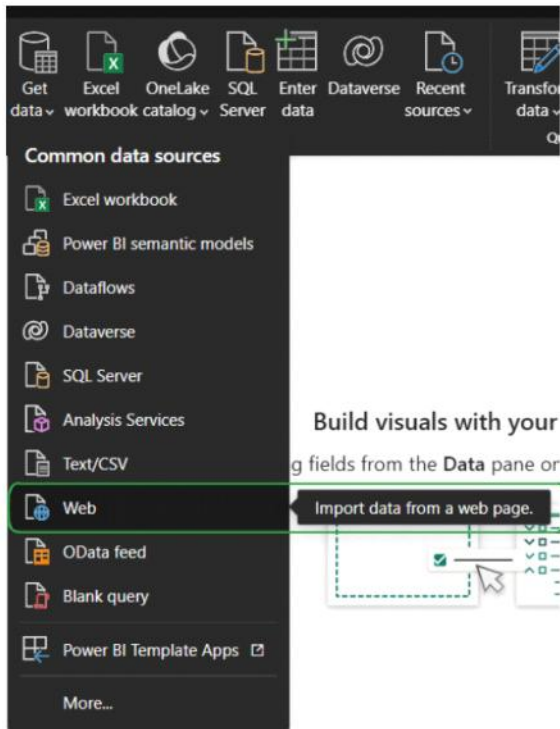


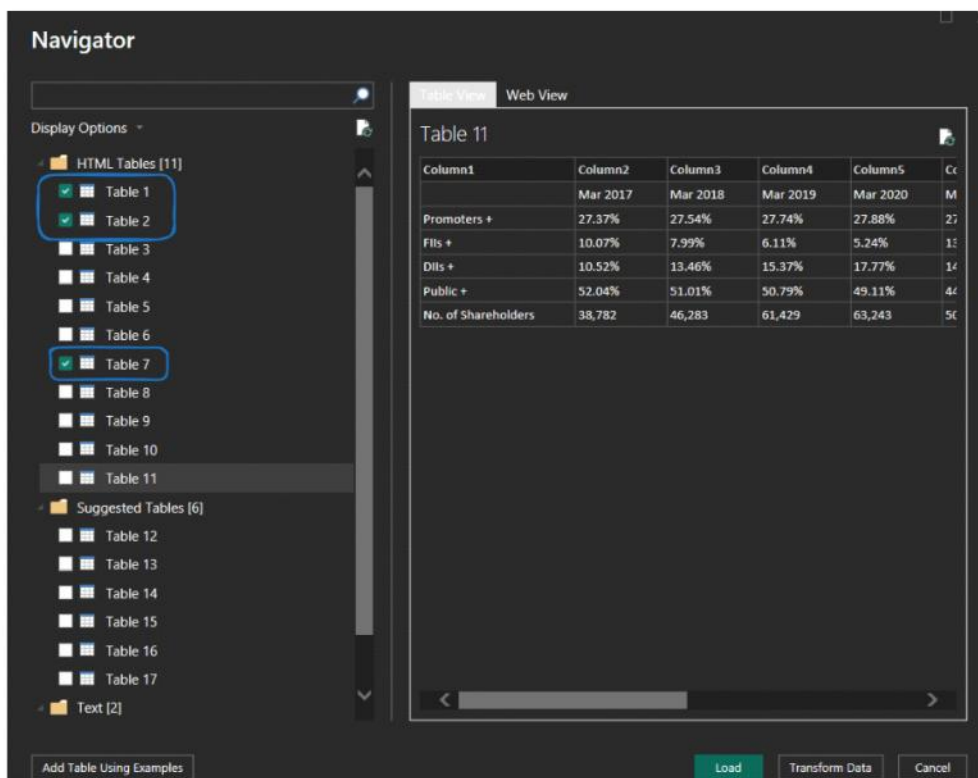
Data Cleaning with Power BI

- Web Scrapping
- Scenario Based Cleaning
- Add Columns
- Rolling Calendar [Invoke Custom Columns]



Website

1. Cricbuzz / ESPNCricInfo / Crex
2. Wikipedia[Tabular]
3. Screener [Stock Analysis]
4. IPL-T20



Queries [1]

Table.TransformColumnTypes(*Extracted Table From Html*,({"Column1", type text}, {"Column2", type text}, {"Column3", type text}, {"Column4", type text}, {"Column5", type text}, {"Column6", type text}, {"Column7", type text}),

