DAX MEASURES

DAX FUNCTION	M-CODE		
COUNTROWS ()	Total transactions = COUNTROWS(Sales)		
SUM ()	Total sales = SUM (Sales [Revenue])		
SUM ()	Total quantity = SUM (Sales [Order Quantity])		
SUMX ()	Total cost = SUMX (Sales, Sales [Order Quantity] *Sales [Total Unit Cost])		
	Total profits = [Total sales]- [Total cost]		
Divide ()	Profit margins = Divide ([Total profits], [Total sales])		
TIME INTELLIGENCE MEASURES			
DATEADD ()	Profit LY = CALCULATE ([Total profits], DATEADD (Dates [Date], -1, YEAR))		
CALCULATE ()			
DATEADD ()	Profit margins LY = CALCULATE ([Profit margins], DATEADD (Dates [Date], -1, YEAR))		
CALCULATE ()	Calcally Calculate (Table India) Dateado (D. 1. 15. 1. 1. 4. 154.)		
DATEADD ()	Sales LY = CALCULATE ([Total sales], DATEADD (Dates [Date], -1, YEAR))		
CALCULATE ()	Sales TY VS Sales LY = [Total sales]- [Sales LY]		
	Suics IT VS Suics ET = [Total suics] [Suics ET]		
CALCULATE ()	Sales YTD = CALCULATE ([Total sales], DATESYTD (Dates [Date]))		
DATESYTD ()			
CALCULATE ()	Sales MTD = CALCULATE ([Total sales], DATESMTD (Dates [Date]))		
DATESMTD ()			
CALCULATE ()	Sales QTD = CALCULATE ([Total sales], DATESQTD (Dates [Date]))		
DATESQTD ()	INICONAL CTATENAENTS NACASURES		
CLID 4 ()	INCOME STATEMENTS MEASURES		
SUM ()	Income values = SUM ('Income statement data-2'[Value]) Total revenue = CALCULATE ('Income measure -3'[Income values],'Income statement data-2'[Type]="Revenues")		
	Total revenue LY = CALCULATE ([Total revenue], DATEADD (Dates [Date], -1, YEAR))		
CALCULATE ()	Expenses = (CALCULATE ([Income values], 'Income statement data-2'[Type]= "Expenses") + [COGS]) * -1		
	Expenses LY = CALCULATE ('Income measure -3'[Expenses], DATEADD (Dates [Date], -1, YEAR))		
DATEADD ()	COGS = CALCULATE ('Income measure -3'[Income values], 'Income statement data-2'[Expense Category] = "COGS") *-1		
	COGS LY = CALCULATE ('Income measure -3'[COGS], DATEADD (Dates [Date], -1, YEAR))		
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Gross profit = VAR Revenue = CALCULATE ('Income measure -3'[Income values], 'Income
   DIVIDE ()
                  statement data-2'[Type]= "Revenues")
                  VAR COGS = CALCULATE ('Income measure -3'[Income values], 'Income statement data-
                  2'[Expense Category] = "COGS")
                  RETURN
                  Revenue - COGS
SELECTEDVALUE
                  Gross Profit LY = CALCULATE ([Gross profit], DATEADD (Dates [Date], -1, YEAR))
       ()
                  Gross profit margin = DIVIDE ([Gross profit], Income measure -3'[Total revenue])
                  Gross profit margin LY = CALCULATE ([Gross profit margin], DATEADD (Dates [Date], -1,
                  YEAR)
SWITCH (TRUE
      ())
                  Net profit = [Total revenue] +'Income measure -3'[COGS]+'Income measure -3'[Expenses]
                  Net profit LY = CALCULATE ('Income measure -3'[Net profit], DATEADD (Dates [Date], -1,
                  YEAR))
     ABS ()
                  Net profit margin = DIVIDE ([Net profit], [Total revenue])
                  Net profit margin LY = CALCULATE ('Income measure -3'[Net profit margin], DATEADD
                  (Dates [Date], -1, YEAR))
   FILTER ()
                  Actual's income = VAR Revenue = CALCULATE ([Income values], 'Income statement data-
                  2'[Type] = "Revenues")
                  VAR Expense = CALCULATE ([Income values], 'Income statement data-2'[Type] =
                  "Expenses") *-1
                  Return
                  DIVIDE (
                  IF (SELECTEDVALUE ('Income statement data-2'[Type]) = "Revenues", Revenue,
