Queries [14]

- Transform File from data [2]
  - Helper Queries [3]
    - Sample File
    - Parameter1 (Sample File)
    - *fx* Transform File
    - Transform Sample File
- Other Queries [10]
  - AW_Product_Lookup
  - AW_Customer_Lookup
  - AW_Calendar_Lookup
  - AdventureWorks_Sales_2015
  - AdventureWorks_Sales_2016
  - AdventureWorks_Sales_2017
  - Sale_AppendMode
  - Sale_FolderMode
  - AW_Product_Category_Lookup
  - AW_Product_Subcategory_Lo

Context menu:
- Copy
- Paste
- Delete
- Rename
- Enable load ✓
- Include in report refresh ✓
- Duplicate
- Reference
- Move To Group
- Move Up
- Move Down

Formula bar: `= Table.TransformColumnTypes(#"Promoted Headers",{{"ProductSubcategoryKey", Int64.Type},`

ProductSubcategoryKey	SubcategoryName	ProductCategoryKey
1	Mountain Bikes	1
2	Road Bikes	1
3	Touring Bikes	1
4	Handlebars	2
5	Bottom Brackets	2
6	Brakes	2
7	Chains	2
8	Cranksets	2
9	Derailleurs	2
10	Forks	2
11	Headsets	2
12	Mountain Frames	2
13	Pedals	2
14	Road Frames	2
15	Saddles	2
16	Touring Frames	2
17	Wheels	2
18	Bib-Shorts	3
19	Caps	3

Query Settings

PROPERTIES

Name

AW_Product_Subcategor

All Properties

APPLIED STEPS

- Source
- Promoted Headers
- Changed Type

Extract all characters before " -" and column renamed

Extract all characters beofre second "-"

"0" replaced with "NA"

15% discount calculated

ProductSKU	SKU Type	Text Before Delimiter	ProductStyle	Discount (15%)
HL-U509-R	HL	HL-U509	NA	29.7415
TIL-U509	TIL	TIL-U509	NA	28.59757
SO B909 M	SO	SO B909	U	8.079
SO B909 L	SO	SO B909	U	8.079
HL-U509-B	HL	HL-U509	NA	28.59757
CA-1098	CA	CA-1098	U	7.34757
LJ-0192-S	LJ	LJ-0192	U	40.857209
LJ-0192-M	LJ	LJ-0192	U	40.857205
LJ-0192-L	LJ	LJ-0192	U	40.857205
LJ-0192-X	LJ	LJ-0192	U	40.857205
FR-R92R-62	FR	FR-R92R	U	1073.94083
FR-R92R-44	FR	FR-R92R	U	1073.94083
FR-R92R-48	FR	FR-R92R	U	1073.94083
FR-R92R-52	FR	FR-R92R	U	1073.94083

Average product cost ($413.66)

413.66100921501641

Number of distinct product colors (10)

10

Number of distinct customer names (**18,110**)

```
X  ✓  fx    = List.NonNullCount(List.Distinct(#"Capitalized Each Word1"[FullName]))
```
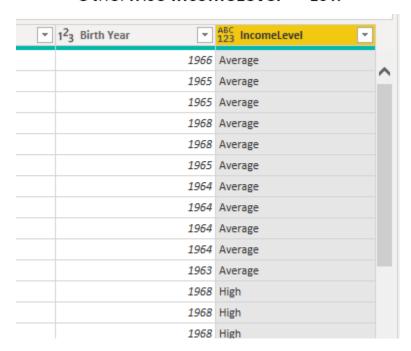18110

Maximum annual customer income (**$170,000**)

```
X  ✓  fx    = List.Max(#"Capitalized Each Word1"[AnnualIncome])
```
170000

Count of order numbers (**56,046**)

```
X  ✓  fx    = List.NonNullCount(#"Changed Type"[OrderNumber])
```
56046

Count of distinct order numbers (**25,164**)

```
X  ✓  fx    = List.NonNullCount(List.Distinct(#"Changed Type"[OrderNumber]))
```
25164

4) Make the following modifications to the AW_Customer_Lookup query:

- Add a new calculated column for the year of birth (named "**BirthYear**"), based on **BirthDate**
- Add a conditional column to categorize customer income (named "**IncomeLevel**"), based on the following criteria :
  - If **AnnualIncome** >= $150,000, then **IncomeLevel** = "*Very High*"
  - If **AnnualIncome** >= $100,000, then **IncomeLevel** = "*High*"
  - If **AnnualIncome** >= $50,000, then **IncomeLevel** = "*Average*"
  - Otherwise **IncomeLevel** = "*Low*"

1²₃ Birth Year	ABC 123 IncomeLevel
1966	Average
1965	Average
1965	Average
1968	Average
1968	Average
1965	Average
1964	Average
1964	Average
1964	Average
1964	Average
1963	Average
1968	High
1968	High
1968	High

5) Apply all changes, and confirm that new tables and fields are accessible
within both the **Data** and **Relationships** views (recommend saving a backup copy of
the report (i.e.
"AdventureWorks_Report_Backup"))