Column1 Column2 Column3 Column4 Column5 Column6 Column7

Valid 91% Valid 100% Valid 100% Valid 100% Valid 100% Valid 100% Valid 100%

Error 0% Error 0% Error 0% Error 0% Error 0% Error 0% Error 0%

Empty 9% Empty 0% Empty 0% Empty 0% Empty 0% Empty 0% Empty 0%

11 distinct, 11 unique 10 distinct, 9 unique 10 distinct, 9 unique 10 distinct, 9 unique 10 distinct, 9 unique 10 distinct, 9 unique 10 distinct, 9 unique

	Sep 2013	Sep 2014	Mar 2016	Mar 2017	Mar 2018	Mar 2019
1						
2	Equity Capital	4	4	4	4	4
3	Reserves	3,651	4,535	7,220	8,637	9,734
4	Borrowings +	1,599	1,903	2,464	2,333	2,163
5	Other Liabilities +	3,023	3,391	3,566	4,075	4,577
6	Total Liabilities	8,278	9,833	13,254	15,048	16,478
7	Fixed Assets +	2,974	3,436	4,808	5,502	6,092
8	CWIP	329	628	1,059	848	1,079
9	Investments	904	1,081	3,138	3,382	4,145
10	Other Assets +	4,041	4,688	4,448	5,316	5,162
11	Total Assets	8,278	9,833	13,254	15,048	16,478

Query Settings

PROPERTIES

Name

Table 7

APPLIED STEPS

Source

Extracted Table From Html

Changed Type

Customers

Sales

Sales detail

Product Information Po...

sample_json_column

Product Summary

Exploring_Features

Split_Feature

Table 1

Table 2

Table 7

Quarterly Results

Profit & Loss

Balance Sheet

Column1 Column2 Column3 Column4 Column5 Column6 Column7

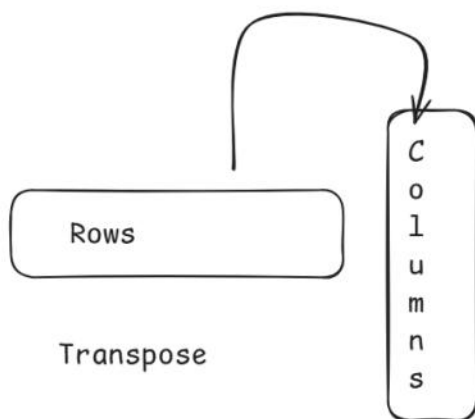
Valid 92% Valid 92% Valid 92% Valid 92% Valid 92% Valid 92% Valid 92%

Error 0% Error 0% Error 0% Error 0% Error 0% Error 0% Error 0%

Empty 8% Empty 8% Empty 8% Empty 8% Empty 8% Empty 8%

13 distinct, 13 unique 13 distinct, 13 unique 13 distinct, 13 unique 13 distinct, 13 unique 13 distinct, 13 unique 13 distinct, 13 unique 13 distinct, 13 unique

	Sep 2022	Dec 2022	Mar 2023	Jun 2023	Sep 2023	Dec 2023
1						
2	Sales +	5,826	5,645	5,842	6,440	6,217
3	Expenses +	5,346	5,083	4,988	5,310	5,060
4	Operating Profit	481	562	854	1,130	1,157
5	OPM %	8%	10%	15%	18%	19%
6	Other Income +	77	71	70	75	71
7	Interest	75	86	92	84	86
8	Depreciation	309	316	330	333	351
9	Profit before tax	174	231	501	787	791
10	Tax %	25%	24%	32%	25%	26%
11	Net Profit +	130	175	341	589	587
12	EPS in Rs	306.19	412.23	803.19	1,388.20	1,383.27



Home Transform Add Column View Tools Help

Group By Use First Row as Headers Count Rows

Transpose Reverse Rows

Data Type: Text Replace Values Detect Data Type Fill Pivot Column Rename Convert to List

