

## Data Cleaning

**Navigator**

Display Options

- Sales Dataset Power BI.xlsx [2]
  - Customers
  - Sales**

**Sales**

Customer ID	Customer Region	Customer Age	Sales
1	North	49	309.38
2		10	57.71
3	North	47	686.95
4	South	11	1619.19
5	East	17	1005.9
6	null	23	174.65
7	null	21	825
8		27	250
9		44	9.03
10	null	10	255.84
11	North	abc	151.24
12	South	29	251.72
13	South	42	1139.43
14	North	12	575.36
15	null	45	18.06
16	null	30	299.85
17	null	35	54.89
18	West	50	479.04
19	null	42	1879.06
20		44	86.43

OK Cancel

**Replace Values**

Replace one value with another in the selected columns.

Value To Find

Replace With

Advanced options

**Replace Values**

Replace one value with another in the selected columns.

Value To Find

Replace With

OK Cancel

Table.ReplaceErrorValues("#Changed Type", {"Customer Age", null})

Customer ID	Customer Region	Customer Age	Sales
1	North		
2	Unknown		
3	North		
4	South		
5	East		
6	Unknown		

Column statistics

Count 20

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

#### APPLIED STEPS

- Source
- Navigation
- Promoted Headers
- Replaced Value
- Replaced Value1
- Changed Type
- Replaced Errors
- Replaced Value2
- Changed Type1

Navigator

Display Options

- Sales Detail.xlsx [1]
  - Sales detail

Sales detail

Customer ID	Sales Representative	Date of sale	Sales_Channel
1	Naveen Menon	01-01-2024	Online
2	Preeti Khatri	02-01-2024	In-Store
3	Arjun Mehta	03-01-2024	In-Store
4	Aisha Kapoor	04-01-2024	In-Store
5	Siddharth Sharma	05-01-2024	Online
6	Neha Singh	06-01-2024	In-Store
7	Rajiv Verma	07-01-2024	In-Store
8	Roshni Patel	08-01-2024	Online
9	Vikrant Reddy	09-01-2024	Online
10	Anusha Kumar	10-01-2024	In-Store
11	Rahul Kapoor	11-01-2024	In-Store
12	Aishwarya Nair	12-01-2024	In-Store
13	Akhay Mishra	23-01-2024	Online
14	Divya Khurana	27-01-2024	Online
15	Karthik Reddy	05-02-2024	Online
16	Shruti Mehra	16-02-2024	Online
17	Varun Khanna	17-02-2024	In-Store
18	Sneha Kapoor	18-02-2024	Online
19	Ravi Malhotra	19-02-2024	Online
20	Tanvi Sharma	20-02-2024	Online

OK Cancel

Queries [4]

Product Information Po... Customers Sales Sales detail

Table.TransformColumnTypes(#"Promoted Headers",{"Customer ID", Int64.Type}, {"Sales

Customer ID	Sales Representative	Date of sale	Sales_Channel
Valid 100% Error 0% Empty 0%	Valid 100% Error 0% Empty 0%	Valid 100% Error 0% Empty 0%	Valid 100% Error 0% Empty 0%
20 distinct, 20 unique	20 distinct, 20 unique	20 distinct, 20 unique	2 distinct, 0 unique
1	1 Naveen Menon	01-01-2024	Online
2	2 Preeti Khatri	02-01-2024	In-Store
3	3 Arjun Mehta	03-01-2024	In-Store
4	4 Aisha Kapoor	04-01-2024	In-Store
5	5 Siddharth Sharma	05-01-2024	Online
6	6 Neha Singh	06-01-2024	In-Store
7	7 Rajiv Verma	07-01-2024	In-Store
8	8 Roshni Patel	08-01-2024	Online
9	9 Vikrant Reddy	09-01-2024	Online
10	10 Anusha Kumar	10-01-2024	In-Store
11	11 Rahul Kapoor	11-01-2024	In-Store
12	12 Aishwarya Nair	12-01-2024	In-Store
13	13 Akhay Mishra	23-01-2024	Online
14	14 Divya Khurana	27-01-2024	Online
15	15 Karthik Reddy	05-02-2024	Online
16	16 Shruti Mehra	16-02-2024	Online
17	17 Varun Khanna	17-02-2024	In-Store
18	18 Sneha Kapoor	18-02-2024	Online
19	19 Ravi Malhotra	19-02-2024	Online
20	20 Tanvi Sharma	20-02-2024	Online

Load

Customers

16.6 KB from Sales Dataset Power BI.xlsx

Sales

17.1 KB from Sales Dataset Power BI.xlsx

Sales detail

15.8 KB from Sales Detail.xlsx

Cancel

Data

Search

Customers

Product Information P...

