

Day-14

Text tools :

Loading data

Table: TransformColumnTypes(#"Promoted Headers",{{"ProductSubcategoryKey", Int64.Type}, {"SubcategoryName", 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	Deraileurs	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
20	Gloves	3

3 COLUMNS, 37 ROWS Column profiling based on top 1000 rows PREVIEW DOWNLOADED AT 10:59 PM

Adding new column

Table.AddColumn(#"Renamed Columns", "Text Between Delimiters", each Text.BetweenDelimiters([ProductSKU], "-", "-"), type text)

ProductStyle	ProductCost	ProductPrice	SKU Type	Text Before Delimiter.1	Text Between Delimiters
0	13.0863	34.99	HL	HL-U509	U509
0	12.0278	33.6442	HL	HL-U509	U509
U	3.3963	9.5	SO	SO-B909	B909
U	3.3963	9.5	SO	SO-B909	B909
0	12.0278	33.6442	HL	HL-U509	U509
U	5.7052	8.6442	CA	CA-1098	1098
U	31.7244	48.0673	LI	LI-0192	0192
U	31.7244	48.0673	LI	LI-0192	0192
U	31.7244	48.0673	LI	LI-0192	0192
U	31.7244	48.0673	LI	LI-0192	0192
U	747.9682	1263.4598	FR	FR-R92R	R92R
U	747.9682	1263.4598	FR	FR-R92R	R92R
U	747.9682	1263.4598	FR	FR-R92R	R92R
U	747.9682	1263.4598	FR	FR-R92R	R92R
U	747.9682	1263.4598	FR	FR-R92R	R92R
U	176.1997	297.6346	FR	FR-R38B	R38B
U	176.1997	297.6346	FR	FR-R38B	R38B
U	176.1997	297.6346	FR	FR-R38B	R38B
U	181.4857	306.5636	FR	FR-R38R	R38R
U	181.4857	306.5636	FR	FR-R38R	R38R
U	181.4857	306.5636	FR	FR-R38R	R38R

FR-R38R

Extracting data from column

Table.TransformColumns(#'Renamed Columns', {{'Domain Name', each Text.AfterDelimiter(_, """, type text)}})

	AnnualIncome	TotalChildren	EducationLevel	Occupation	HomeOwner	Domain Name
1	90000	2	Bachelors	Professional	Y	adventure-works.com
2	60000	3	Bachelors	Professional	N	adventure-works.com
3	60000	3	Bachelors	Professional	Y	adventure-works.com
4	70000	0	Bachelors	Professional	N	adventure-works.com
5	80000	5	Bachelors	Professional	Y	adventure-works.com
6	70000	0	Bachelors	Professional	Y	adventure-works.com
7	60000	3	Bachelors	Professional	Y	adventure-works.com
8	60000	4	Bachelors	Professional	Y	adventure-works.com
9	70000	0	Bachelors	Professional	N	adventure-works.com
10	70000	0	Bachelors	Professional	N	adventure-works.com
11	60000	4	Bachelors	Professional	Y	adventure-works.com
12	100000	2	Bachelors	Management	Y	adventure-works.com
13	100000	2	Bachelors	Management	Y	adventure-works.com
14	100000	3	Bachelors	Management	N	adventure-works.com
15	30000	0	Partial College	Skilled Manual	N	adventure-works.com
16	30000	0	Partial College	Skilled Manual	Y	adventure-works.com
17	20000	4	High School	Skilled Manual	Y	adventure-works.com
18	30000	2	Partial College	Clerical	Y	adventure-works.com
19	40000	0	High School	Skilled Manual	N	adventure-works.com
20	40000	0	High School	Skilled Manual	N	adventure-works.com
21	40000	0	Partial College	Skilled Manual	N	adventure-works.com
22	40000	0	Partial College	Skilled Manual	Y	adventure-works.com
23	40000	0	Partial College	Skilled Manual	Y	adventure-works.com
24	60000	0	Partial College	Skilled Manual	Y	adventure-works.com
25	10000	2	Partial High School	Clerical	Y	adventure-works.com
26	30000	2	Partial College	Clerical	N	adventure-works.com
27	30000	2	Partial College	Clerical	Y	adventure-works.com
28						

