Important Measures

## Current Year (CY)

CY =   
CALCULATE(  
 SUM('table'[column]),  
 FILTER(  
 ALL('Calendar Master'),  
 'Calendar Master'[Year] = MAX('Calendar Master'[Year])  
 )  
)

## Current Year Till Date (CY Till Date)

CY Till Date =   
VAR mindate =   
 DATE(  
 YEAR(MIN('Calendar Master'[Date])),  
 MONTH(MIN('Calendar Master'[Date])),  
 1  
 )

VAR maxdate =   
 DATE(  
 YEAR(MAX('Calendar Master'[Date])),  
 MONTH(MAX('Calendar Master'[Date])),  
 DAY(MAX('Calendar Master'[Date]))  
 )

RETURN  
CALCULATE(  
 SUM('table'[column]),  
 'Calendar Master'[Date] >= mindate &&  
 'Calendar Master'[Date] <= maxdate  
)

## Previous Year (PY)

PY =   
CALCULATE(  
 SUM('table'[column]),  
 FILTER(  
 ALL('Calendar Master'),  
 'Calendar Master'[Year] = MAX('Calendar Master'[Year]) - 1  
 )  
)

## Previous Year Till Date (PY Till Date)

PY Till Date =   
VAR maxDateCurrentYear = MAX('Calendar Master'[Date])  
VAR minDateCurrentYear = MIN('Calendar Master'[Date])  
  
-- Adjust max date for leap year (handle Feb 29)  
VAR maxDatePreviousYear =  
 IF(  
 MONTH(maxDateCurrentYear) = 2 && DAY(maxDateCurrentYear) = 29,  
 IF(  
 MOD(YEAR(maxDateCurrentYear) - 1, 4) = 0 &&   
 (MOD(YEAR(maxDateCurrentYear) - 1, 100) <> 0 || MOD(YEAR(maxDateCurrentYear) - 1, 400) = 0),  
 DATE(YEAR(maxDateCurrentYear) - 1, 2, 29),  
 DATE(YEAR(maxDateCurrentYear) - 1, 2, 28)  
 ),  
 DATE(YEAR(maxDateCurrentYear) - 1, MONTH(maxDateCurrentYear), DAY(maxDateCurrentYear))  
 )  
  
-- Adjust min date for leap year (handle Feb 29)  
VAR minDatePreviousYear =  
 IF(  
 MONTH(minDateCurrentYear) = 2 && DAY(minDateCurrentYear) = 29,  
 IF(  
 MOD(YEAR(minDateCurrentYear) - 1, 4) = 0 &&   
 (MOD(YEAR(minDateCurrentYear) - 1, 100) <> 0 || MOD(YEAR(minDateCurrentYear) - 1, 400) = 0),  
 DATE(YEAR(minDateCurrentYear) - 1, 2, 29),  
 DATE(YEAR(minDateCurrentYear) - 1, 2, 28)  
 ),  
 DATE(YEAR(minDateCurrentYear) - 1, MONTH(minDateCurrentYear), DAY(minDateCurrentYear))  
 )  
  
-- Calculate the result and exclude zero values  
RETURN  
 VAR Result =   
 CALCULATE(  
 SUM('table'[column]),  
 FILTER(  
 ALL('Calendar Master'),  
 'Calendar Master'[Date] >= minDatePreviousYear &&  
 'Calendar Master'[Date] <= maxDatePreviousYear  
 )  
 )  
 RETURN  
 Result

## Current Month (CM)

CM =   
CALCULATE(  
 SUM('table'[column]),  
 KEEPFILTERS(  
 'Calendar Master'[Fiscal Year] = MAX('Calendar Master'[Fiscal Year]) &&  
 'Calendar Master'[FY Month] = MAX('Calendar Master'[FY Month]) &&  
 'Calendar Master'[Date] <= MAX('Calendar Master'[Date])  
 )  
)

## Current Year Last Month (CYLM)

CYLM =   
CALCULATE(  
 SUM('table'[column]),  
 FILTER(  
 ALL('Calendar Master'),  
 'Calendar Master'[Fiscal Year] = MAX('Calendar Master'[Fiscal Year]) &&  
 'Calendar Master'[FY Month] = MAX('Calendar Master'[FY Month]) - 1  
 )  
)