Sales

Sales detail

Customer ID	Customer Region	Customer Age	Sales
1	North	49	₹ 309.38
2	Unknown	10	₹ 57.71
3	North	47	₹ 686.95
4	South	11	₹ 1,619.19
5	East	17	₹ 1,005.9
6	Unknown	23	₹ 174.65
7	Unknown	21	₹ 825
8	Unknown	27	₹ 250
9	Unknown	44	₹ 9.03
10	Unknown	10	₹ 255.84
11	North	30	₹ 151.24
12	South	29	₹ 251.72
13	South	42	₹ 1,139.43
14	North	12	₹ 575.36
15	Unknown	45	₹ 18.06
16	Unknown	30	₹ 299.85
17	Unknown	35	₹ 54.89
18	West	50	₹ 479.04
19	Unknown	42	₹ 1,879.06
20	Unknown	44	₹ 86.43

File Home Help Table tools Column tools

Name Sales

Format Currency

Data type Fixed decimal num...

\$ %

Auto

Structure

Formatting

Customer ID

Customer Region

Customer Age

Sales

1 North 49 ₹ 309.38

2 Unknown 10 ₹ 57.71

3 North 47 ₹ 686.95

4 South 11 ₹ 1,619.19

5 East 17 ₹ 1,005.9

6 Unknown 23 ₹ 174.65

7 Unknown 21 ₹ 825

8 Unknown 27 ₹ 250

9 Unknown 44 ₹ 9.03

10 Unknown 10 ₹ 255.84

11 North 30 ₹ 151.24

12 South 29 ₹ 251.72

13 South 42 ₹ 1,139.43

14 North 12 ₹ 575.36

15 Unknown 45 ₹ 18.06

16 Unknown 30 ₹ 299.85

17 Unknown 35 ₹ 54.89

18 West 50 ₹ 479.04

19 Unknown 42 ₹ 1,879.06

20 Unknown 44 ₹ 86.43

Format Currency

Summarization

\$ %

Auto

Data category

Recently used

Currency General

Common currency symbols

Currency General

\$ English (United States)

£ English (United Kingdom)

€ Euro (€ 123)

€ Euro (123 €)

¥ Chinese (PRC)

CHF French (Switzerland)

All currency symbols

¥ Chinese (PRC)

€ Euro (€ 123)

€ Euro (123 €)

Fdj Afar (Djibouti)

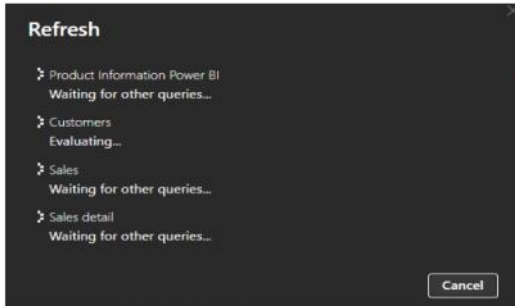
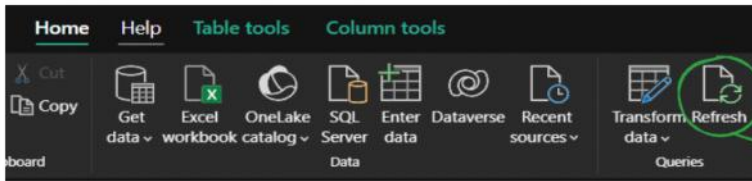
Nrk Afar (Eritrea)

Br Afar (Ethiopia)

\$ Afrikaans (Namibia)

