceta: En su único parámetro recibe una expresión de tabla, en tal caso retorna la tabla con las mismas columnas y Remueve filas duplicadas respetando el contexto de filtro

```
Total Sales YoY Growth % =
   VAR TotalSales = SUM('Internet Sales'[Sales Amount])
   VAR TotalSalesPP =
        CALCULATE(
            SUM('Internet Sales'[Sales Amount]),
            PARALLELPERIOD('Date'[Date],-12,MONTH)
   VAR TotalSalesVariance = TotalSales - TotalSalesPP
   VAR Result = DIVIDE(TotalSalesVariance, TotalSalesPP)
    RETURN
    Result
```

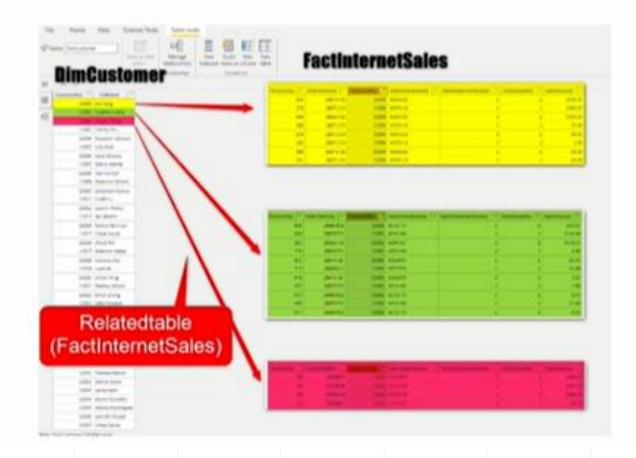
1 Total Ventas = SUMX(Ventas; Ventas[PRECIO] * Ventas[CANTIDAD])

Producto	Precio	Cantidad	Total Ventas
Mandarina	15	17	255
Melón	20	10	200
Naranja	25	5	125
Total	60	32	580



DAX RELATED TABLES

Devuelve las tablas relacionadas filtradas para que solo incluya las filas relacionadas.







TIME INTELLIGENCE

Year	Revenue	Revenue YTD
☐ FY2018	\$23,860,891.17	\$23,860,891.17
2017 Jul	\$1,423,357.32	\$1,423,357.32
2017 Aug	\$2,057,902.45	\$3,481,259.78
2017 Sep	\$2,523,947.55	\$6,005,207.32
2017 Oct	\$561,681.48	\$6,566,888.80
2017 Nov	4,764,920.16	\$11,331,808.96
2017 Dec	\$596,746.56	\$11,928,555.52
2018 Jan	\$1,327,674.63	\$13,256,230.15
2018 Feb	\$3,936,463.31	\$17,192,693.45
2018 Mar	\$700,873.18	\$17,893,566.64
2018 Apr	\$1,519,275.24	\$19,412,841.88
2018 May	\$2,960,378.09	\$22,373,219.97
2018 Jun	\$1,487,671.19	\$23,860,891.17
☐ FY2019	\$34,070,108.50	\$34,070,108.50
2018 Jul	\$2,939,691.00	\$2,939,691.00
2018 Aug	\$3,964,801.20	\$6,904,492.20
2018 Sep	\$3,287,605.93	\$10,192,098.13

Resúmenes a lo largo del tiempo

Un grupo de las funciones de inteligencia de tiempo de DAX está relacionado con los resúmenes a lo largo del tiempo:

- DATESYTD: devuelve una tabla de una sola columna que contiene las fechas para anual hasta la fecha (YTD) en el contexto de filtro actual. En este grupo también se incluyen las funciones DATESMTD y DATESQTD de DAX para mes hasta la fecha (MTD) y trimestre hasta la fecha (QTD). Puede pasar estas funciones como filtros en la función CALCULATE de DAX.
- TOTALYTD: evalúa una expresión para YTD en el contexto de filtro actual. También se incluyen las funciones QTD y
 MTD de DAX de TOTALQTD y TOTALMTD.
- DATESBETWEEN: devuelve una tabla que contiene una columna de fechas que empieza con una fecha de inicio determinada y sigue hasta una fecha de finalización concreta.
- DATESINPERIOD: devuelve una tabla que contiene una columna de fechas que comienza con una fecha de inicio determinada y continúa con un número de intervalos especificado.