Table Any Column

Column1 Column2 Column3 Column4 Column5 Column6 Column7

Valid 100% Valid 100% Valid 100% Valid 100% Valid 100% Valid 100% Valid 100%

Error 0% Error 0% Error 0% Error 0% Error 0% Error 0% Error 0%

Empty 0% Empty 0% Empty 0% Empty 0% Empty 0% Empty 0%

100% 100% 100% 100% 100% 100% 100%

	Sales +	Expenses +	Operating Profit	OPM %	Other Income +	Interest
Sep 2022	5,826	5,346	481	8%	77	75
Dec 2022	5,645	5,083	562	10%	71	86
Mar 2023	5,842	4,988	854	15%	70	92
Jun 2023	6,440	5,310	1,130	18%	75	84
Sep 2023	6,217	5,060	1,157	19%	71	86
Dec 2023	6,162	5,108	1,055	17%	78	90
Mar 2024	6,349	5,437	912	14%	94	93
Jun 2024	7,196	6,037	1,160	16%	84	85
Sep 2024	6,881	5,870	1,011	15%	113	84
Dec 2024	7,001	6,166	835	12%	98	94
Mar 2025	7,075	5,996	1,079	15%	113	98
Jun 2025	7,676	6,604	1,071	14%	126	98
Sep 2025	7,379	6,253	1,126	15%	108	90

PROPERTIES

Name

Quarterly Results

APPLIED STEPS

Source

Extracted Table From Html

Transposed Table

Table.PromoteHeaders("#Transposed Table", [PromoteAllScalars=true])

	ABC 123	ABC 123 Sales +	ABC 123 Expenses +	ABC 123 Operating Profit	ABC 123 OPM %	ABC 123 Other Income +	ABC 123 Interest
	Valid 100%	Valid 100%	Valid 100%	Valid 100%	Valid 100%	Valid 100%	Valid 100%
	Error 0%	Error 0%	Error 0%	Error 0%	Error 0%	Error 0%	Error 0%
	Empty 0%	Empty 0%	Empty 0%	Empty 0%	Empty 0%	Empty 0%	Empty 0%
1	Sep 2022	5,826	5,346	481	8%	77	75
2	Dec 2022	5,645	5,083	562	10%	71	86
3	Mar 2023	5,842	4,988	854	15%	70	92
4	Jun 2023	6,440	5,310	1,130	18%	75	84
5	Sep 2023	6,217	5,060	1,157	19%	71	86
6	Dec 2023	6,162	5,108	1,055	17%	78	90
7	Mar 2024	6,349	5,437	912	14%	94	93
8	Jun 2024	7,196	6,037	1,160	16%	84	85
9	Sep 2024	6,881	5,870	1,011	15%	113	84
10	Dec 2024	7,001	6,166	835	12%	98	94
11	Mar 2025	7,075	5,996	1,079	15%	113	98
12	Jun 2025	7,676	6,604	1,071	14%	126	98
13	Sep 2025	7,379	6,253	1,126	15%	108	90

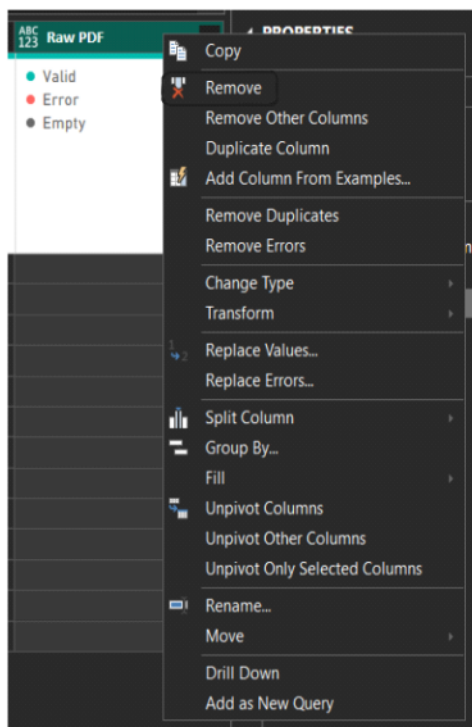
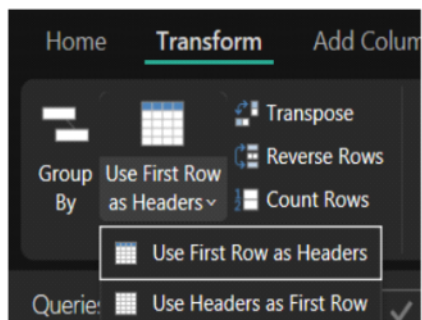
Query Settings

PROPERTIES

Name: Quarterly Results

APPLIED STEPS

- Source
- Extracted Table From HTML
- Transposed Table
- Promoted Headers



Replace Values

Replace one value with another in the selected columns.