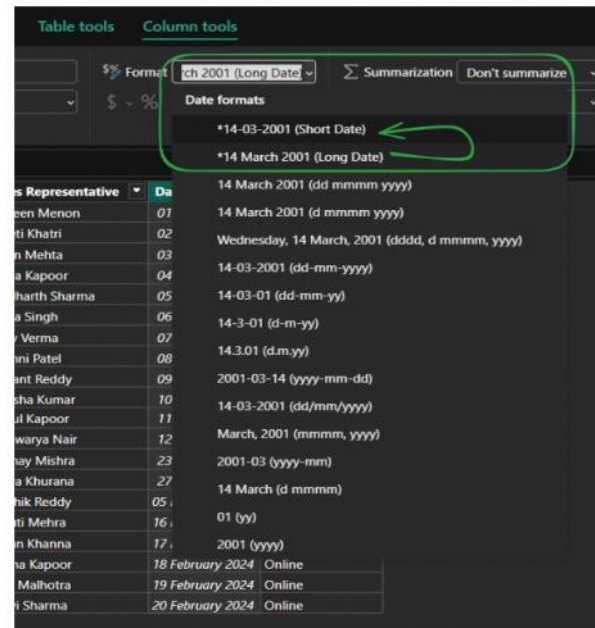
R Afrikaans (South Africa)

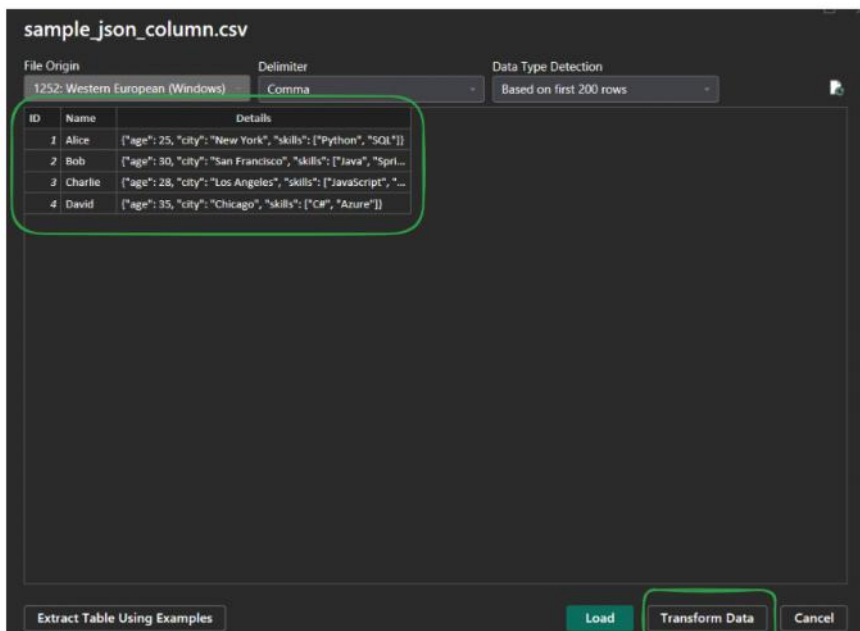
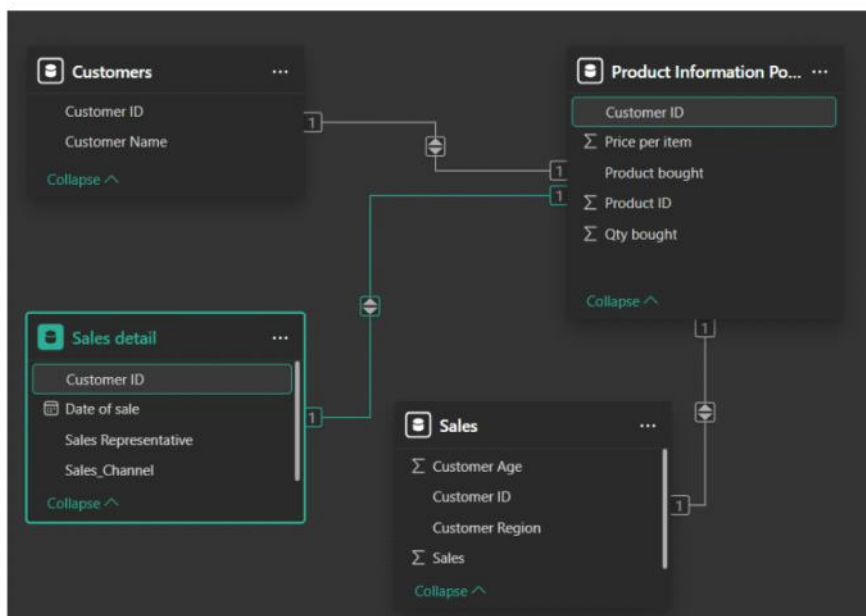
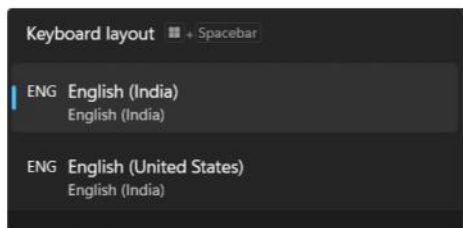
FCFA Aghem (Cameroon)



short date???