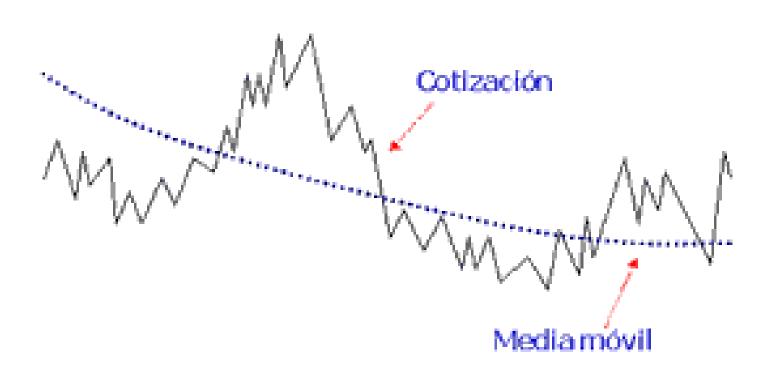
Comparaciones a lo largo del tiempo

Otro grupo de las funciones de inteligencia de tiempo de DAX se relaciona con el desplazamiento de períodos de tiempo:

- DATEADD: devuelve una tabla que contiene una columna de fechas, desplazada cada una de ellas hacia delante o
 hacia atrás en el tiempo de acuerdo con el número especificado de intervalos de fechas en el contexto de filtro
 actual.
- PARALLELPERIOD: devuelve una tabla que contiene una columna de fechas que representa un período que es
 paralelo a las fechas de la columna de fechas especificada, en el contexto de filtro actual, con las fechas desplazadas
 varios intervalos hacia adelante o hacia atrás en el tiempo.
- SAMEPERIODLASTYEAR: devuelve una tabla que contiene una columna de fechas que se desplaza un año atrás con respecto a las fechas de la columna de fechas especificada en el contexto de filtro actual.
- Muchas funciones auxiliares de DAX para ir hacia atrás o hacia delante en períodos de tiempo específicos, todas las cuales devuelven una tabla de fechas. Estas funciones auxiliares incluyen NEXTDAY, NEXTMONTH, NEXTQUARTER, NEXTYEAR y PREVIOUSDAY, PREVIOUSMONTH, PREVIOUSQUARTER y PREVIOUSYEAR.

Cuantifica la cantidad de accidentes que ocurrieron en 2016 y determina el porcentaje de incremento / decremento vs el año previo (2015)V E ... IM O Int O Conteo Simple de Accidentes Recuento de Accident_ID por Año P Año 25,044 Ab mil 2013 Conteo de Accidentes PY 27,181 M O % Variación -7.86 % 20 mil 10 mil