Value To Find

18m

Replace With

Advanced options

OK Cancel

Table.ReplaceValue("#Promoted Headers", "18m", "", Replacer.ReplaceText, {""})

ABC

123

Sales +

Valid

100%

Error

0%

Empty

0%

13 distinct, 13 unique

ABC

123

Expenses +

Valid

100%

Error

0%

Empty

0%

ABC

123

Operating Profit

Valid

100%

Error

0%

Empty

0%

ABC

123

OPM %

Valid

100%

Error

0%

Empty

0%

ABC

123

Other Income

Valid

100%

Error

0%

Empty

0%

1

Sep 2013

12,248

2

Sep 2014

13,329

3

Mar 2016

20,179

4

Mar 2017

13,412

5

Mar 2018

14,954

6

Mar 2019

16,062

13,744

2,317

14%

416

7

Mar 2020

16,237

13,855

2,382

15%

335

8

Mar 2021

16,162

13,208

2,954

18%

205

9

Mar 2022

19,317

17,256

2,061

11%

315

10

Mar 2023

23,008

20,604

2,404

10%

245

11

Mar 2024

25,169

20,896

4,272

17%

306

12

Keep Top Rows

Specify how many rows to keep.

Number of rows

12

OK

Cancel

Keep Top Rows

Specify how many rows to keep.

Number of rows

12

OK

Cancel

Table.TransformColumnTypes("#Promoted Headers", {"", type date}, {"Equity Capital", Int64.Type}, {"Reserves", Currency.Type}, {"Borrowings", Currency.Type}, {"Other Liabilities", Currency.Type}, {"Total Liabilities", Currency.Type}, {"Fixed Assets", Currency.Type})

	Equity Capital	Reserves	Borrowings +	Other Liabilities +	Total Liabilities	Fixed Assets
1	01-09-2013	4	3,651.00	1,599.00	3,023.00	8,278.00
2	01-09-2014	4	4,535.00	1,903.00	3,391.00	9,833.00
3	01-03-2016	4	7,220.00	2,464.00	3,566.00	13,254.00
4	01-03-2017	4	8,637.00	2,333.00	4,075.00	15,048.00
5	01-03-2018	4	9,734.00	2,163.00	4,577.00	16,478.00
6	01-03-2019	4	10,833.00	2,506.00	5,086.00	18,441.00
7	01-03-2020	4	12,210.00	1,854.00	5,373.00	19,442.00
8	01-03-2021	4	13,409.00	2,388.00	6,780.00	22,582.00
9	01-03-2022	4	14,028.00	3,229.00	5,799.00	23,060.00
10	01-03-2023	4	14,703.00	3,014.00	6,648.00	24,369.00
11	01-03-2024	4	16,699.00	2,822.00	7,325.00	26,849.00
12	01-03-2025	4	18,484.00	3,771.00	7,307.00	29,567.00
13	01-09-2025	4	19,437.00	3,611.00	7,248.00	30,320.00

Table.RenameColumns("#Changed Type", {"", "Date"})

	Date	Sales +	Expenses +	Operating Profit	OPM %	Other Income +
1	01-09-2022					
2	01-12-2022					
3	01-03-2023					
4	01-06-2023					
5	01-09-2023					
6	01-12-2023					
7	01-03-2024					
8	01-06-2024	7,196.00	6,037.00	1,160.00	16.00%	