Numerical tools:

Loading data

Table.TransformColumnTypes(#'Promoted Headers', {{'CustomerKey', Int64.Type}, {'Prefix', type text}, {'FirstName', type text}, {'LastName', type text}, {'BirthDate', type date}, {'MaritalStatus', type text}, {'Gender', type text}})

	CustomerKey	Prefix	FirstName	LastName	BirthDate	MaritalStatus	Gender
1	11000	MR.	JON	YANG	4/8/1966	M	M
2	11001	MR.	EUGENE	HUANG	5/14/1965	S	M
3	11002	MR.	RUBEN	TORRES	8/12/1965	M	M
4	11003	MS.	CHRISTY	ZHU	2/15/1968	S	F
5	11004	MRS.	ELIZABETH	JOHNSON	8/8/1968	S	F
6	11005	MR.	JULIO	RUIZ	8/5/1965	S	M
7	11007	MR.	MARCO	MEHTA	5/9/1964	M	M
8	11008	MRS.	ROBIN	VERHOFF	7/7/1964	S	F
9	11009	MR.	SHANNON	CARLSON	4/1/1964	S	M
10	11010	MS.	JACQUELYN	SUAREZ	2/6/1964	S	F
11	11011	MR.	CURTIS	LU	11/4/1963	M	M
12	11012	MRS.	LAUREN	WALKER	1/18/1968	M	F
13	11013	MR.	IAN	JENKINS	8/6/1968	M	M
14	11014	MRS.	SYDNEY	BENNETT	5/9/1968	S	F
15	11015	MS.	CHLOE	YOUNG	2/27/1979	S	F
16	11016	MR.	WYATT	HILL	4/28/1979	M	M
17	11017	MRS.	SHANNON	WANG	6/26/1944	S	F
18	11018	MR.	CLARENCE	RAI	10/9/1944	S	M
19	11019	MR.	LUKE	LAL	3/7/1978	S	M
20	11020	MR.	JORDAN	KING	9/20/1978	S	M
21	11021	MS.	DESTINY	WILSON	9/3/1978	S	F
22	11022	MR.	ETHAN	ZHANG	10/12/1978	M	M
23	11023	MR.	SETH	EDWARDS	10/11/1978	M	M
24	11024	MR.	RUSSELL	XIE	9/17/1978	M	M
25	11025		ALEJANDRO	BECK	12/23/1945	M	NA
26	11026	MR.	HAROLD	SAI	4/3/1946	S	M
27	11027	MR.	JESSIE	ZHAO	12/7/1946	M	M
28							

Avg product cost:

Queries [4]

Product Categories Look...

Product Subcategories L...

Product Lookup

Customer Lookup

✕

✓

fx

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

▼

413.66100921501641

Query Settings

PROPERTIES

Name

Product Lookup

All Properties

APPLIED STEPS

Source

Promoted Headers

Changed Type

Inserted Text Before Delimiter

Inserted Text Before Delimiter1

Renamed Columns

Inserted Text Between Delimit...

Replaced Value

Calculated Average

Calculated Distinct Count

Distinct product color:

Queries [4]

Product Categories Look...

Product Subcategories L...

Product Lookup

Customer Lookup

✕

✓

fx

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

▼

10

Query Settings

PROPERTIES

Name

Product Lookup

All Properties

APPLIED STEPS

Source

Promoted Headers

Changed Type

Inserted Text Before Delimiter

Inserted Text Before Delimiter1

Renamed Columns

Inserted Text Between Delimit...

Replaced Value

Calculated Distinct Count

Max annual income:

Queries [4]

Product Categories Look...