Customer ID	Sales Representative	Date of sale	Sales Channel
1	Naveen Menon	01 January 2024	Online
2	Preeti Khatri	02 January 2024	In-Store
3	Arjun Mehta	03 January 2024	In-Store
4	Aisha Kapoor	04 January 2024	In-Store
5	Siddharth Sharma	05 January 2024	Online
6	Neha Singh	06 January 2024	In-Store
7	Rajiv Verma	07 January 2024	In-Store
8	Roshni Patel	08 January 2024	Online
9	Vikrant Reddy	09 January 2024	Online
10	Anusha Kumar	10 January 2024	In-Store
11	Rahul Kapoor	11 January 2024	In-Store
12	Aishwarya Nair	12 January 2024	In-Store
13	Akshay Mishra	23 January 2024	Online
14	Divya Khurana	27 January 2024	Online
15	Karthik Reddy	05 February 2024	Online
16	Shruti Mehra	16 February 2024	Online
17	Varun Khanna	17 February 2024	In-Store
18	Sneha Kapoor	18 February 2024	Online
19	Ravi Malhotra	19 February 2024	Online
20	Tanvi Sharma	20 February 2024	Online







123 ID	ABC Name	ABC Details
Valid 100%	Valid 100%	Valid 100%
Error 0%	Error 0%	Error 0%
Empty 0%	Empty 0%	Empty 0%
4 distinct, 4 unique	4 distinct, 4 unique	4 distinct, 4 unique
1	Alice	{"age": 25, "city": "New York", "skills": ["Python", "SQL"]}
2	Bob	{"age": 30, "city": "San Francisco", "skills": ["Java", "Spring"]}
3	Charlie	{"age": 28, "city": "Los Angeles", "skills": ["JavaScript", "React"]}
4	David	{"age": 35, "city": "Chicago", "skills": ["C#", "Azure"]}

age

city

skills

123 ID	ABC Name	ABC Details
Valid 100%	Valid 100%	Valid 100%
Error 0%	Error 0%	Error 0%
Empty 0%	Empty 0%	Empty 0%
4 distinct, 4 unique	4 distinct, 4 unique	
1	Alice	Record
2	Bob	Record
3	Charlie	Record
4	David	Record

age

25

city

New York

skills

List

ABC 123 Details

☒ (Select All Columns)
 ☒ age
 ☒ city
 ☒ skills

☒ Use original column name as prefix

⚠ List may be incomplete.

Load more

OK

Cancel

Expanding new columns

ID	Name	Details.age	Details.city	Details.skills
Valid 100% Error 0% Empty 0%	Valid 100% Error 0% Empty 0%	Valid 100% Error 0% Empty 0%	Valid 100% Error 0% Empty 0%	Valid 100% Error 0% Empty 0%
4 distinct, 4 unique	4 distinct, 4 unique			
1	Alice	25	New York	List
2	Bob	30	San Francisco	List
3	Charlie	28	Los Angeles	List
4	David	35	Chicago	List

ABC 123 Details.skills

Expand to New Rows

Extract Values...

ID	Name	Details.age	Details.city	Details.skills
Valid 100% Error 0% Empty 0%	Valid 100% Error 0% Empty 0%	Valid 100% Error 0% Empty 0%	Valid 100% Error 0% Empty 0%	Valid 100% Error 0% Empty 0%
4 distinct, 0 unique	4 distinct, 0 unique			
1	Alice	25	New York	Python
1	Alice	25	New York	SQL
2	Bob	30	San Francisco	Java
2	Bob	30	San Francisco	Spring
3	Charlie	28	Los Angeles	JavaScript
3	Charlie	28	Los Angeles	React
4	David	35	Chicago	C#
4	David	35	Chicago	Azure