A ⁰ _C Column1	A ⁰ _C Column2	A ⁰ _C Column3	A ⁰ _C Column4
<div> <div>Valid</div> <div>Error</div> <div>Empty</div> </div> <div> <div>95%</div> <div>0%</div> <div>5%</div> </div>	<div> <div>Valid</div> <div>Error</div> <div>Empty</div> </div> <div> <div>97%</div> <div>0%</div> <div>3%</div> </div>	<div> <div>Valid</div> <div>Error</div> <div>Empty</div> </div> <div> <div>97%</div> <div>0%</div> <div>3%</div> </div>	<div> <div>Valid</div> <div>Error</div> <div>Empty</div> </div> <div> <div>97%</div> <div>0%</div> <div>3%</div> </div>
38 distinct, 37 unique	30 distinct, 22 unique	32 distinct, 26 unique	26 distinct, 18 unique
Model	Release(d)	Release(d)	Discontinued
null	With OS	Date	
null	null	null	null
iPhone	iPhone OS 1.0	June 29, 2007 (2007-06-29)	June 9, 2008 (2008-06-09)
iPhone 3G	iPhone OS 2.0	July 11, 2008 (2008-07-11)	August 9, 2010 (2010-08-09)
iPhone 3GS	iPhone OS 3.0	June 19, 2009 (2009-06-19)	September 12, 2012 (2012-09-12)
iPhone 4	iOS 4.0	June 24, 2010 (2010-06-24)	September 10, 2013 (2013-09-10)
iPhone 4s	iOS 5.0	October 14, 2011 (2011-10-14)	September 9, 2014 (2014-09-09)
iPhone 5	iOS 6.0	September 21, 2012 (2012-09-21)	September 10, 2013 (2013-09-10)
iPhone 5c	iOS 7.0	September 20, 2013 (2013-09-20)	September 9, 2015 (2015-09-09)
iPhone 5s	iOS 7.0	September 20, 2013 (2013-09-20)	March 21, 2016 (2016-03-21)
iPhone 6 / 6 Plus	iOS 8.0	September 19, 2014 (2014-09-19)	September 7, 2016 (2016-09-07)
iPhone 6s / 6s Plus	iOS 9.0	September 25, 2015 (2015-09-25)	September 12, 2018 (2018-09-12)
iPhone SE (1st)	iOS 9.3	March 31, 2016 (2016-03-31)	September 12, 2018 (2018-09-12)
iPhone 7 / 7 Plus	iOS 10.0	September 16, 2016 (2016-09-16)	September 10, 2019 (2019-09-10)
iPhone 8 / 8 Plus	iOS 11.0	September 22, 2017 (2017-09-22)	April 15, 2020 (2020-04-15)
iPhone X	iOS 11.0.1	November 3, 2017 (2017-11-03)	September 12, 2018 (2018-09-12)
iPhone XS / XS Max	iOS 12.0	September 21, 2018 (2018-09-21)	September 10, 2019 (2019-09-10)

[illegible]

Discontinued
Support
PROPERTY

- Valid
- Error
- Empty

23 distinct, 15 unique

June 9, 2008 (2008-06-09)
August 9, 2010 (2010-08-09)
September 12, 2012 (2012-09-12)
September 10, 2013 (2013-09-10)
September 9, 2014 (2014-09-09)

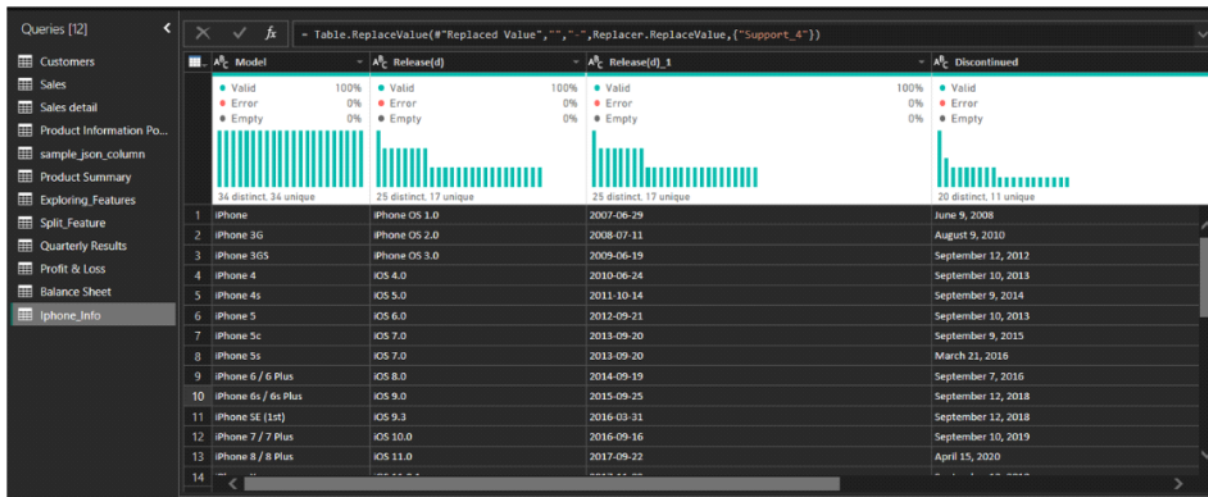
Text Before Delimiter

Enter the delimiter that marks the end of what you would like to extract.