Product Subcategories L...

Product Lookup

Customer Lookup

✕

✓

fx

= List.Max(#"Sorted Rows"[AnnualIncome])

▼

170000

Query Settings

PROPERTIES

Name

Customer Lookup

All Properties

APPLIED STEPS

Source

Promoted Headers

Changed Type

Duplicated Column

Renamed Columns

Extracted Text After Delimiter

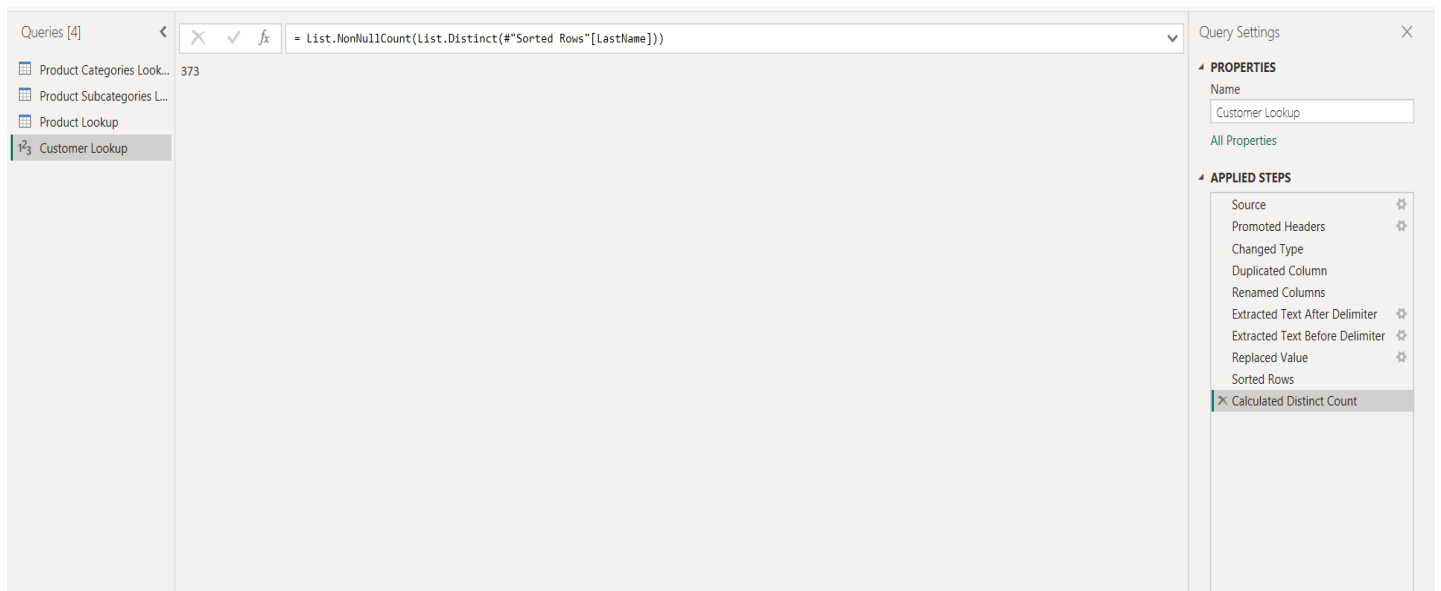
Extracted Text Before Delimiter

Replaced Value

Sorted Rows

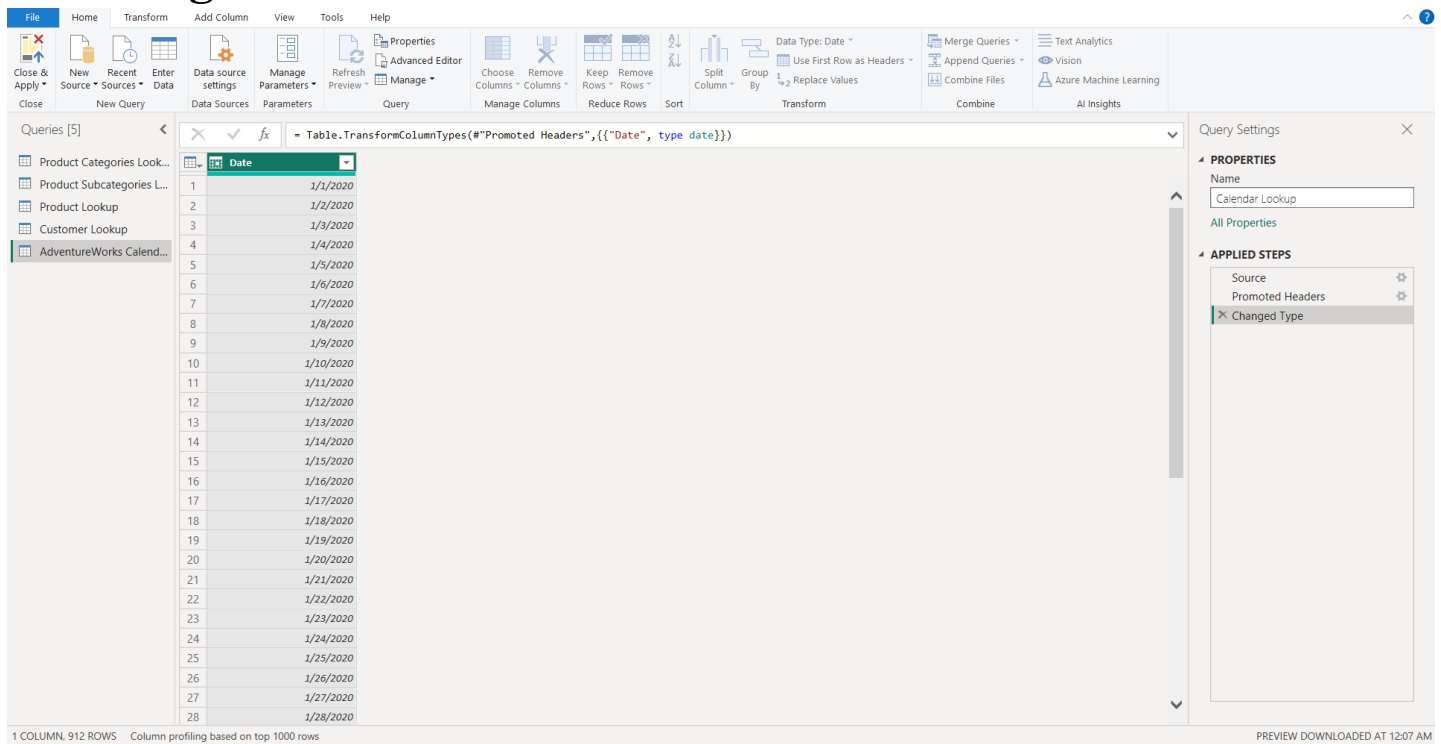
Calculated Maximum

Distinct last name



Calander table:

Inserting table:



Month name:

FileHomeTransformAdd ColumnViewToolsHelp

Column From Custom Invoke Custom Examples * Column Function

Conditional ColumnIndex ColumnDuplicate Column

FormatMerge ColumnsABC 123 ExtractParseFrom Text

Statistics Standard Scientific10²TrigonometryRoundingInformationFrom Number

DateTimeDurationFrom Date & Time

Text AnalyticsVision Azure Machine LearningAI Insights

Queries [5]

Product Categories Look...
Product Subcategories L...
Product Lookup
Customer Lookup
Calendar Lookup