                    IF (SELECTEDVALUE ('Income statement data-2'[Type]) = "Expenses", Expense,
                      Revenue + Expense)), 1000, 0)
                  annual totals % =
                  VAR Current Item = SELECTEDVALUE ('income statement template'[Income Statement
                  VAR Current Summary = SELECTEDVALUE ('income statement template'[Income
                  Statement Items])
                  RETURN
                  SWITCH (TRUE (),
                    Current Summary = "Total Revenues", 1,
                    Current Summary = "Total COGS", DIVIDE([COGS], [Total revenue], 0),
                    Current Summary = "Total Gross Profit", DIVIDE ([Gross Profit], [Total revenue], 0),
                    Current Summary = "Total Other Expenses", DIVIDE([Expenses], [Total revenue], 0),
                    Current Summary = "Total Net Profit", DIVIDE ([Net Profit], [Total revenue], 0),
                    Current Summary = "Net Profit %", [Net Profit Margin],
                      DIVIDE (CALCULATE ('Income measure -3'[Actual's income] * 1000,
                        FILTER ('income statement template', 'income statement template'[Income
                  Statement Items] = Current Item)), [Total revenue], 0))
                  TY vs PY Actuals =
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VAR Current Item = SELECTEDVALUE ('income statement template'[Items (Normalized)])
                 RETURN
                 SWITCH (TRUE (),
                   Current Item = "Total Revenues", DIVIDE ([total Revenue] - [total Revenue LY], 1000, 0),
                   Current Item = "Total COGS", DIVIDE([COGS] - [COGS LY], 1000, 0),
                   Current Item = "Total Gross Profit", DIVIDE ([Gross Profit] - [Gross Profit LY], 1000, 0),
                   Current Item = "Total Other Expenses", DIVIDE([Expenses] - [Expenses LY], 1000, 0),
                   Current Item = "Total Net Profit", DIVIDE ([Net Profit] - [Net Profit LY], 1000, 0),
                     CALCULATE ([Actual's income], FILTER ('Income statement data-2', 'Income
                 statement data-2'[Expense Items] ==Current Item))) - CALCULATE (CALCULATE ([Actual's
                 income], FILTER ('Income statement data-2', 'Income statement data-2' [Expense Items]
                 ==Current Item)), DATEADD (Dates [Date], -1, YEAR))
                 TY vs PY Actuals % =
                 VAR Current Item = SELECTEDVALUE ('income statement template'[Items (Normalized)])
                 RETURN
                 SWITCH (TRUE (),
                   Current Item = "Total Revenues", DIVIDE ([TY vs PY Actuals], [total Revenue LY], 0),
                   Current Item = "Total COGS", DIVIDE ([TY vs PY Actuals], [COGS LY], 0),
                   Current Item = "Total Gross Profit", DIVIDE ([TY vs PY Actuals], [Gross Profit LY], 0),
                   Current Item = "Total Other Expenses", DIVIDE ([TY vs PY Actuals], [Expenses LY], 0),
                   Current Item = "Total Net Profit", DIVIDE ([TY vs PY Actuals], [Net Profit LY], 0),
                   Current Item = "Gross Profit %", [Gross Profit Margin] - [Gross profit Margin LY],
                   Current Item = "Net Profit %", [Net Profit Margin] - [Net Profit Margin LY],
                     DIVIDE ([TY vs PY Actuals],
                       ABS (CALCULATE (CALCULATE ([Actual's income],
                       FILTER ('Income statement data-2', 'Income statement data-2'[Expense Items] =
                 Current Item)),
                         DATEADD (Dates [Date], -1, YEAR)))))