Delimiter

Advanced options

June 9, 2008
August 9, 2010
September 12, 2012
September 10, 2013
September 9, 2014
September 10, 2013
September 9, 2015
March 21, 2016
September 7, 2016



APPLIED STEPS

Source	✖
Extracted Table From Html	✖
Promoted Headers	✖
Removed Top Rows	✖
Removed Bottom Rows	✖
Extracted Text Between Delim...	✖
Extracted Text Before Delimiter	✖
Removed Columns	
Trimmed Text	
Cleaned Text	
Filled Down	
Split Column by Delimiter	✖
Removed Columns1	
Filled Down1	
Replaced Value	✖
✖ Replaced Value1	✖

Append Queries

Sales2015

Sales2016

Sales2017

Sales2018

Appending [Top to Bottom]
 [Table Vertically Increases]

Identical Table
 [Have Same No.
 Of Columns with
 Similar Data Types]

Sales 2015 - 2018

Queries [13]

Customers

Sales

Sales detail

Product Information Po...

sample_json_column

Product Summary

Exploring_Features

Split_Feature

Quarterly Results

Profit & Loss

Balance Sheet

iphone_Info

Sales - part 2

Table.SelectRows(#"Changed Type", each [Customer ID] <> null and [Customer ID] <> "")

Customer ID

Valid 100%

Error 0%

Empty 0%

100 distinct, 100 unique

Customer Region

Valid 100%

Error 0%

Empty 0%

4 distinct, 0 unique

Customer Age

Valid 100%

Error 0%

Empty 0%

43 distinct, 15 unique

Sales

Valid 100%

Error 0%

Empty 0%

100 distinct, 100 unique

Customer ID	Customer Region	Customer Age	Sales
1	21 North	30	6,532.00
2	22 North	23	7,958.00
3	23 South	56	1,012.00
4	24 East	38	5,816.00
5	25 East	22	5,651.00
6	26 West	22	3,215.00
7	27 West	58	8,114.00
8	28 East	11	3,575.00
9	29 East	43	7,459.00
10	30 North	45	1,607.00
11	31 North	14	6,078.00
12	32 South	27	9,065.00
13	33 East	57	4,423.00
14	34 East	17	850.00
15	35 East	53	3,701.00
16	36 East	59	5,873.00
17	37 North	49	4,385.00
18	38 North	33	9,561.00
19	39 South	38	2,322.00
20	40 East	59	4,881.00

Query Settings

PROPERTIES

Name

Sales - part 2

APPLIED STEPS

Source

Navigation

Promoted Headers

Changed Type

Filtered Rows

Sales-2

Customer ID	Customer Region	Customer Age	Sales
1 North	49	309.38	
2 North	10	57.71	
3 North	47	686.95	
4 South	11	1,619.19	
5 East	17	1,005.90	
6 East	23	174.65	
7 East	21	825.00	
8 East	27	250.00	
9 East	44	9.03	
10 East	10	255.84	
11 North	29	151.24	
12 South	29	251.72	
13 South	42	1,139.43	
14 North	12	575.36	
15 North	45	18.06	
16 North	30	299.85	
17 North	35	54.89	
18 West	50	479.04	
19 West	42	1,879.06	
20 West	44	86.43	

Customer ID

Valid 10%

Error 0%

Empty 90%

Customer ID

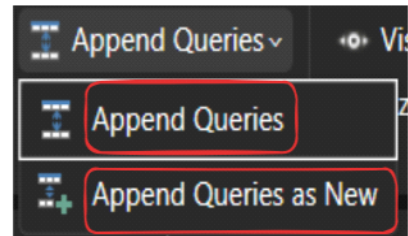
100 (10%) Valid

0 (0%) Error

899 (90%) Empty

Remove Empty

123 Customer ID	123 Customer Region	123 Customer Age	\$ Sales
Valid 100% Error 0% Empty 0%	Valid 100% Error 0% Empty 0%	Valid 100% Error 0% Empty 0%	Valid 100% Error 0% Empty 0%
100 distinct, 100 unique	4 distinct, 0 unique	43 distinct, 15 unique	100 distinct, 100 unique
21	North	10	6,532.00
22	North	23	7,958.00
23	South	56	1,012.00
24	East	38	5,816.00
25	East	22	5,651.00
26	West	22	3,215.00
27	West	58	8,314.00
28	East	11	3,575.00
29	East	43	7,459.00
30	North	45	1,607.00
31	North	14	6,078.00
32	South	27	9,065.00
33	East	57	4,423.00
34	East	17	850.00
35	East	53	3,701.00
36	East	59	5,873.00
37	North	49	4,385.00
38	North	33	9,561.00
39	South	38	2,322.00
40	East	59	4,881.00



Append

Concatenate rows from two tables into a single table.