	Date	Month Name
1	1/1/2020	January
2	1/2/2020	January
3	1/3/2020	January
4	1/4/2020	January
5	1/5/2020	January
6	1/6/2020	January
7	1/7/2020	January
8	1/8/2020	January
9	1/9/2020	January
10	1/10/2020	January
11	1/11/2020	January
12	1/12/2020	January
13	1/13/2020	January
14	1/14/2020	January
15	1/15/2020	January
16	1/16/2020	January
17	1/17/2020	January
18	1/18/2020	January
19	1/19/2020	January
20	1/20/2020	January
21	1/21/2020	January
22	1/22/2020	January
23	1/23/2020	January
24	1/24/2020	January
25	1/25/2020	January
26	1/26/2020	January
27	1/27/2020	January
28	1/28/2020	January

Table.AddColumn(#"Changed Type", "Month Name", each Date.MonthName([Date]), type text)

Query Settings

PROPERTIES

NameCalendar Lookup

All Properties

APPLIED STEPS

SourcePromoted HeadersChanged TypeX Inserted Month Name

Month :

FileHomeTransformAdd ColumnViewToolsHelp

Column From Custom Invoke Custom Examples * Column Function

Conditional ColumnIndex ColumnDuplicate Column

FormatMerge ColumnsABC 123 ExtractParseFrom Text

Statistics Standard Scientific10²TrigonometryRoundingInformationFrom Number

DateTimeDurationFrom Date & Time

Text AnalyticsVision Azure Machine LearningAI Insights

Queries [5]

Product Categories Look...
Product Subcategories L...
Product Lookup
Customer Lookup
Calendar Lookup

	Date	Month Name	Month
1	1/1/2020	January	1
2	1/2/2020	January	1
3	1/3/2020	January	1
4	1/4/2020	January	1
5	1/5/2020	January	1
6	1/6/2020	January	1
7	1/7/2020	January	1
8	1/8/2020	January	1
9	1/9/2020	January	1
10	1/10/2020	January	1
11	1/11/2020	January	1
12	1/12/2020	January	1
13	1/13/2020	January	1
14	1/14/2020	January	1
15	1/15/2020	January	1
16	1/16/2020	January	1
17	1/17/2020	January	1
18	1/18/2020	January	1
19	1/19/2020	January	1
20	1/20/2020	January	1
21	1/21/2020	January	1
22	1/22/2020	January	1
23	1/23/2020	January	1
24	1/24/2020	January	1
25	1/25/2020	January	1
26	1/26/2020	January	1
27	1/27/2020	January	1
28	1/28/2020	January	1

Table.AddColumn(#"Inserted Month Name", "Month", each Date.Month([Date]), Int64.Type)

Query Settings

PROPERTIES

NameCalendar Lookup

All Properties

APPLIED STEPS

SourcePromoted HeadersChanged TypeInserted Month NameX Inserted Month

3 COLUMNS, 912 ROWS

Column profiling based on top 1000 rows

PREVIEW DOWNLOADED AT 12:11 AM

Start of year:

FileHomeTransformAdd ColumnViewToolsHelp

Column From Custom Invoke Custom ExamplesColumnFunction

Conditional ColumnIndex ColumnDuplicate Column

FormatMerge ColumnsABC123ExtractFrom Text

Statistics Standard Scientific10²TrigonometryRoundingInformation

DateTimeDurationFrom Date & Time

Text AnalyticsVision Azure Machine LearningAI Insights

Queries [5]

Product Categories Look...

Product Subcategories L...

