

Data Transformation - 1

26 August 2024 21:07

Data Transformation - 1

- After Every Session - You need to save .pbix file.
 - So that you continue from that point in future.

- Download all dataset and store it into local system under 1 folder.

Dataset:	
	sales 2015.csv 115.8KB
	sales 2017.csv 1291.0KB
	sales 2016.csv 1058.6KB
	categories.csv 0.0KB
	AdventureWorksTerritories-210509-235702.csv 0.4KB
	AdventureWorksReturns-210509-235702.csv 33.8KB
	UnpivotData-210218-203447.xlsx 248.0KB
	customers.csv 1917.5KB
	products.csv 56.8KB

	Renaming applied steps.png Image		sales 2015.csv Comma-separated values
	sales 2016.csv Comma-separated values		sales 2017.csv Comma-separated values
	UnpivotData-210218-203447... Excel		AdventureWorksReturns-21... Comma-separated values
	AdventureWorksTerritories-... Comma-separated values		categories.csv Comma-separated values
	customers.csv Comma-separated values		products.csv Comma-separated values

Either download it from study material / classroom.

TASKS :

Customer Table:

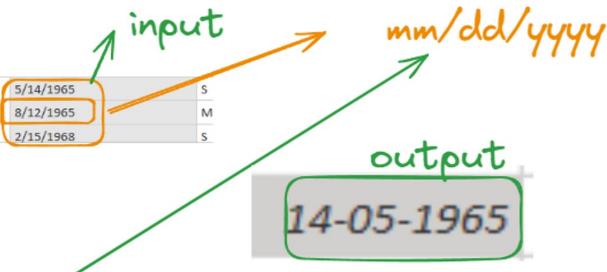
- Check and modify the data type of each column in the customer table.
- Rename the modified dataset file as "d-customer".
- Eliminate duplicate dates from the birth date column in the customer table.
- Combine the columns "prefix, first name, and last name" and name it "Full Name".
- Sort the annual income column in descending order.

mm / dd / yyyy

Change Type with Locale

Change the data type and select the locale of origin.

Data Type



Change type with Locale

Change the data type and select the locale of origin.

Data Type: Date

Locale: English (United States)

Sample input values:

3/29/2016
Tuesday, March 29, 2016
March 29
March 2016

dd-mm-yyyy

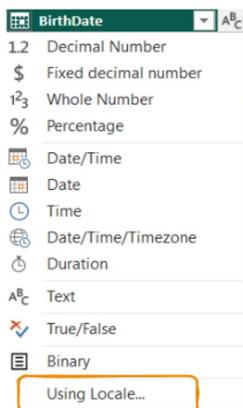
input

- In the customer table , Date & Currency data type would be updated using "Change type with Locale"
- "English[United State]"

"ABC" - String [Can consume , any special characters.]

"14/12/1999"

"\$25,000.00"



- also , Error → Change type with locale.
Error - 22/1/1999

"Win + Shift + S" - to take the screenshot.

Transform Add Column View Tools Help

Monospaced Column distribution Always
Show whitespace Column profile
Column quality

Data Preview Columns Parameters

Table.SelectRows(#"Fil..."

EmailAddress

100%	Valid	100%
0%	Error	0%
0%	Empty	0%

1000 distinct, 1000 unique

Source
Promoted Headers
Changed Type
Changed Type with Locale
Changed Type with Locale1
Changed Type1
Filtered Rows
Filtered Rows1

Prefix , Occupation :
Remove Empty:



Count Before Duplicate : 18015

$$18,015 - 1000 \text{ unique} \\ = 17,015 [1000 \text{ distinct}]$$

$\overrightarrow{\sim 17 \text{ repeated value}}$

Count After removing Duplicate : 8169

Transform Add Column

replace/update sheet on the existing table
[Inplace = True]

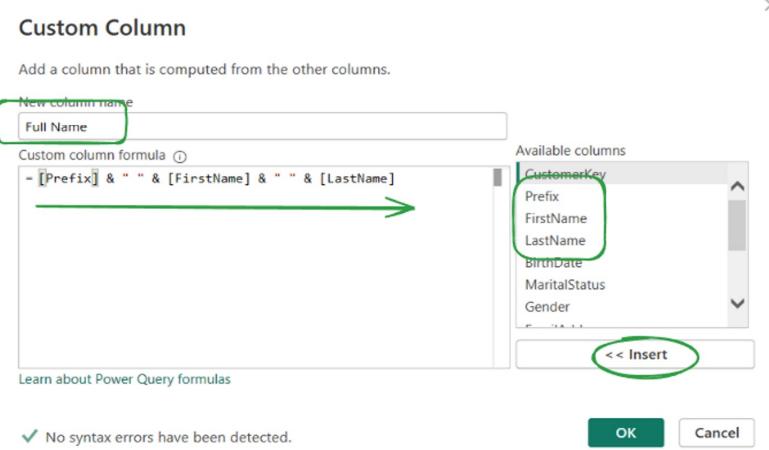
3. Removing duplicates present on Birth Date Column.

Combine the columns "prefix, first name, and last name" and name it "Full Name".

Add Column

Column From Custom Examples ▾ Column

Custom Column



- Sort the annual income column in descending order.

Don't, Forget to save the file.

Column
AnnualIncome
BirthDate
CustomerKey
EducationLevel
EmailAddress
FirstName
Full Name
Full Names
Gender
HomeOwner
LastName
MaritalStatus
Occupation
Prefix
TotalChildren