                                         FINANCIAL MEASURES
   SUM ()
                 Q1 = CALCULATE ('Financial measures'[Annual Totals], Dates [QUARTER]="Q1")
                 Q2 = CALCULATE ('Financial measures'[Annual Totals], Dates [QUARTER]="Q2)
                 Q3 = CALCULATE ('Financial measures'[Annual Totals], Dates [QUARTER]="Q3")
                 Q4 = CALCULATE ('Financial measures'[Annual Totals], Dates [QUARTER]="Q4")
                 table data = SELECTEDVALUE ('Income statement visuals'[table details],"Actuals")
CALCULATE ()
                 Annual Totals =
                 VAR Current Item = SELECTEDVALUE ('income statement template'[Items (Normalized)])
                 VAR Actuals = SWITCH (TRUE (),
                   Current Item = "Total Revenues", DIVIDE ([Total revenue], 1000, 0),
DATEADD ()
                   Current Item = "Total COGS", DIVIDE([COGS], 1000, 0),
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Current Item = "Total Gross Profit", DIVIDE ([Gross Profit], 1000, 0),
                     Current Item = "Gross Profit %", FORMAT ([Gross Profit Margin], "0.00%"),
                     Current Item = "Total Other Expenses", DIVIDE([Expenses], 1000, 0),
                     Current Item = "Total Net Profit", DIVIDE ([Net Profit], 1000, 0),
                     Current Item = "Net Profit %", FORMAT ([Net Profit Margin], "0.00%"),
   DIVIDE ()
                       CALCULATE ([Actual's income],
                         FILTER ('Income statement data-2', 'Income statement data-2'[Expense Items] =
                  Current Item)))
                  VAR saltier = SWITCH (TRUE (),
SELECTEDVALUE
                     Current Item = "Total Revenues", DIVIDE ([total Revenue] - [total Revenue LY], 1000, 0),
       ()
                     Current Item = "Total COGS", DIVIDE([COGS] - [COGS LY], 1000, 0),
                     Current Item = "Total Gross Profit", DIVIDE ([Gross Profit] - [Gross Profit LY], 1000, 0),
                     Current Item = "Total Other Expenses", DIVIDE([Expenses] - [Expenses LY], 1000, 0),
                     Current Item = "Total Net Profit", DIVIDE ([Net Profit] - [Net Profit LY], 1000, 0),
                       CALCULATE ([Actual's income], FILTER ('Income statement data-2', 'Income
SWITCH (TRUE
                  statement data-2'[Expense Items] ==Current Item))) - CALCULATE (CALCULATE ([Actual's
      ())
                  income], FILTER ('Income statement data-2', 'Income statement data-2'[Expense Items]
                  ==Current Item)), DATEADD (Dates [Date], -1, YEAR))
                  VAR Pericentre = SWITCH (TRUE (),
     ABS ()
                     Current Item = "Total Revenues", FORMAT (1, "0.00%"),
                     Current Item = "Total COGS", FORMAT (DIVIDE([COGS], [Total revenue], 0), "0.00%"),
                     Current Item = "Total Gross Profit", FORMAT (DIVIDE ([Gross Profit], [Total revenue],
                  0), "0.00%"),
                     Current Item = "Total Other Expenses", FORMAT (DIVIDE([Expenses], [Total revenue],
   FILTER ()
                  0), "0.00%"),
                     Current Item = "Total Net Profit", FORMAT (DIVIDE ([Net Profit], [Total revenue], 0),
                  "0.00%"),
                       FORMAT (DIVIDE (CALCULATE ([Actual's income] * 1000,
                         FILTER ('Income statement data-2', 'Income statement data-2'[Expense Items] =
                  Current Item)), [Total revenue], 0), "0.00%"))
    MAXX ()
                  RETURN
                  SWITCH (TRUE (),