☒ Two tables ☐ Three or more tables

Table to append

Sales - part 2

OK Cancel

Append Query having Sales as Base Table

Append

Concatenate rows from two tables into a single table.

☒ Two tables ☐ Three or more tables

First table

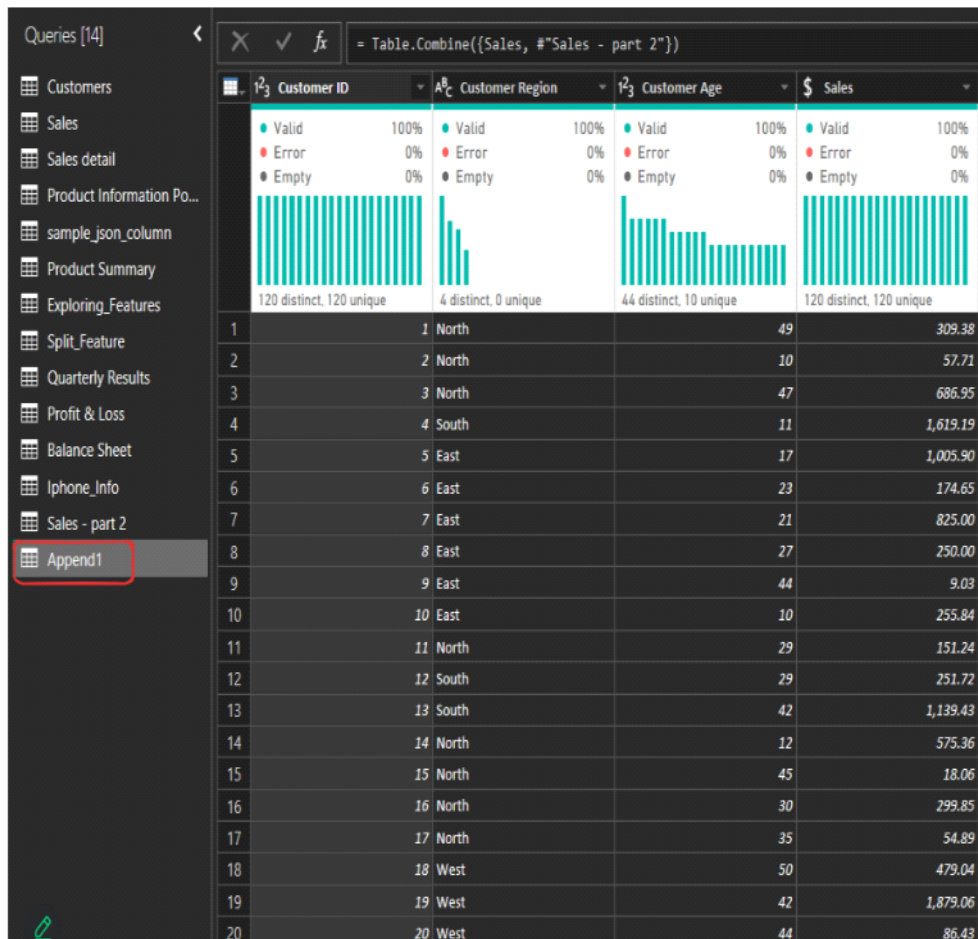
Sales

Second table

Sales - part 2

OK Cancel

Append Query As New



Query Settings

PROPERTIES

Name

SalesRecord

All Properties

APPLIED STEPS

Source

Load

Quarterly Results
Evaluating...

Profit & Loss
Evaluating...

Balance Sheet
Evaluating...

Iphone_Info
Evaluating...

Sales - part 2
Evaluating...

Cancel

Data

Search

- > Balance Sheet
- > Customers
- > Exploring_Features
- > Iphone_Info
- > Product Information P...
- > Product Summary
- > Profit & Loss
- > Quarterly Results
- > Sales
- > Sales - part 2
- > Sales detail
- > SalesRecord
- > sample_json_column
- > Split_Feature