**Data Transformations:**

Changed the data types of all Amounts from text to Decimal numbers

Discount Amount column = Replace the value '$' with 0 and trimmed the text.

then added a custom Discount column as it is unable to change the data type.

Custom Discount Column (Power Query Editor Formula) = let

TextValue = [#" Discounts "],

ReplaceDollarDash = if TextValue = "$-" then "0" else TextValue,

RemoveDollarSign = Text.Replace(ReplaceDollarDash, "$", ""),

RemoveCommas = Text.Replace(RemoveDollarSign, ",", ""),

TrimText = Text.Trim(RemoveCommas),

ConvertToNumber = Number.FromText(TrimText, "en-US")

In ConvertToNumber

**Dax Formulas:**

**1).** Calendar =

ADDCOLUMNS (

CALENDAR (

DATE (2012, 12, 31),

DATE (2014, 12, 31)

),

"Year", YEAR([Date]),

"Month Number", MONTH([Date]),

"Month Name", FORMAT([Date], "MMMM"),

"Quarter", "Q" & QUARTER([Date]),

"Day", DAY([Date]),

"Day of Week", WEEKDAY([Date], 2),

"Day of Week Name", FORMAT([Date], "dddd"))

**2).** Product New=

SWITCH (

TRUE (),

TRIM ('Financials'[ Product]) = "Carretera", "Document Automation",

TRIM ('Financials'[ Product]) = "Paseo", "Print Management Software",

TRIM ('Financials'[ Product]) = "Velo", "Cloud Printing Solutions",

TRIM ('Financials'[ Product]) = "VTT", "Secure Print Solutions",

TRIM ('Financials'[ Product]) = "Amarilla", "Business Process Automation",

TRIM ('Financials'[ Product]) = "Montana", "IT Services",

BLANK ())

**3).** Segment New=

SWITCH (

TRUE (),

'Financials'[Segment] = "Channel Partners", "Digital Transformation",

'Financials'[Segment] = "Enterprise", "Managed Print Services",

'Financials'[Segment] = "Government", "Cloud Solutions",

'Financials'[Segment] = "Midmarket", "Document Security",

'Financials'[Segment] = "Small Business", "Workflow Automation",

BLANK ())

4). Cities = SWITCH (

TRUE (),

'Financials'[Country] = "Canada", "Birmingham",

'Financials'[Country] = "France", "Bristol",

'Financials'[Country] = "Germany", "Glasgow",

'Financials'[Country] = "Mexico", "London HQ",

'Financials'[Country] = "United States of America", "Manchester",

BLANK ())

**5).** Formatted Date = FORMAT([Date], "MM/DD/YYYY")

**6).** Local Gross sales = sum (Financials [ Gross Sales])

**7).** Local Cost of goods sold = sum (Financials [ COGS])

**8).** Local gross profit = [Local Gross sales] - [Local Cost of goods sold]

**9).** Local Gross Profit Margin = DIVIDE ([local Gross Profit], [Local Gross sales], 0)

**10).** Gross Sales Without Promotion =

SUM ([ Local Gross Sales]) - SUM([Custom])

**11).** Local Previous Year profit = CALCULATE (

[Local gross profit],

PARALLELPERIOD('Calendar'[Date], -1, YEAR))

**12).** YoY Profit Change = [Local gross profit] - [Local Previous Year profit]

**13).** YoY Profit Growth % = DIVIDE ([YoY Profit Change], [Local Previous Year profit], 0)

**Data Model:**

Created a Callender dim table and joined it with main fact tables on date column

Paste the data model image here:

A screenshot of a computer

Description automatically generated