Product Lookup

Customer Lookup

Calendar Lookup

fx

= Table.AddColumn("#Inserted Month", "Start of Year", each Date.StartOfYear([Date]), type date)

	Date	Month Name	Month	Start of Year
1	1/1/2020	January	1	1/1/2020
2	1/2/2020	January	1	1/1/2020
3	1/3/2020	January	1	1/1/2020
4	1/4/2020	January	1	1/1/2020
5	1/5/2020	January	1	1/1/2020
6	1/6/2020	January	1	1/1/2020
7	1/7/2020	January	1	1/1/2020
8	1/8/2020	January	1	1/1/2020
9	1/9/2020	January	1	1/1/2020
10	1/10/2020	January	1	1/1/2020
11	1/11/2020	January	1	1/1/2020
12	1/12/2020	January	1	1/1/2020
13	1/13/2020	January	1	1/1/2020
14	1/14/2020	January	1	1/1/2020
15	1/15/2020	January	1	1/1/2020
16	1/16/2020	January	1	1/1/2020
17	1/17/2020	January	1	1/1/2020
18	1/18/2020	January	1	1/1/2020
19	1/19/2020	January	1	1/1/2020
20	1/20/2020	January	1	1/1/2020
21	1/21/2020	January	1	1/1/2020
22	1/22/2020	January	1	1/1/2020
23	1/23/2020	January	1	1/1/2020
24	1/24/2020	January	1	1/1/2020
25	1/25/2020	January	1	1/1/2020
26	1/26/2020	January	1	1/1/2020
27	1/27/2020	January	1	1/1/2020
28	1/28/2020	January	1	1/1/2020

Query Settings

PROPERTIES

NameCalendar Lookup

APPLIED STEPS

SourcePromoted HeadersChanged TypeInserted Month NameInserted Month

Inserted Start of Year

4 COLUMNS, 912 ROWSColumn profiling based on top 1000 rowsPREVIEW DOWNLOADED AT 12:12 AM

Year:

FileHomeTransformAdd ColumnViewToolsHelp

Column From Custom Invoke Custom ExamplesColumnFunction

Conditional ColumnIndex ColumnDuplicate Column

FormatMerge ColumnsABC123ExtractFrom Text

Statistics Standard Scientific10²TrigonometryRoundingInformation

DateTimeDurationFrom Date & Time

Text AnalyticsVision Azure Machine LearningAI Insights

Queries [5]

Product Categories Look...

Product Subcategories L...

Product Lookup

Customer Lookup

Calendar Lookup

fx

= Table.AddColumn("#Inserted Start of Year", "Year", each Date.Year([Date]), Int64.Type)

	Date	Month Name	Month	Start of Year	Year
1	1/1/2020	January	1	1/1/2020	2020
2	1/2/2020	January	1	1/1/2020	2020
3	1/3/2020	January	1	1/1/2020	2020
4	1/4/2020	January	1	1/1/2020	2020
5	1/5/2020	January	1	1/1/2020	2020
6	1/6/2020	January	1	1/1/2020	2020
7	1/7/2020	January	1	1/1/2020	2020
8	1/8/2020	January	1	1/1/2020	2020
9	1/9/2020	January	1	1/1/2020	2020
10	1/10/2020	January	1	1/1/2020	2020
11	1/11/2020	January	1	1/1/2020	2020
12	1/12/2020	January	1	1/1/2020	2020
13	1/13/2020	January	1	1/1/2020	2020
14	1/14/2020	January	1	1/1/2020	2020
15	1/15/2020	January	1	1/1/2020	2020
16	1/16/2020	January	1	1/1/2020	2020
17	1/17/2020	January	1	1/1/2020	2020
18	1/18/2020	January	1	1/1/2020	2020
19	1/19/2020	January	1	1/1/2020	2020
20	1/20/2020	January	1	1/1/2020	2020
21	1/21/2020	January	1	1/1/2020	2020
22	1/22/2020	January	1	1/1/2020	2020
23	1/23/2020	January	1	1/1/2020	2020
24	1/24/2020	January	1	1/1/2020	2020
25	1/25/2020	January	1	1/1/2020	2020
26	1/26/2020	January	1	1/1/2020	2020
27	1/27/2020	January	1	1/1/2020	2020
28	1/28/2020	January	1	1/1/2020	2020

