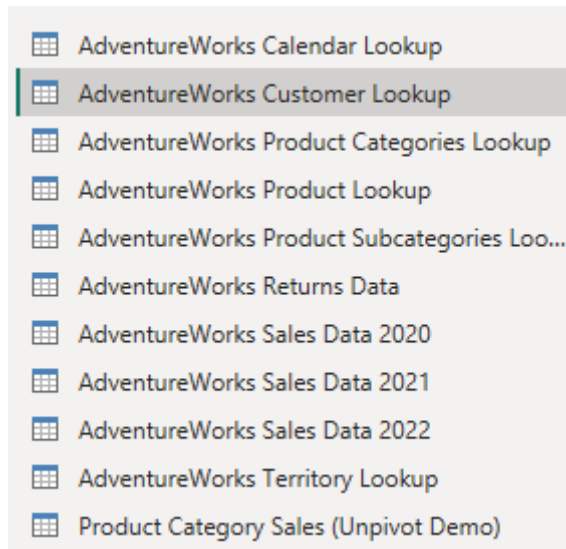


## Power Query Assignment

- Create queries to connect to all .csv files in the folder into power query



- Confirm that column headers have been promoted and that all data types are correct
- Add a new column to extract all characters before the dash (""-""") in the Product SKU column, and name it “SKU Type”

SKU Type	ProductSKU.2
HL-	U509-R
HL-	U509
SO-	B909-M
SO-	B909-L
HL-	U509-B
CA-	1098
LI-	0192-S
LI-	0192-M
LI-	0192-L
LI-	0192-X
FR-	R92R-62
FR-	R92R-44

- Update the SKU Type calculation above to return all characters before second dash

A <sup>B</sup> <sub>C</sub> SKU Type	A <sup>B</sup> <sub>C</sub> ProductSKU
HL-U509	R
HL-U509	
SO-B909	M
SO-B909	L
HL-U509	B
CA-1098	
LJ-0192	S
LJ-0192	M
LJ-0192	L
LJ-0192	X
FR-R92R	62
FR-R92R	44

- Replace zeros (0) in the Product Style column with “NA”

A <sup>B</sup> <sub>C</sub> ProductStyle
NA
NA
U
U
NA
U
U
U
U
U
U
U

#### a) Implement text transformations

- Duplicate the email address column and name it “Domain Name”

A <sup>B</sup> <sub>C</sub> Domain Name
jon24@adventure-works.com
eugene10@adventure-works.com
ruben35@adventure-works.com
christy12@adventure-works.com
elizabeth5@adventure-works.com
julio1@adventure-works.com
marco14@adventure-works.com
rob4@adventure-works.com
shannon38@adventure-works.com
jacquelyn20@adventure-works.com
curtis9@adventure-works.com
lauren41@adventure-works.com

- In the new column, remove all text/characters except for the domain name

A <sup>B</sup> <sub>C</sub> Domain Name
adventure-works
adventure-works
adventure-works
adventure-works
adventure-works
adventure-works
adventure-works
adventure-works
adventure-works
adventure-works
adventure-works
adventure-works

- Use transformation steps to clean up and capitalize the domain names (i.e. “Adventure Works”)

A <sup>B</sup> C Domain Name
Adventure Works
Adventure Works
Adventure Works
Adventure Works
Adventure Works
Adventure Works
Adventure Works
Adventure Works
Adventure Works
Adventure Works
Adventure Works
Adventure Works
Adventure Works
Adventure Works
Adventure Works

## b) Numeric tools

- What is our average product cost?

✕ ✓ *fx*

= List.Average(#"Replaced Value1"[ProductCost])

413.66100921501641

- How many colours do we sell our products in?

✕ ✓ *fx*

= List.NonNullCount(List.Distinct(#"Replaced Value1"[ProductColor]))

10

- How many distinct customers do we have?

✕ ✓ *fx*

= Table.RowCount(#"Replaced Value")

18154

- What is the maximum annual customer income?

✕ ✓ *fx*

= List.Max(#"Replaced Value"[AnnualIncome])

170000

- Return the tables to their original state

## c) Date Transformations

	ABC 123 MonthName	ABC 123 MonthNumber	ABC 123 StartOfYear	ABC 123 Year
1	January	1	01-01-2020	2020
2	February	2	01-01-2020	2020
3	March	3	01-01-2020	2020
4	April	4	01-01-2020	2020
5	May	5	01-01-2020	2020
6	June	6	01-01-2020	2020
7	July	7	01-01-2020	2020
8	August	8	01-01-2020	2020
9	September	9	01-01-2020	2020
10	October	10	01-01-2020	2020
11	November	11	01-01-2020	2020
12	December	12	01-01-2020	2020