                     [Table Data] = "Actuals", Actuals,
                     [Table Data] = "vs Last Year", saltier,
                     [Table Data] = "% to Revenue", Pericentre,
                     BLANK ())
 AVERAGEX ()
                  Previous Highest Sale =
                  MAXX (
                     FILTER (ALLSELECTED (Dates),
                       Dates [Date] <= MAX (Dates [Date])),
                         [Total Sales])
    TOPN ()
                  Rolling Average Sale =
                  AVERAGEX (
                     FILTER (ALLSELECTED (Dates),
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VALUES ()	Dates [Date] <= MAX (Dates [Date])), [Total Sales])
	Top 5 Cities = CALCULATE ([Total Sales], TOPN (5, ALL (Regions [City]), [Total Sales], DESC), VALUES (Regions [City]))
	Top 5 Customers = CALCULATE ([Total Sales], TOPN (5, ALL (Customer [Customer Names]), [Total Sales], DESC), VALUES (Customer [Customer Names]))
	BALANCE SHEETS MEASURES
SUM ()	BS Values = CALCULATE (SUM ('Balance Sheet Data'[Value]), TREATAS (VALUES (Dates [Year]), 'Balance Sheet Data'[Year]))
CALCULATE ()	BS values LY = CALCULATE ('Balance statement measures'[BS Values], DATEADD (Dates [Date], -1, YEAR))
	Current assists = CALCULATE ('Balance statement measures'[BS Values], 'Balance Sheet Data'[Category]="Current Assets")
DATEADD ()	Current liabilities = CALCULATE ('Balance statement measures'[BS Values], 'Balance Sheet Data'[Category]="Current liabilities")
	Fixed assists = CALCULATE ('Balance statement measures'[BS Values], 'Balance Sheet Data'[Category]="Fixed (Long-Term) Assets")
DIVIDE ()	Long-Term Liabilities = CALCULATE ('Balance statement measures'[BS Values],'Balance Sheet Data'[Category]="Long-Term Liabilities")
	Other Assets = CALCULATE ('Balance statement measures'[BS Values],'Balance Sheet Data'[Category]="Other Assets")
	Owner's Equity = CALCULATE ('Balance statement measures'[BS Values],'Balance Sheet Data'[Category]="Owner's Equity")
SELECTEDVALUE ()	Total assists = 'Balance statement measures' [Current assists] + [Fixed assists] + [Other Assets]
	Total liabilities = 'Balance statement measures' [Current liabilities] + 'Balance statement measures' [Long-Term Liabilities]
SWITCH (TRUE ())	Total Liabilities and Owner's Equity = 'Balance statement measures'[Current liabilities] + 'Balance statement measures'[Long-Term Liabilities] + [Owner's Equity]

	D/C Values
	B/S Values =
	VAR Current Item = SELECTEDVALUE ('Balance Sheet Template' [Balance Sheet
EU TED ()	Normalized])
FILTER ()	DETURN
	RETURN
	SWITCH (TRUE (),
	Current Item = "Total current assets", [Current assists],
	Current Item = "Total fixed assets", [Fixed assists],
	Current Item = "Total Other assets", [Other Assets],
	Current Item = "Total Assets", [Total assists],
	Current Item = "Total current liabilities", [Current liabilities],
	Current Item = "Total long-term liabilities", [Long-Term Liabilities],
	Current Item = "Total owner's equity", [Owner's Equity],
	Current Item = "Total Liabilities and Owner's Equity", [Total Liabilities and Owner's
	Equity],
	Current Item = "Debt Ratio (Total Liabilities / Total Assets)", FORMAT (DIVIDE ([Total
	liabilities] + [Long-Term Liabilities], [Total assists], 0), "0.00"),
	Current Item = "Current Ratio (Current Assets / Current Liabilities)", FORMAT (DIVIDE
	([Current liabilities], [Total assists], 0), "0.00"),
	Current Item = "Working Capital (Current Assets - Current Liabilities)", FORMAT
	([Current assists] - [Current liabilities], "0"),
	Current Item = "Assets-to-Equity Ratio (Total Assets / Owner's Equity)", FORMAT