## Previous Month Sales (PM Sales)

PM Sales =   
CALCULATE(  
 SUM('table'[column]),  
 FILTER(  
 ALL('Calendar Master'),  
 'Calendar Master'[Month Index] = MAX('Calendar Master'[Month Index]) - 1  
 )  
)

## Current Week Sales

var cy = MAX('Calendar Master'[Year])  
var cw = MAX('Calendar Master'[WeekNO])  
var cd = MAX('Calendar Master'[Date])  
return  
CALCULATE(SUM('order'[Sales]),  
 FILTER(ALL('Calendar Master'),  
 'Calendar Master'[Year] = cy &&  
 'Calendar Master'[WeekNO] = cw &&  
 'Calendar Master'[Date] <= cd  
 )  
)

## CY Previous Week Sales

var cy = MAX('Calendar Master'[Year])  
var pw = MAX('Calendar Master'[WeekNO]) - 1  
var cd = MAX('Calendar Master'[Date])  
return  
CALCULATE(SUM('order'[Sales]),  
 FILTER(ALL('Calendar Master'),  
 'Calendar Master'[Year] = cy &&  
 'Calendar Master'[WeekNO] = pw &&  
 'Calendar Master'[Date] <= cd  
 )  
)

## PY Current Week Sales

var py = MAX('Calendar Master'[Year]) - 1  
var cd = DAY(MAX('Calendar Master'[Date]))  
var cm = MAX('Calendar Master'[Month])  
var cw = MAX('Calendar Master'[WeekNO])  
VAR pysamedate = DATE(py, cm, cd)  
return  
CALCULATE(SUM('order'[Sales]),  
 FILTER(ALL('Calendar Master'),  
 'Calendar Master'[Year] = py &&  
 'Calendar Master'[WeekNO] = cw &&  
 'Calendar Master'[Date] <= pysamedate  
 )  
)

## Current Day Sales

var cy = MAX('Calendar Master'[Year])  
var cd = MAX('Calendar Master'[Date])  
return  
CALCULATE(SUM('order'[Sales]),  
 FILTER(ALL('Calendar Master'),  
 'Calendar Master'[Year] = cy &&  
 'Calendar Master'[Date] = cd  
 )  
)

## Previous Year Current Day Sales

var py = MAX('Calendar Master'[Year]) - 1  
var cd = DAY(MAX('Calendar Master'[Date]))  
var cm = MAX('Calendar Master'[Month])  
VAR pysamedate = DATE(py, cm, cd)  
return  
CALCULATE(SUM('order'[Sales]),  
 FILTER(ALL('Calendar Master'),  
 'Calendar Master'[Year] = py &&  
 'Calendar Master'[Date] = pysamedate  
 )  
)

## Previous Day Sales

var cy = MAX('Calendar Master'[Year])  
var pd = MAX('Calendar Master'[Date]) - 1  
return  
CALCULATE(SUM('order'[Sales]),  
 FILTER(ALL('Calendar Master'),  
 'Calendar Master'[Year] = cy &&  
 'Calendar Master'[Date] = pd  
 )  
)

## RollingTotalLast3Months

CALCULATE(  
 SUM('order'[Sales]),   
 DATESINPERIOD(  
 'Calendar Master'[Date],  
 LASTDATE('Calendar Master'[Date]),  
 -3,  
 MONTH  
 )  
)

## RollingTotalLast6Months

CALCULATE(  
 SUM('order'[Sales]),   
 DATESINPERIOD(  
 'Calendar Master'[Date],  
 LASTDATE('Calendar Master'[Date]),  
 -6,  
 MONTH  
 )  
)

## RollingTotalLast9Months

CALCULATE(  
 SUM('order'[Sales]),   
 DATESINPERIOD(  
 'Calendar Master'[Date],  
 LASTDATE('Calendar Master'[Date]),  
 -9,  
 MONTH  
 )  
)

## RollingTotalLast12Months

CALCULATE(  
 SUM('order'[Sales]),   
 DATESINPERIOD(  
 'Calendar Master'[Date],  
 LASTDATE('Calendar Master'[Date]),  
 -12,  
 MONTH  
 )  
)