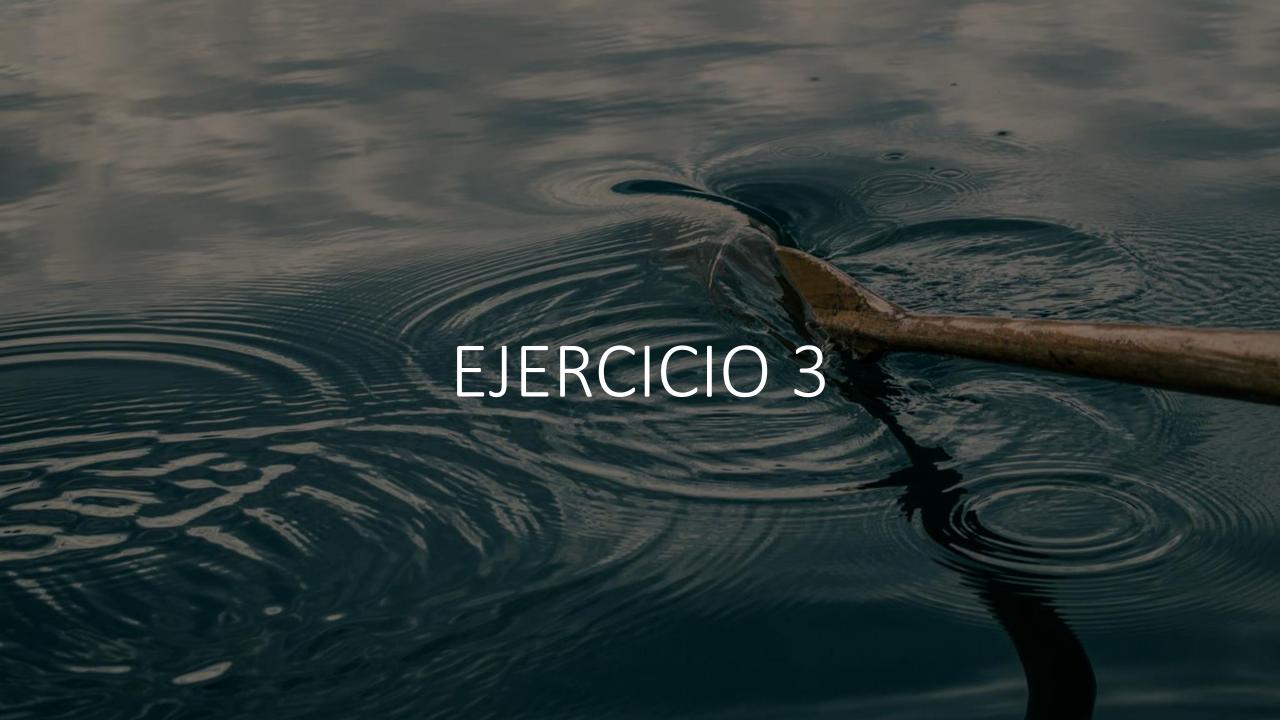
MEDIA MOVIL





Year	Revenue	Revenue YTD	Revenue YoY %	New	Customers
□ FY2018	\$23,860,891.17	\$23,860,891.17			2,459
2017 Jul	\$1,423,357.32	\$1,423,357.32			289
2017 Aug	\$2,057,902.45	\$3,481,259.78			159
2017 Sep	\$2,523,947.55	\$6,005,207.32			161
2017 Oct	\$561,681.48	\$6,566,888.80			174
2017 Nov	\$4,764,920.16	\$11,331,808.96			230
2017 Dec	\$596,746.56	\$11,928,555.52			188
2018 Jan	\$1,327,674.63	\$13,256,230.15			193
2018 Feb	\$3,936,463.31	\$17,192,693.45			177
2018 Mar	\$700,873.18	\$17,893,566.64			219
2018 Apr	\$1,519,275.24	\$19,412,841.88			202
2018 May	\$2,960,378.09	\$22,373,219.97			222
2018 Jun	\$1,487,671.19	\$23,860,891.17			245

Year	Revenue	Revenue YTD	Revenue YoY %	Customers LTD
□ FY2018	\$23,860,891.17	\$23,860,891.17		2,459
2017 Jul	\$1,423,357.32	\$1,423,357.32		289
2017 Aug	\$2,057,902.45	\$3,481,259.78		448
2017 Sep	\$2,523,947.55	\$6,005,207.32		609
2017 Oct	\$561,681.48	\$6,566,888.80		783
2017 No	/ \$4,764,920.16	\$11,331,808.96		1,013
2017 De	\$596,746.56	\$11,928,555.52		1,201
2018 Jan	\$1,327,674.63	\$13,256,230.15		1,394
2018 Feb	\$3,936,463.31	\$17,192,693.45		1,571
2018 Ma	r \$700,873.18	\$17,893,566.64		1,790
2018 Apı	\$1,519,275.24	\$19,412,841.88		1,992
2018 Ma	y \$2,960,378.09	\$22,373,219.97		2,214
2018 Jun	\$1,487,671.19	\$23,860,891.17		2,459



DAX GROUP BY

GROUPBY se usa para realizar varias agregaciones en un solo recorrido de tabla.

```
GROUPBY (
TableName,
[GroupingColumn1],
[GroupingColumn2],
...
[GroupingColumnN],
"NewColumnName",
[Aggregation1],
[Aggregation2],
...
[AggregationN]
```

DAX Mínimo

La función MINX retorna el valor más pequeño de todos los valores parciales que «salieron» como resultado de una expresión que se evalúa fila a fila en una tabla

MinimumSalesAmount =
MIN(SalesData[SalesAmount])