	(DIVIDE ([Total assists], [Owner's Equity], 0), "0.00"),
	Current Item = "Debt-to-Equity Ratio (Total Liabilities / Owner's Equity)", FORMAT
	(DIVIDE ('Balance statement measures'[Total liabilities], [Owner's Equity], 0), "0.00"),
	CALCULATE ([BS Values], FILTER ('Balance Sheet Data', 'Balance Sheet Data'[Sub
	Category] = Current Item)))
	CASH FLOWS MEASURES
SUM ()	Absolute c/f values = ABS ('Cash flow measures'[Cash Flow Values])
	Cash Flow Values =
	CALCULATE (SUM ('Cash Flow Data'[Value]), TREATAS (VALUES (Datas [Vaar]) 'Cash Flow Data'[Vaars]))
	TREATAS (VALUES (Dates [Year]), 'Cash Flow Data'[Years]))
04101:: 477.0	Cash at the end of year = [net increase in cash]-'Cash flow measures'[Cash at Beginning of
CALCULATE ()	Year]
	rearj
	Cash At Beginning of Year = CALCULATE ([Cash Flow Values], 'Cash Flow Data' [Cash Flow
	Sub Category] = "Cash at Beginning of Year")
	Sub category = Cash at Deginning of Teal /
	cash paid for -operations = CALCULATE ([Cash Flow Values], 'Cash Flow Data' [Cash Flow
DATEADD ()	Category] ="Cash paid for", 'Cash Flow Data'[Cash Flow Type] ="Operations")
	Cateboly - Cash paid for , Cash How Data [Cash How Type] - Operations)
	Cash paid for Financing Activities = CALCULATE ([Cash Flow Values], 'Cash Flow Data' [Cash
	Flow Category] ="Cash paid for", 'Cash Flow Data' [Cash Flow Type] ="Financing
	Activities")
	Cash paid for- Investing Activities = CALCULATE ([Cash Flow Values], 'Cash Flow Data' [Cash
	Flow Category] ="Cash paid for", 'Cash Flow Data'[Cash Flow Type] ="Investing
SELECTEDVALUE	Activities")
()	ACTIVITIES /

	cash receipts from customer-operations = CALCULATE ([Cash Flow Values], 'Cash Flow Data' [Cash Flow Category] = "Cash receipts from", 'Cash Flow Data' [Cash Flow Type] = "Operations")
SWITCH (TRUE ())	Cash receipts from Financing Activities = CALCULATE ([Cash Flow Values], 'Cash Flow Data' [Cash Flow Category] = "Cash receipts from", 'Cash Flow Data' [Cash Flow Type] = "Financing Activities")
ABS ()	Cash receipts from Financing Activities = CALCULATE ([Cash Flow Values], 'Cash Flow Data' [Cash Flow Category] = "Cash receipts from", 'Cash Flow Data' [Cash Flow Type] = "Financing Activities")
FILTER ()	Net Cash Flow - Financing = 'Cash flow measures'[Cash receipts from Financing Activities]-'Cash flow measures'[Cash paid for Financing Activities]
	Net Cash Flow - Financing = 'Cash flow measures'[Cash receipts from Financing Activities]-'Cash flow measures'[Cash paid for Financing Activities]
TREATAS ()	Net Cash Flow - Operations = 'Cash flow measures'[cash receipts from customer-operations]-'Cash flow measures'[cash paid for -operations] net increase in cash = [Net Cash Flow - Financing] + [Net Cash Flow - Investing] + [Net Cash Flow - Operations]
	Cash flow actual Values = VAR Current Item = SELECTEDVALUE ('Cash Flow Template'[Cash Flow Normalized]) RETURN SWITCH (TRUE (), Current Item = "Net Cash Flow from Operations", [Net Cash Flow - Operations], Current Item = "Net Cash Flow from Investing Activities", [Net Cash Flow - Investing], Current Item = "Net Cash Flow from Financing Activities", [Net Cash Flow - Financing], Current Item = "Net Increase in Cash", [Net Cash Flow - Operations] + [Net Cash Flow - Investing] + [Net Cash Flow - Financing], Current Item = "Cash at Beginning of Year", [Cash at Beginning of Year], Current Item = "Cash at End of Year", [Cash at Beginning of Year] - ([Net Cash Flow - Operations] + [Net Cash Flow - Investing] + [Net Cash Flow - Financing]), CALCULATE ([Cash Flow Values], FILTER ('Cash Flow Data', 'Cash Flow Data'[Cash Flow Sub Category] = Current Item)))