Query Settings

PROPERTIES

NameCalendar Lookup

APPLIED STEPS

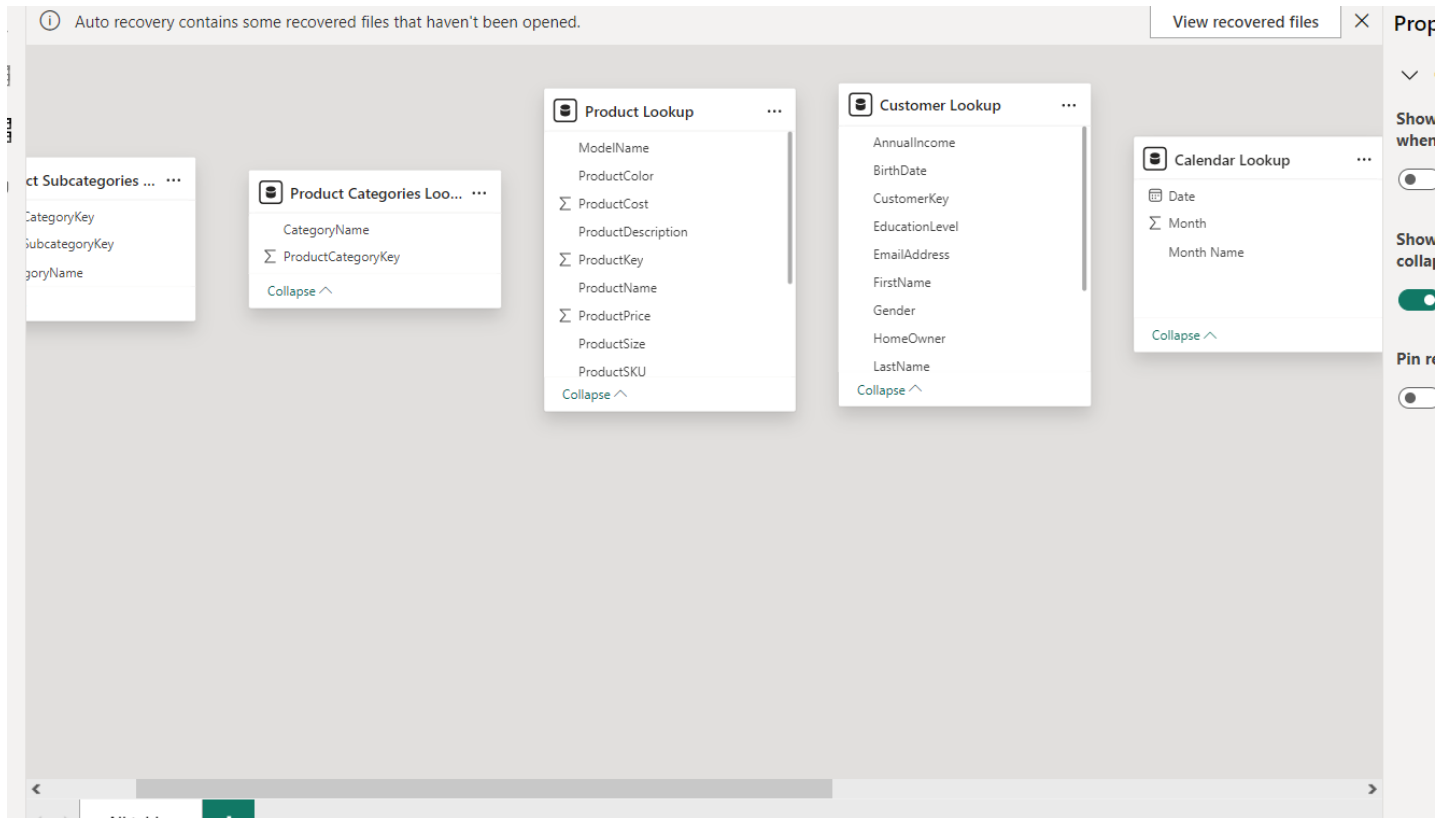
SourcePromoted HeadersChanged TypeInserted Month NameInserted MonthInserted Start of Year