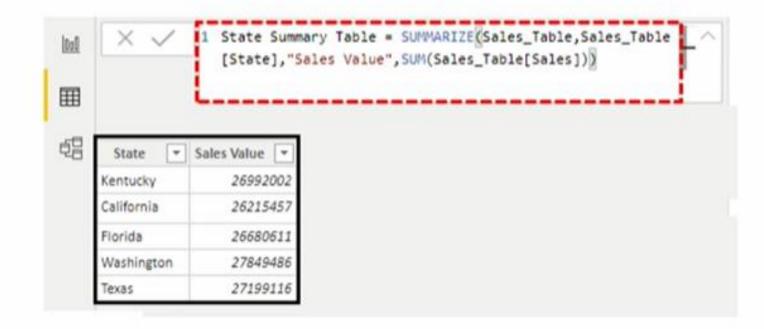
DAX Máximo

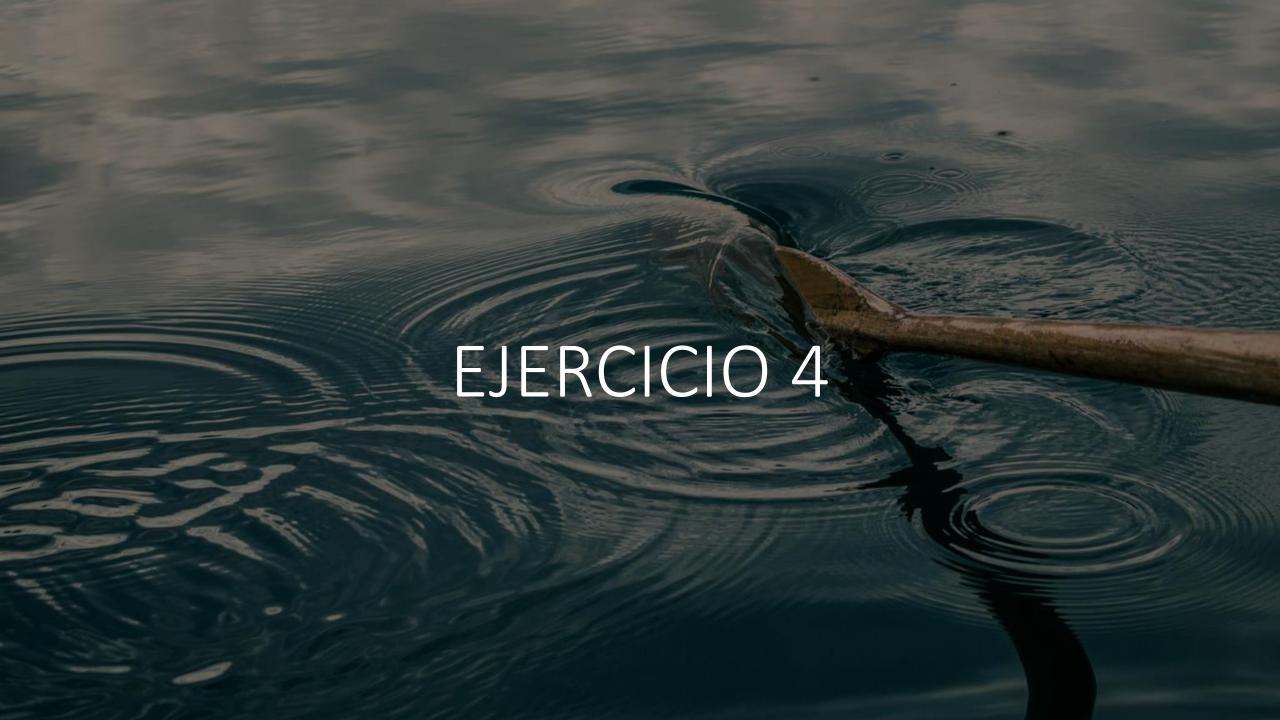
La función MAXX retorna el valor más grande de todos los valores parciales que «salieron» como resultado de una expresión que se evalúa fila a fila en una tabla

MaximumSalesAmount =
MAX(SalesData[SalesAmount])

DAX SUMMARIZE

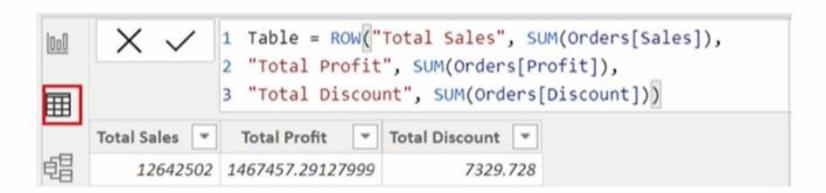
Crea un resumen de la tabla de entrada agrupada por las columnas especificadas.





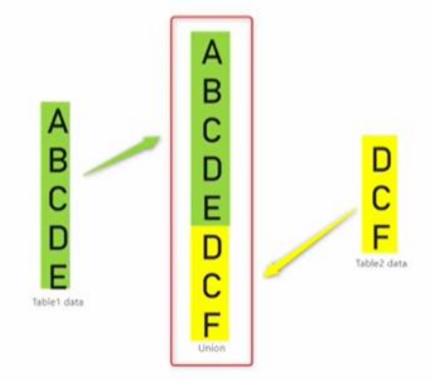


Devuelve una tabla de una sola fila con nuevas columnas especificadas por las expresiones DAX.



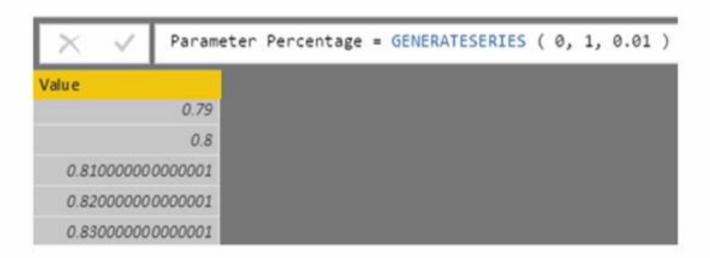
DAX UNION

Devuelve la unión de las tablas cuyas columnas coinciden.



DAX GENERATESERIES

Devuelve una tabla con una columna, rellena con valores secuenciales de principio a fin.



DAX SELECTCOLUMNS

Devuelve una tabla con columnas seleccionadas de la tabla y nuevas columnas especificadas por las expresiones DAX.



DAX USERELATIONSHIP

Especifica una relación existente que se usará en la evaluación de una expresión DAX. La relación se define nombrando, como argumentos, las dos columnas que sirven como puntos finales.