### Extract values from list

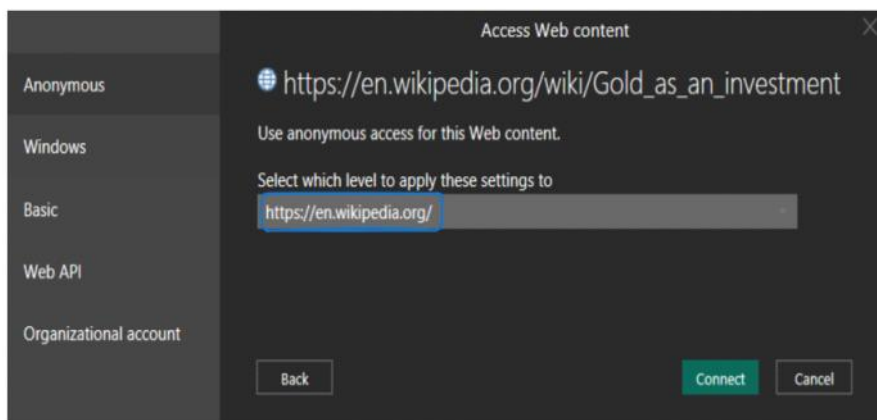
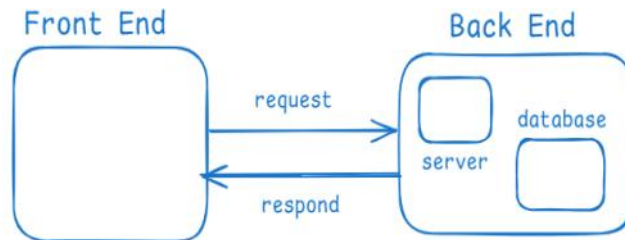
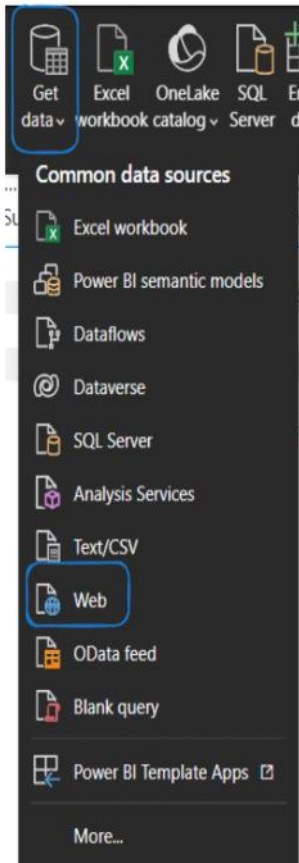
Select a delimiter to use for concatenating list values

Space

Comma

OK Cancel

ID	Name	Details.age	Details.city	Details.skills
Valid 100% Error 0% Empty 0%	Valid 100% Error 0% Empty 0%	Valid 100% Error 0% Empty 0%	Valid 100% Error 0% Empty 0%	Valid 100% Error 0% Empty 0%
4 distinct, 4 unique	4 distinct, 4 unique			4 distinct, 4 unique
1	Alice	25	New York	Python,SQL
2	Bob	30	San Francisco	Java, Spring
3	Charlie	28	Los Angeles	JavaScript, React
4	David	35	Chicago	C#, Azure





**Navigator**

Display Options

- HTML Tables [6]
  - Gold
  - Table 1
  - Table 2
  - Deutsche Bank's view of the point at which...
  - Table 3
  - Table 4
- Suggested Tables [6]
  - Table 5
  - Table 6
  - Table 7
  - Table 8
  - Table 9**
  - Table 10
- Text [2]
  - HTML Code
  - Displayed Text

Add Table Using Examples

Table View Web View

**Table 9**

Column1	Column2
The New York Times	ISSN
www.usgovernmentspending.com	. Retrieved Sep 26, 2020
IMF	. Retrieved Sep 26, 2020
Medium	. Retrieved November 30, 2018
Time	the original
Hindustan Times	. Retrieved June 23, 2025
New Age Metals Inc.	. Retrieved 2025-07-03
Morningstar, Inc.	. Retrieved 2025-07-03
FX Empire	. Retrieved 2025-07-03
CBS News	. Retrieved 3 May 2023
King World News	the original
Vietnam Economics	the original
Britannica Money	VAT Act & VAT Ordinance
World Gold Council	. Retrieved 2025-01-28
World Gold Council	. Retrieved 2025-01-28
Investor.gov	. Retrieved 15 March 2023
BBC News	the original
Moneyweek	. Retrieved 20 February 2019
about.ag	. Retrieved Sep 26, 2020
U.S. Attorney's Office, Central District of California	. Retrieved 19 April 2019

