

Adidas Sales Data Cleaning - Power Query M Script

Data Cleaning Script (Power Query M)

Step 1: Remove Unnecessary Columns

```
"Removed Other Columns" = Table.SelectColumns(Source, {
    "Date", "Retailer", "Retailer ID", "Region", "State", "City",
    "Product", "Units Sold", "Total Sales", "Operating Profit", "Sales Method"
})
```

Step 2: Handle Null / Blank Values

```
"Filtered Rows" = Table.SelectRows("#Removed Other Columns",
    each [Retailer] <> null and [Total Sales] <> null and [Units Sold] <> null)
```

Step 3: Correct Data Types

```
"Changed Type" = Table.TransformColumnTypes("#Filtered Rows", {
    {"Date", type date},
    {"Units Sold", Int64.Type},
    {"Total Sales", type number},
    {"Operating Profit", type number},
    {"Retailer", type text},
    {"Region", type text},
    {"State", type text},
    {"City", type text},
    {"Product", type text},
    {"Sales Method", type text}
})
```

Step 4: Clean & Standardize Text Columns

```
"Trimmed Text" = Table.TransformColumns("#Changed Type",
    List.Transform({"Retailer", "Retailer ID", "Region", "State", "City", "Product", "Sales Method"},
        each {_, Text.Trim, type text})),
"Cleaned Text" = Table.TransformColumns("#Trimmed Text",
    List.Transform({"Retailer", "Retailer ID", "Region", "State", "City", "Product", "Sales Method"},
        each {_, Text.Clean, type text})),
"Capitalized Text" = Table.TransformColumns("#Cleaned Text",
    List.Transform({"Retailer", "Retailer ID", "Region", "State", "City", "Product", "Sales Method"},
        each {_, Text.Proper, type text}))
```

Step 5: Create New Calculated Columns

```
"Added Year" = Table.AddColumn("#Capitalized Text", "Year", each Date.Year([Date]), Int64.Type),
"Added Month Name" = Table.AddColumn("#Added Year", "Month Name", each Date.MonthName([Date]), type text),
"Added Month Number" = Table.AddColumn("#Added Month Name", "Month Number", each Date.Month([Date]), Int64.Type),
"Added Quarter" = Table.AddColumn("#Added Month Number", "Quarter", each "Q" & Number.ToText(Date.QuarterOfYear([Date])), type text),
"Added Day of Week" = Table.AddColumn("#Added Quarter", "Day of Week", each
```

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```
Date.DayOfWeekName([Date]), type text)
```

Step 6: Fix Negative Sales or Quantity Values

```
#"Replaced Negative Values" = Table.TransformColumns(#"Added Day of Week", {  
    {"Total Sales", each if _ < 0 then null else _, type number},  
    {"Units Sold", each if _ < 0 then null else _, Int64.Type}  
})
```

Step 7: Format Currency Columns

```
#"Formatted Currency" = Table.TransformColumnTypes(#"Replaced Negative Values", {  
    {"Total Sales", Currency.Type},  
    {"Operating Profit", Currency.Type}  
})
```

Step 8: Sort Month Name by Month Number

```
#"Sorted Month Names" = Table.Sort(#"Formatted Currency", {"Month Number", Order.Ascending})
```

Final Output: Clean dataset ready for Power BI visualizations.