**DEMO 1.**

**RankOrder** =

VAR OrderNumbers = -- Poprzez użycie ALLSELECTED ( Sales[Order Number] )

CALCULATETABLE ( -- otrzymalibyśmy cały numer zamówienia

VALUES ( Sales[Order Number] ); -- jeśli nie ma wyraźnego filtra w

ALLSELECTED ( ) -- numery zamówień. Dlatego korzystamy

) -- VALUES / ALLSELECTED w celu zmniejszenia liczby zamówień

-- ocenione w rankingu.

VAR CurrentOrder =

SELECTEDVALUE ( Sales[Order Number] )

VAR Result =

IF (

HASONEVALUE ( Sales[Order Number] ); -- Sprawdź, czy widoczne jest tylko jedno zamówienie.

RANKX (

OrderNumbers; -- Tabela do budowania wartości wyszukiwania.

Sales[Order Number]; -- Wyrażenie do użycia podczas iteracji.

CurrentOrder; -- Wartość do rangi. Musimy użyć SELECTEDVALUE

ASC -- aby pobrać bieżący wiersz w raporcie.

)

)

RETURN

Result

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

**BandNumber** = MOD ( [RankOrder]; 2 )

**DEMO 2.**

**AlwaysRed** = CALCULATE (

    [Sales Amount],

    Products[Color] = "Red"

)

**AlwaysRed\_Filter** = CALCULATE (

    [Sales Amount],

    FILTER (

        ALL ( Products[Color] ),

        Products[Color] = "Red"

    )

)

**OnlyRed** = CALCULATE (

    [Sales Amount],

    KEEPFILTERS ( Products[Color] = "Red" )

)

**OnlyRed\_Values** = CALCULATE (

    [Sales Amount],

    FILTER ( VALUES ( Products[Color] ), Products[Color] = "Red" )

)

**OnlyRed\_KeepfiltersAll** = CALCULATE (

    [Sales Amount],

    KEEPFILTERS (

        FILTER (

            ALL ( Products[Color] ),

            Products[Color] = "Red"

        )

    )

)

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

**AlwaysLow** =

CALCULATE (

    [Sales Amount],

    FILTER (

        ALL ( Products[Cost], Products[ListPrice] ),

        Products[Cost] < 5 || Products[ListPrice] < 10

    )

)

**OnlyLow** =

CALCULATE (

    [Sales Amount],

    KEEPFILTERS (

        FILTER (

         ALL ( Products[Cost], Products[ListPrice] ),

         Products[Cost] < 5 || Products[ListPrice] < 10

        )

    )

)

**OnlyLow\_Summarize** =

CALCULATE (

    [Sales Amount],

    FILTER (

        SUMMARIZE ( Products, Products[Cost], Products[ListPrice] ),

        Products[Cost] < 5 || Products[ListPrice] < 10

    )

)

**DEMO 3.**

**MinMax** =

VAR Vals =

CALCULATETABLE(

ADDCOLUMNS (

SUMMARIZE ( Sales, 'Product'[Brand], Store[Continent] ),

"@SalesAmt", [Sales Amount]

),

ALLSELECTED ()

)

VAR MinValue = MINX ( Vals, [@SalesAmt] )

VAR MaxValue = MAXX ( Vals, [@SalesAmt] )

VAR CurrentValue = [Sales Amount]

VAR Result =

SWITCH (

TRUE,

CurrentValue = MinValue, 1, -- 1 dla wartości MIN

CurrentValue = MaxValue, 2 -- 2 dla wartości MAX

)

RETURN

Result

**DEMO 4.**

**Sel** =

VAR Months =

VALUES ( 'Date'[Month Number] )

VAR MonthsPS =

ADDCOLUMNS (

Months,

"PrevSel", 'Date'[Month Number] - 1 IN Months,

"NextSel", 'Date'[Month Number] + 1 IN Months

)

VAR MonthsPSS =

ADDCOLUMNS (

MonthsPS,

"Seq", SWITCH (

TRUE (),

[PrevSel] && [NextSel], "Inside",

[NextSel], "First",

[PrevSel], "Last",

"Single"

)

)

VAR MonthsPSSNoInside =

FILTER ( MonthsPSS, [Seq] <> "Inside" )

VAR MonthsRanked =

ADDCOLUMNS (

MonthsPSSNoInside,

"ValPos", RANKX ( MonthsPSSNoInside, [Month Number], , ASC )

)

VAR MonthsWithNext =

ADDCOLUMNS (

MonthsRanked,

"NextMonth",

MAXX (

FILTER ( MonthsRanked, [ValPos] = EARLIER ( [ValPos] ) + 1 ),

[Month Number]

)

)

VAR ValuesToShow =

FILTER (

ADDCOLUMNS (

MonthsWithNext,

"ValueToShow", SWITCH (

[Seq],

"Single", LOOKUPVALUE ( 'Date'[Month], [Month Number], [Month Number] ),

"First", LOOKUPVALUE ( 'Date'[Month], [Month Number], [Month Number] ) & "-"

& LOOKUPVALUE ( 'Date'[Month], [Month Number], [NextMonth] )

)

),

[ValueToShow] <> ""

)

VAR Result =

CONCATENATEX ( ValuesToShow, [ValueToShow], ", ", [Month Number] )

RETURN

Result

**DEMO 5.**

**Adjusted Previous Year** =

CALCULATE( [Sales Amount], SAMEPERIODLASTYEAR( 'Date'[Date] ), 'Date'[IsPast] = TRUE )

**Previous Year** =

CALCULATE( [Sales Amount], SAMEPERIODLASTYEAR( 'Date'[Date] ) )