Load Transform Data Cancel

<https://www.screener.in/company/TATAMOTORS/consolidated/>

**Navigator**

Display Options

- HTML Tables [12]
  - Table 1
  - Table 2
  - Table 3
  - Table 4
  - Table 5
  - Table 6
  - Table 7
  - Table 8
  - Table 9
  - Table 10
  - Table 11
  - Table 12
- Suggested Tables [4]
  - Table 13
  - Table 14
  - Table 15
  - Table 16
- Text [2]
  - HTML Code

Add Table Using Examples

Table View Web View

**Table 1**

S.No.	Name	CMP	P/E	Mar Cap
1	M & M	3246.4	31.22	
2	Maruti Suzuki	12404	26.9	
3	Tata Motors	687.4	8.97	
4	Hyundai Motor I	2099.2	31.06	
5	Force Motors	17870	38.95	
6	Olectra Greentec	1480.9	87.52	
7	Mercury EV-Tech	48.53	116.55	
null Median: 8 Co.		1790.05	31.53	

Load Transform Data Cancel

Queries [9]

- Product Information Po...
- Customers
- Sales
- Sales detail
- sample.json\_column
- Peer comparison
- Quarterly Results
- Profit & Loss
- Balance Sheet

Table.TransformColumnTypes(#"Promoted Headers",{"S.No.", Int64.Type}, {"Name", type text}, {"CMP(1)", type text}, {"P/E", type text}, {"Mar Cap Rs.G.", type text}, {"Div Yld %", type text}, {"NP Qtr Rs.G.", type text})

S.No.	Name	CMP Rs.	P/E	Mar Cap Rs.G.	Div Yld %	NP Qtr Rs.G.
1	M & M	3246.4	31.22	403699.2	0.78	
2	Maruti Suzuki	12404	26.9	389984.95	1.09	
3	Tata Motors	687.4	8.97	253080.77	0.87	
4	Hyundai Motor I	2099.2	31.06	170568.63	0	
5	Force Motors	17870	38.95	23545.98	0.11	
6	Olectra Greentec	1480.9	87.52	12155.34	0.03	
7	Mercury EV-Tech	48.53	116.55	921.94	0	
8	null Median: 8 Co.	1790.05	31.53	97057.31	0.07	

Query Settings

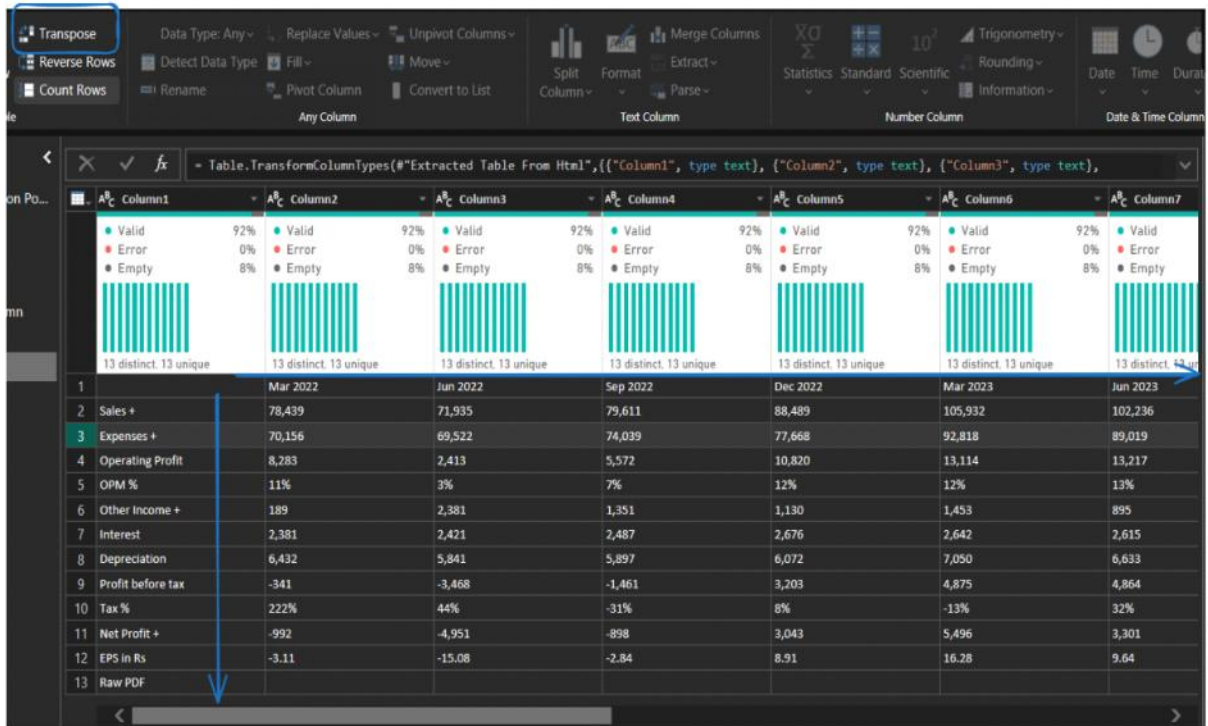
**PROPERTIES**

Name

Peer comparison

**APPLIED STEPS**

- Source
- Extracted Table From Html
- Promoted Headers
- Changed Type



	Sales +	Expenses +	Operating Profit	OPM %	Other Income +	Interest
Mar 2022	78,439	70,156	8,283	11%	189	2,381
Jun 2022	71,935	69,522	2,413	3%	2,381	2,421
Sep 2022	79,611	74,039	5,572	7%	1,351	2,487
Dec 2022	88,489	77,668	10,820	12%	1,130	2,676
Mar 2023	105,932	92,818	13,114	12%	1,453	2,642
Jun 2023	102,236	89,019	13,217	13%	895	2,615
Sep 2023	105,129	91,362	13,767	13%	1,557	2,652
Dec 2023	110,577	95,159	15,418	14%	1,604	2,485
Mar 2024	119,033	102,348	16,685	14%	1,412	1,645
Jun 2024	108,048	92,263	15,785	15%	1,747	2,088
Sep 2024	101,450	89,291	12,159	12%	1,647	2,034
Dec 2024	112,608	100,185	12,423	11%	1,700	1,119

### Refresh

- sample\_json\_column  
Waiting for other queries...
- Peer comparison  
Evaluating...
- Quarterly Results  
Evaluating...
- Profit & Loss  
Evaluating...
- Balance Sheet  
Evaluating...

Cancel

Navigator

Display Options

Suggested Tables [4]

Table 1

Table 2

Table 3

Table 4

Text [2]

HTML Code

Displayed Text

Add Table Using Examples

Load

Transform Data

Cancel

Table View

Web View

Table 4

Column1	Column2	Column3	Column4	Column5	Column6
Chris Woakes	25	6	81	2	
Brydon Carse	24	3	83	1	
Josh Tongue	28	2	119	2	
Ben Stokes	19	0	74	1	
Shoaib Bashir	45	2	167	3	
Joe Root	5	0	20	1	
Harry Brook	5	0	31	0	
Akash Deep	20	2	88	4	
Mohammed Siraj	19.3	3	70	6	
Prasidh Krishna	13	1	72	0	
Nitish Kumar Reddy	6	0	29	0	
Ravindra Jadeja	17	2	70	0	
Washington Sundar	14	0	73	0	
Chris Woakes	14	3	61	0	
Brydon Carse	12	2	56	1	
Josh Tongue	15	2	93	2	
Ben Stokes	7	1	26	0	
Shoaib Bashir	26	1	119	2	
Joe Root	9	1	65	1	
Akash Deep	21.1	2	99	6	
Mohammed Siraj	12	3	57	1	

Group By

Specify the columns to group by and one or more outputs.

Basic

Advanced

Batters

Add grouping

New column name

Operation

Column

Total Runs

Sum

Runs

Total Balls

Sum

Balls

Total 4s

Sum

4s

Total 6s

Sum

6s

Avg StrikeRate

Average

StrikeRate

Add aggregation

OK

Cancel

Table1.AddColumn

Custom Column

Add a column that is computed from the other columns.

New column name

Average StrikeRate

Custom column formula

- [Total Runs] \* 100 / [Total Balls]

Available columns

Batters

Total Runs

Total Balls

Total 4s

Total 6s

<< Insert

OK

Cancel

Rate

100%

0%

0%

19.14728682

11.81818182

59.375

78.32422587

90

25

11.96078431

19.09090909

16.15384615

34.7826087

25

CN-Weekend Page 11

