# 30-Day DAX Revision - Day 3 Notes

Date: 16/07/2025

Topic: Understanding DAX Data Types (Text, Number, Date)

## 1. Text Functions

• LEFT - Extract the first N characters

TextExtract = LEFT('Sample - Superstore'[Name\_Upper], 10)

• UPPER - Convert text to uppercase

CustomerUpper = UPPER('Sample - Superstore'[Customer Name])

• LEN - Count the number of characters

CustLength = LEN('Sample - Superstore'[Customer Name])

## 2. Number Functions

• ROUND - Round decimal values to 2 digits

ProfitRound = ROUND('Sample - Superstore'[Profit], 2)

• ABS + DATEDIFF - Absolute difference in days between dates (Note: ABS not needed for dates)

AbsDateDiff = DATEDIFF('Sample - Superstore'[Order Date], 'Sample - Superstore'[Ship Date], DAY)

## 3. Date Functions

• YEAR - Extract the year from a date

Year = YEAR('Sample - Superstore'[RealOrderDate])

• MONTH - Extract the month number

Month = MONTH('Sample - Superstore'[RealOrderDate])

• FORMAT - Format the date as 'July 2025'

Format = FORMAT('Sample - Superstore'[RealOrderDate], "mmmm yyyy")

• Combine Date and Text

Combine1 = 'Sample - Superstore'[Customer Name] & " ordered on " & FORMAT('Sample - Superstore'[RealOrderDate], "dd mmm yyyy")

## 4. Value Function

• Convert text that looks like numbers into actual numbers

TextValue = VALUE('Sample - Superstore'[Text])

## Key Learnings

• DAX functions are sensitive to data types. Always check column types before applying functions.

• LEFT() works only on text; use FORMAT or CONVERT to change number/date to text if needed.

• DATEDIFF returns a positive value when used correctly with proper date order. ABS() is not necessary here.