Inserted Year

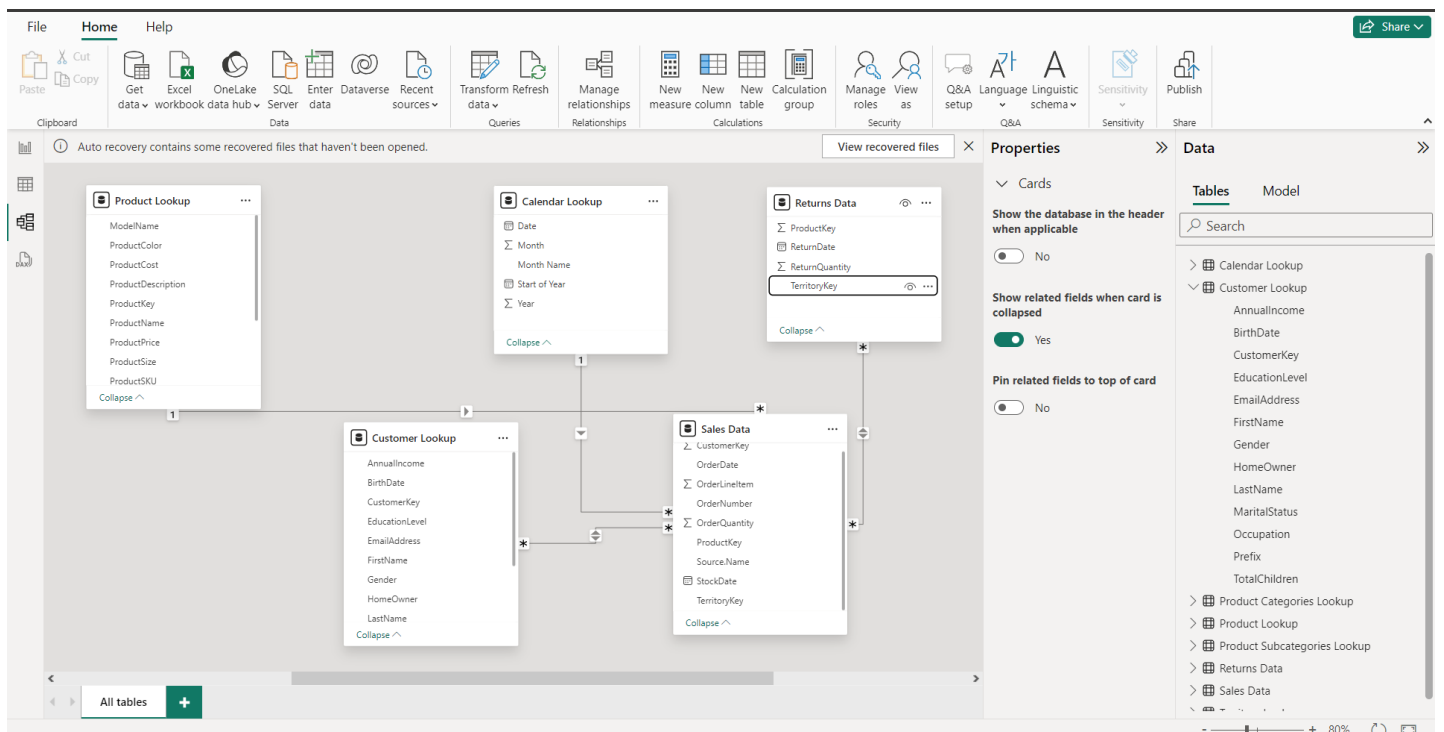
5 COLUMNS, 912 ROWSColumn profiling based on top 1000 rowsPREVIEW DOWNLOADED AT 12:13 AM

Day-15

Deleting existing connections:



Creating new connections



Star connection:

