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About Us

Audible is the leading provider of audiobooks,
podcasts, and spoken-word entertainment.

Founded in 1995 and acquired by Amazon in 2008,
Audible has transformed the way people read
and listen to stories.





Vision



“To unlock the power of the spoken word and enrich lives through stories that inspire, entertain, and inform.”

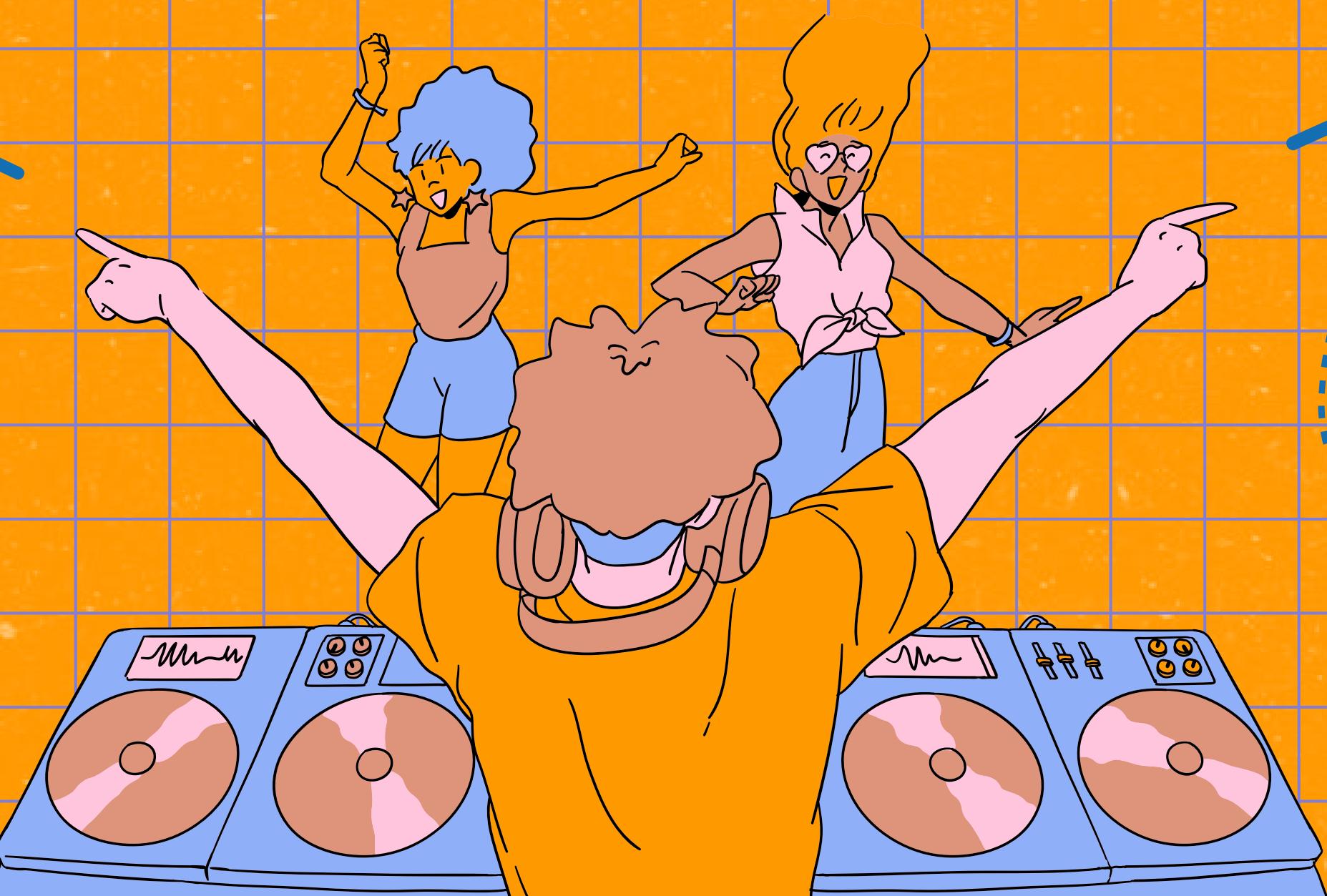
Mission

“To create and deliver the best audio content and listening experiences for our customers—anytime, anywhere.”



Module 2 Case Study

Audible Data Cleaning Project



Some fixes before starting project

Using first row
as Headers



Step

Power Query Editor

Add Column View

Choose Columns Remove Columns Keep Rows Remove Rows Split Column Group By Sort Replace Values Data Type: Text Use First Row as Headers

Merge Queries Append Queries Combine Files Manage Parameters Data source settings New Source Recent Sources Enter Data

Transform

Combine Parameters Data Sources New Query

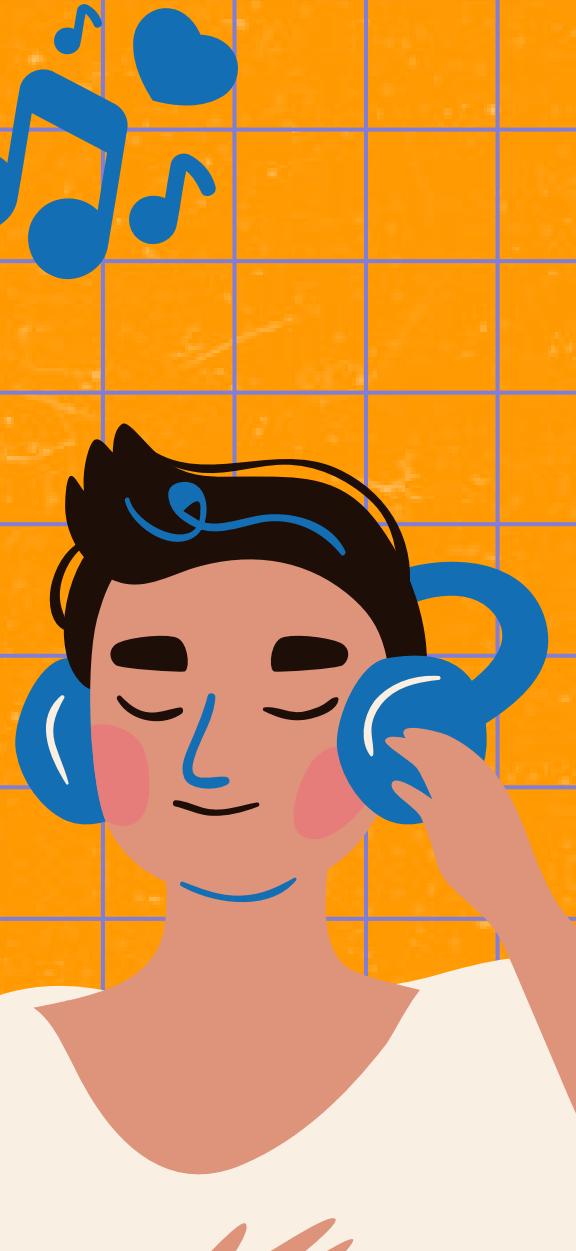
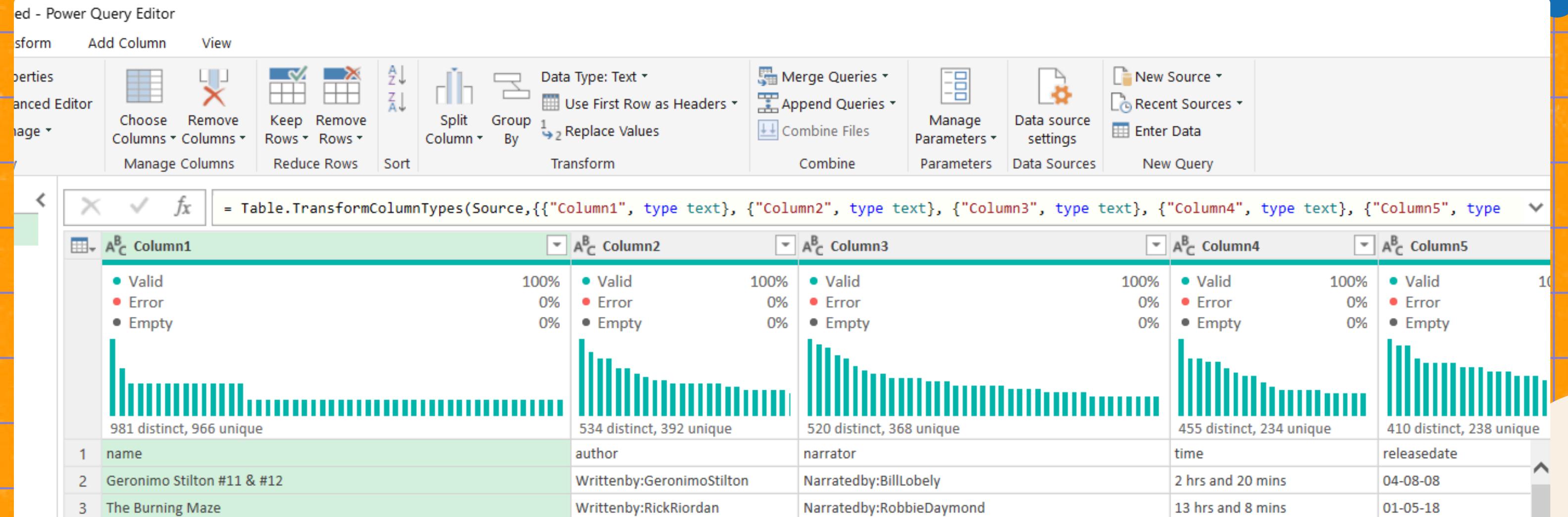
= Table.TransformColumnTypes(Source,{{"Column1", type text}, {"Column2", type text}, {"Column3", type text}, {"Column4", type text}, {"Column5", type text}})

	A ^B Column1	A ^B Column2	A ^B Column3	A ^B Column4	A ^B Column5
1	name	author	narrator	time	releasedate
2	Geronimo Stilton #11 & #12	Writtenby:GeronimoStilton	Narratedby:BillLobely	2 hrs and 20 mins	04-08-08
3	The Burning Maze	Writtenby:RickRiordan	Narratedby:RobbieDaymond	13 hrs and 8 mins	01-05-18

Valid Error Empty
981 distinct, 966 unique
534 distinct, 392 unique
520 distinct, 368 unique
455 distinct, 234 unique
410 distinct, 238 unique



Before



After

Power Query Editor

Add Column View

Editor

Choose Columns Remove Columns Keep Rows Remove Rows Split Column Group By Replace Values Data Type: Text Use First Row as Headers Merge Queries Append Queries Manage Parameters New Source Recent Sources Enter Data

Manage Columns Reduce Rows Sort Transform Combine Parameters Data Sources New Query

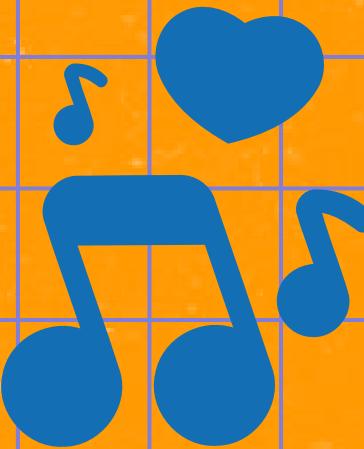
= Table.TransformColumnTypes(#"Promoted Headers",{{"name", type text}, {"author", type text}, {"narrator", type text}, {"time", type text}, {"releasedate", type date}})

	A ^B name	A ^B author	A ^B narrator	A ^B time	A ^B releasedate
• Valid	100%	100%	100%	100%	100%
• Error	0%	0%	0%	0%	0%
• Empty	0%	0%	0%	0%	0%
	981 distinct, 966 unique	533 distinct, 391 unique	519 distinct, 366 unique	455 distinct, 234 unique	410 distinct, 238 unique
1	Geronimo Stilton #11 & #12	Writtenby:GeronimoStilton	Narratedby:BillLobely	2 hrs and 20 mins	04-08-08
2	The Burning Maze	Writtenby:RickRiordan	Narratedby:RobbieDaymond	13 hrs and 8 mins	01-05-18
3	The Deep End	Writtenby:JeffKinney	Narratedby:DanRussell	2 hrs and 3 mins	06-11-20



Project Questions

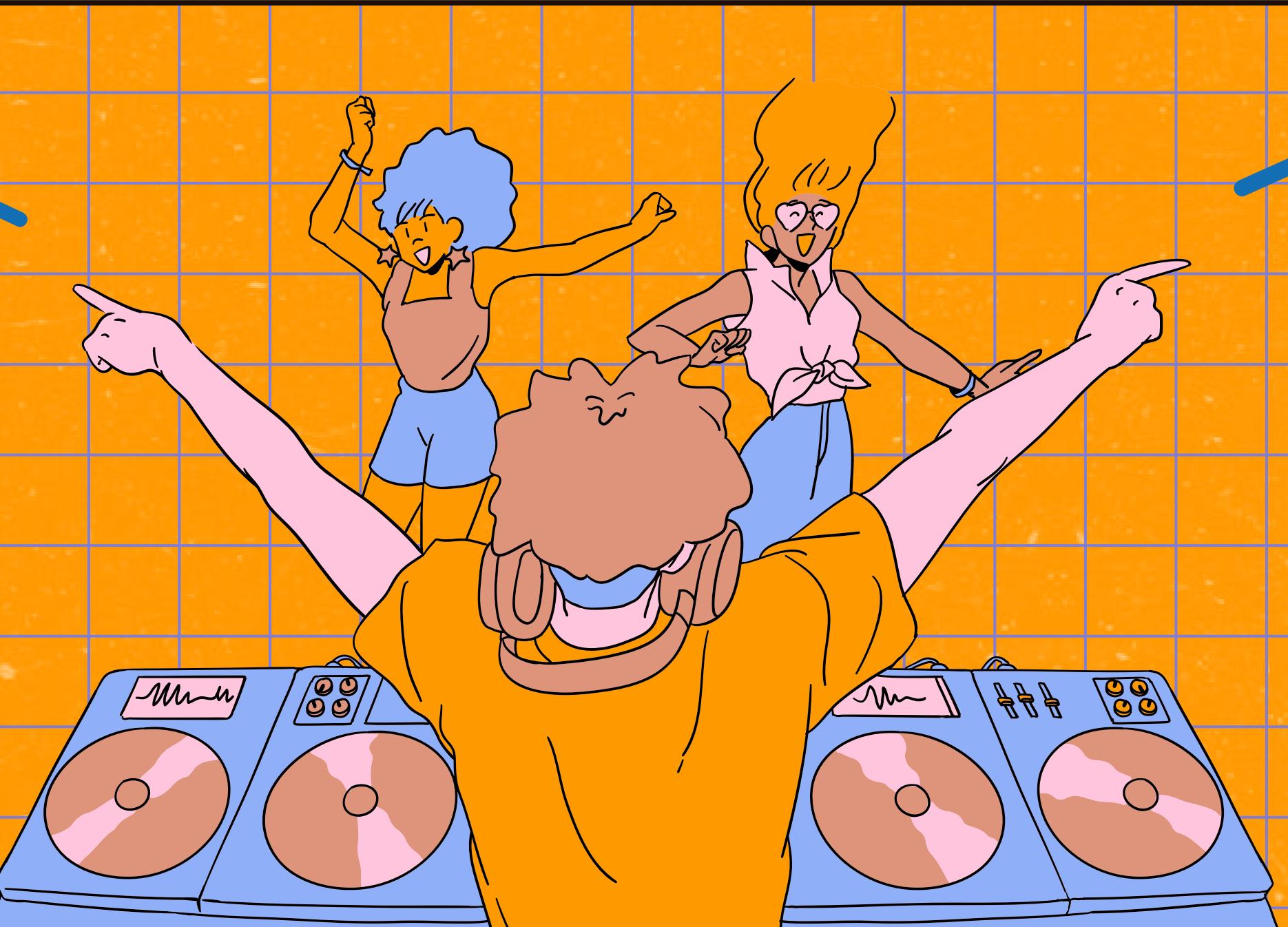
1. Standardize the name column to ensure consistent title casing.
2. Separate combined first and last names in the author column if they are currently combined.
3. Ensure all entries in the releasedate column follow a consistent date format (DD-MM-YYYY).
4. Convert the time column from text format to a duration format that Excel recognizes.
5. Ensure the price column is in a numeric format, and identify any non-numeric values.
6. Convert text ratings in the stars column to numeric values.
7. Split the narratedby column into multiple columns if multiple narrators are listed.
8. Merge the releasedate and language columns into a single new column named releaseinfo with the format "DD-MM-YYYY, Language."
 - Ensure all currency values in the price column are formatted consistently with two decimal places.



Question - 1



Standardize the name column to ensure consistent title casing.



Step -1

Select name column.

= Table.CombineColumns(#"Reordered Columns", {"releaseDate.1", "language"}, Combiner.CombineTextByDelimiter(", ", QuoteStyle.None), [TextColumn1 = "name", TextColumn2 = "author", TextColumn3 = "narrator", TextColumn4 = "time"])

	A ^B name	A ^B author	A ^B narrator	A ^B time
	100% 0% 0%	100% 0% 0%	100% 0% 0%	100% 0% 0%
	Valid Error Empty	Valid Error Empty	Valid Error Empty	Valid Error Empty
	82767 distinct, 79537 unique	48374 distinct, 37172 unique		
1	Geronimo Stilton #11 & #12	Writtenby:GeronimoStilton	Narratedby:BillLobely	2 hrs and 20 mins
2	The Burning Maze	Writtenby:RickRiordan	Narratedby:RobbieDaymond	13 hrs and 8 mins
3	The Deep End	Writtenby:JeffKinney	Narratedby:DanRussell	2 hrs and 3 mins
4	Daughter of the Deep	Writtenby:RickRiordan	Narratedby:SoneelaNankani	11 hrs and 16 mins
5	The Lightning Thief: Percy Jackson, Book 1	Writtenby:RickRiordan	Narratedby:JesseBernstein	10 hrs
6	The Hunger Games: Special Edition	Writtenby:SuzanneCollins	Narratedby:TatianaMaslany	10 hrs and 35 mins
7	Quest for the Diamond Sword	Writtenby:WinterMorgan	Narratedby:LukeDaniels	2 hrs and 23 mins
8	The Dark Prophecy	Writtenby:RickRiordan	Narratedby:RobbieDaymond	12 hrs and 32 mins
9	Merlin Mission Collection	Writtenby:MaryPopeOsborne	Narratedby:MaryPopeOsborne	10 hrs and 56 mins

Step - 1: Selecting name colum.

In step first , I selected the name column , so i can transform it .



Step - 2

Transforming column



The screenshot shows the Power Query Editor interface. The 'Transform' tab is selected. A dropdown menu is open under the 'Format' button, with 'Capitalize Each Word' highlighted. A red callout box contains the following text:

Step - 2 : Click on transform menu , then click on format , new drop- down appears . Now , select Capitalize Each Word .

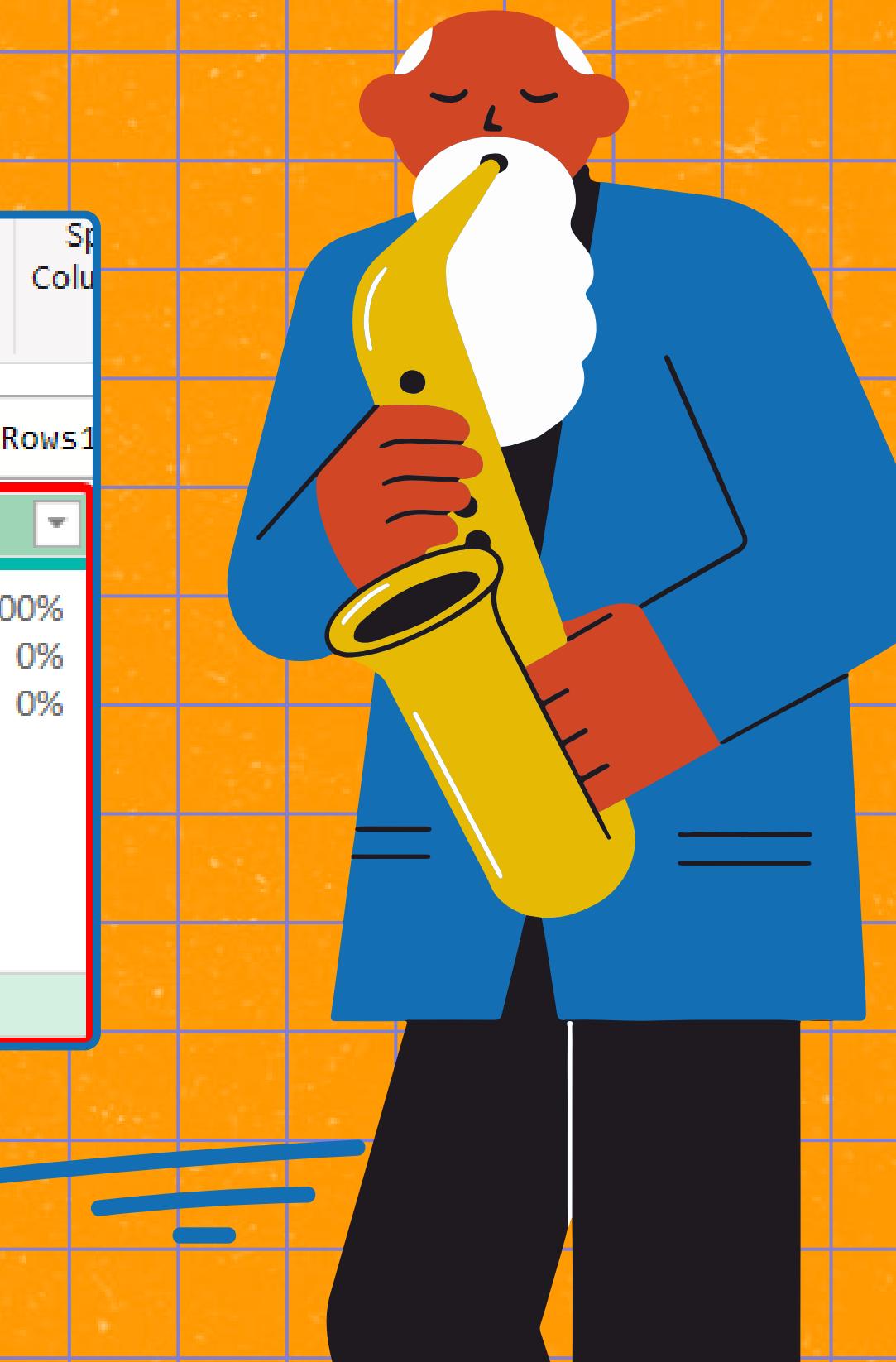
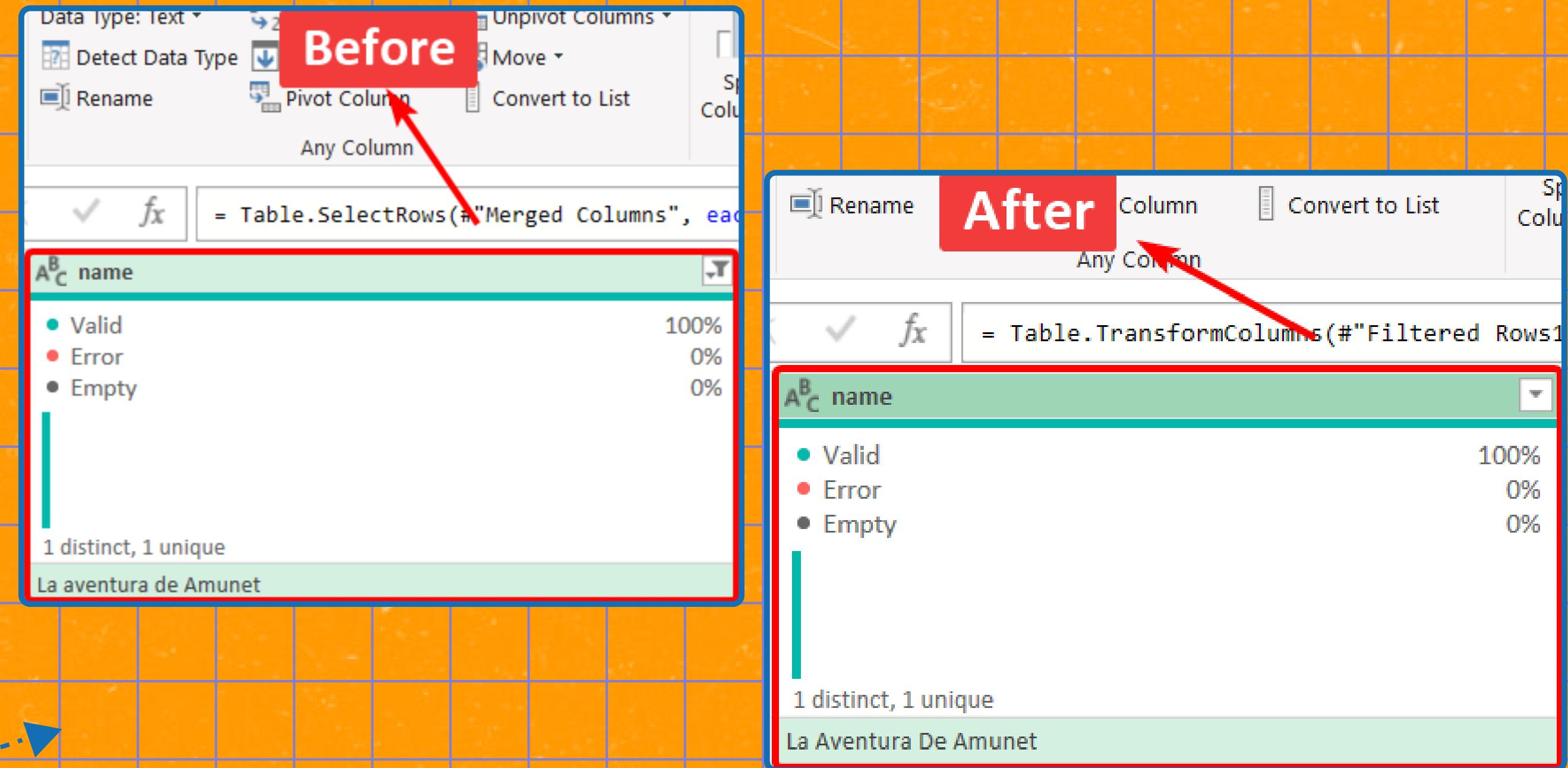
Column	Value	Count
name	Geronimo Stilton #11 & #12	1
name	The Burning Maze	2
name	The Deep End	3
name	Daughter of the Deep	4
name	The Lightning Thief: Percy Jackson, Book 1	5
narrator	Writtenby:GeronimoStilton	48374
narrator	Writtenby:RickRiordan	37172
narrator	Writtenby:JeffKinney	1
narrator	Writtenby:RickRiordan	1
narrator	Writtenby:RickRiordan	1
time	Valid	100%
time	Error	0%
time	Empty	0%

In step second , I transformed column using
Capitalize Each Word .



Result

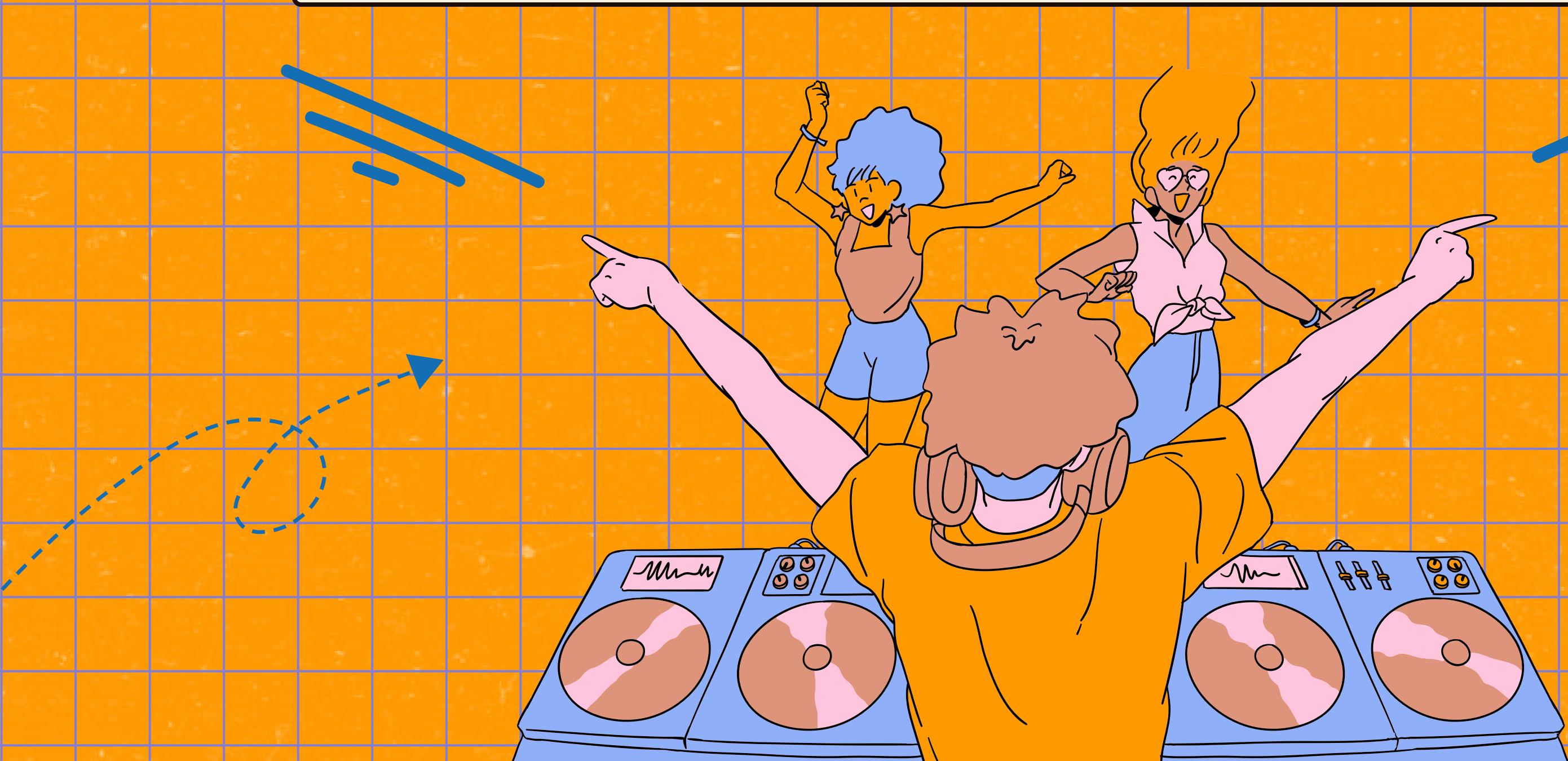
Before & After Comparision



Question - 2

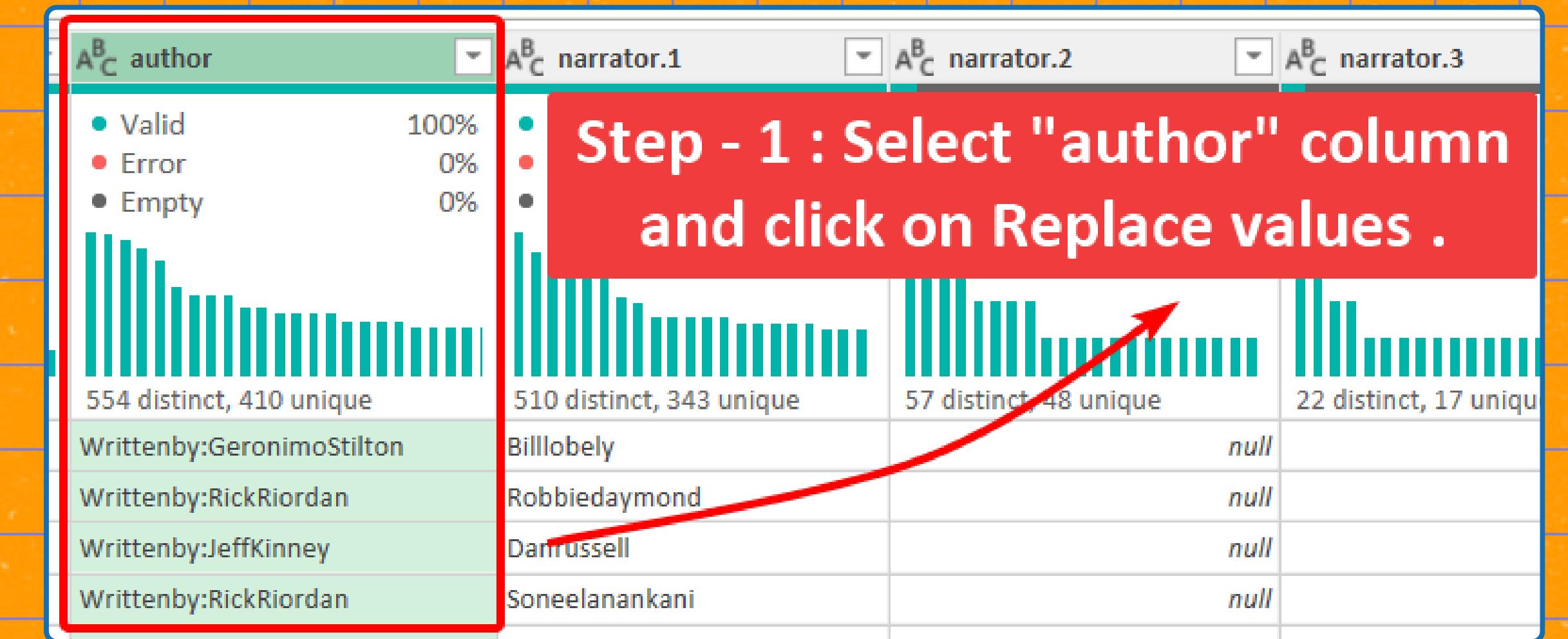
2.

Separate combined first and last names in the author column if they are currently combined.



Step - 1

Select “author” column

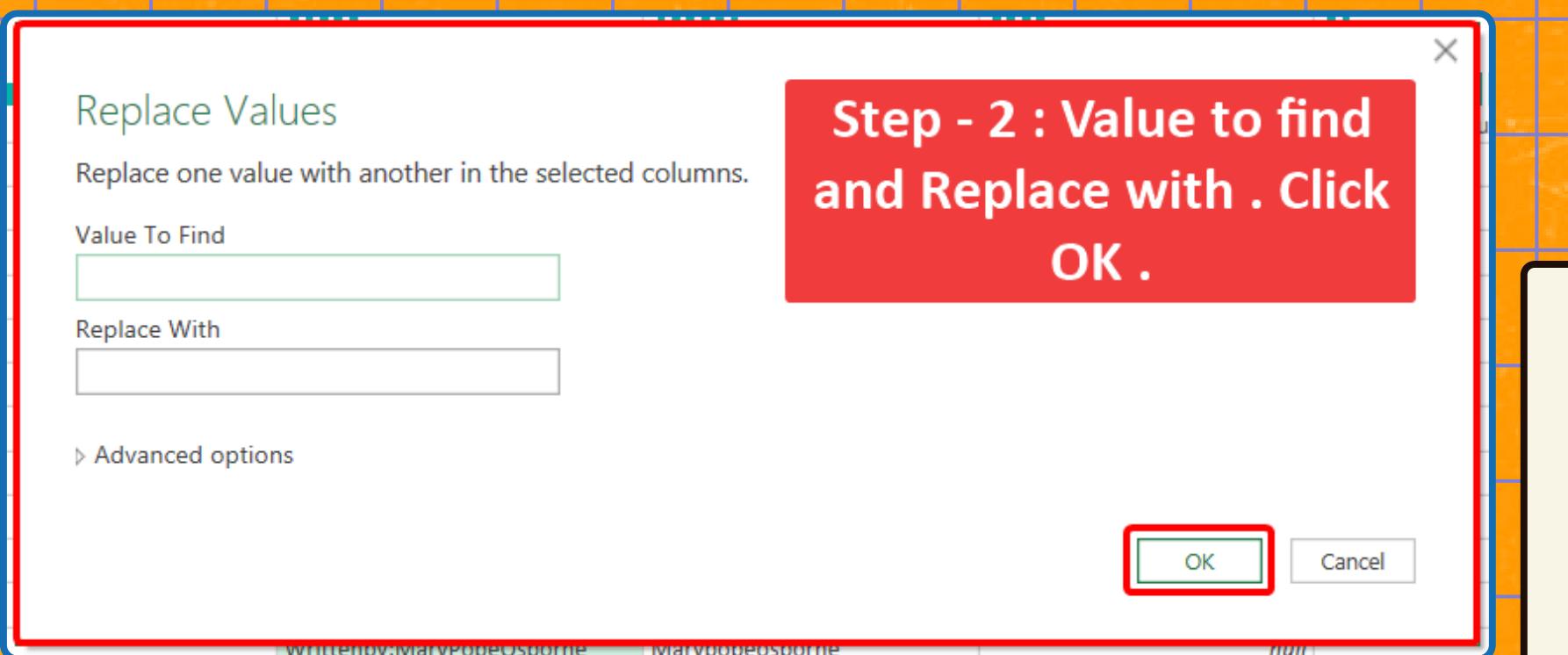


In step first , I selected
the author column .



Step - 2

Replace values



i have repeateed this step
8 times .

Replace values ----- With

"Writtenby:" ----- " "

" , " ----- " " "

" , " ----- " " "

" _ " ----- " " "

" 777 " ----- " " "

" eOne " ----- " " "

" ... " ----- " " "

" div " ----- " " "



Step - 3

Split column using “By Lowercase to uppercase”



The screenshot shows a software interface with a toolbar at the top. In the 'Split Column' dropdown menu, the 'By Lowercase to Uppercase' option is highlighted with a red box and a red arrow. A large red callout box contains the text: 'Step - 3 : Split column "By Lowercase to uppercase".'. Below the menu, there is a preview of the data with columns for 'Valid', 'Error', and 'Empty' counts.

	Valid	Error	Empty
100%	100%	0%	0%
7%	7%	0%	93%

In step first , I splitted
column using “By
Lowercase to uppercase” .



Step - 4

Split column using “By Delimiter”

The screenshot shows a data processing interface with a toolbar at the top. The 'Format' section of the toolbar is highlighted with a red box, and the 'Split Column' option is also highlighted with a red box. A dropdown menu is open under 'Split Column', showing several options: 'By Delimiter' (which is highlighted with a red box and has a red arrow pointing to it from the left), 'By Number of Characters', 'By Positions', 'By Lowercase to Uppercase', 'By Uppercase to Lowercase', 'By Digit to Non-Digit', and 'By Non-Digit to Digit'. The main workspace shows a table with columns 'text' and 'narrator.1'. The 'text' column contains the value 'text, {"author"}'. The 'narrator.1' column contains the value 'A B C'. Below the table, there are two validation charts. The first chart shows 'Valid' at 100%, 'Error' at 0%, and 'Empty' at 0%. The second chart shows 'Valid' at 7%, 'Error' at 0%, and 'Empty' at 93%.

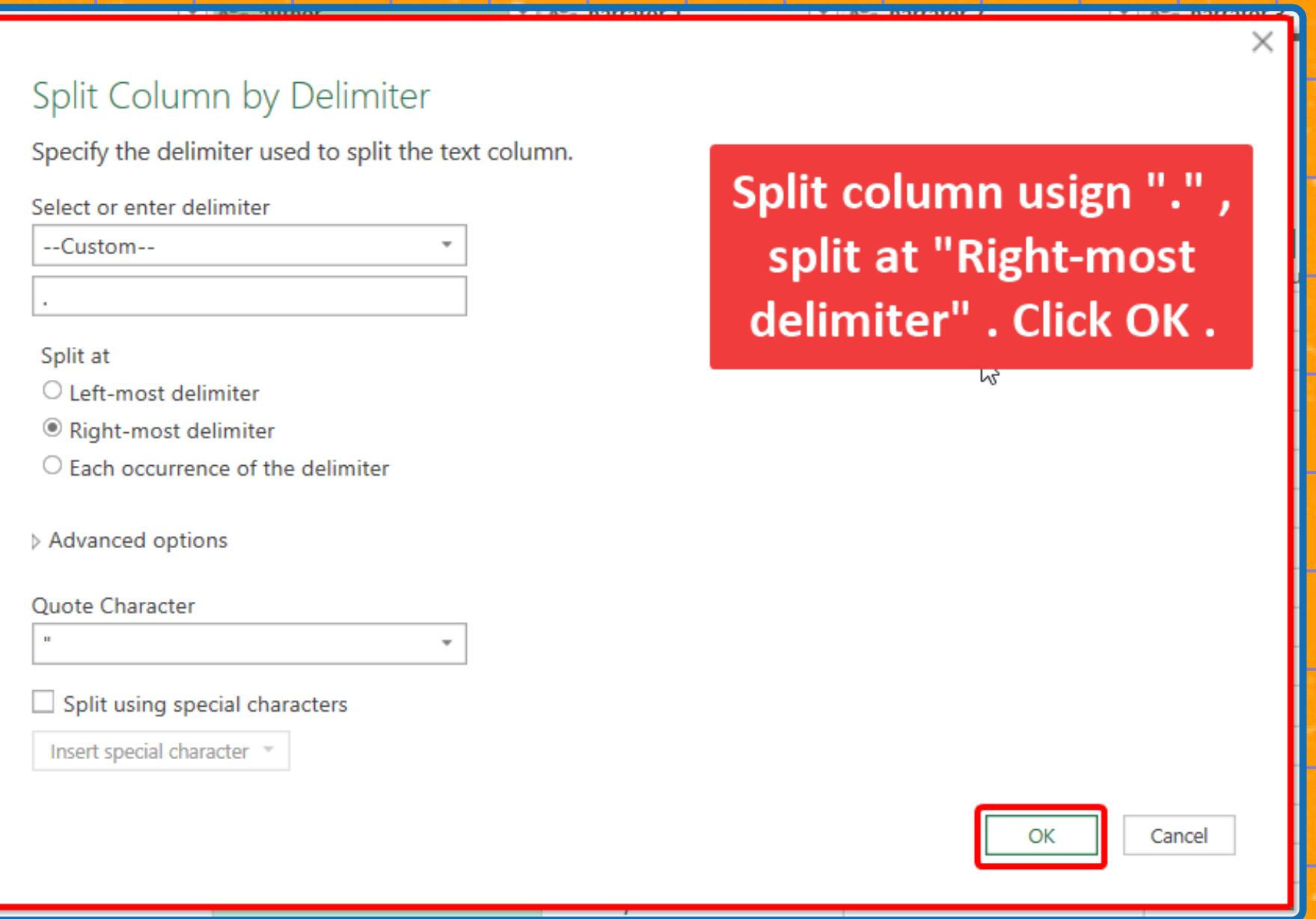
Step - 4 : Split column using "By Delimiter".

In this step , I splitted column using “By delimiter” .



Step - 4

Split column using “By Delimiter”



**Split column usign ".",
split at "Right-most
delimiter" . Click OK .**

In this step , I splitted
column using “.” from
“Right most side” as “By
delimiter” .



Step - 5

Merge columns



Merge these highlighted columns .

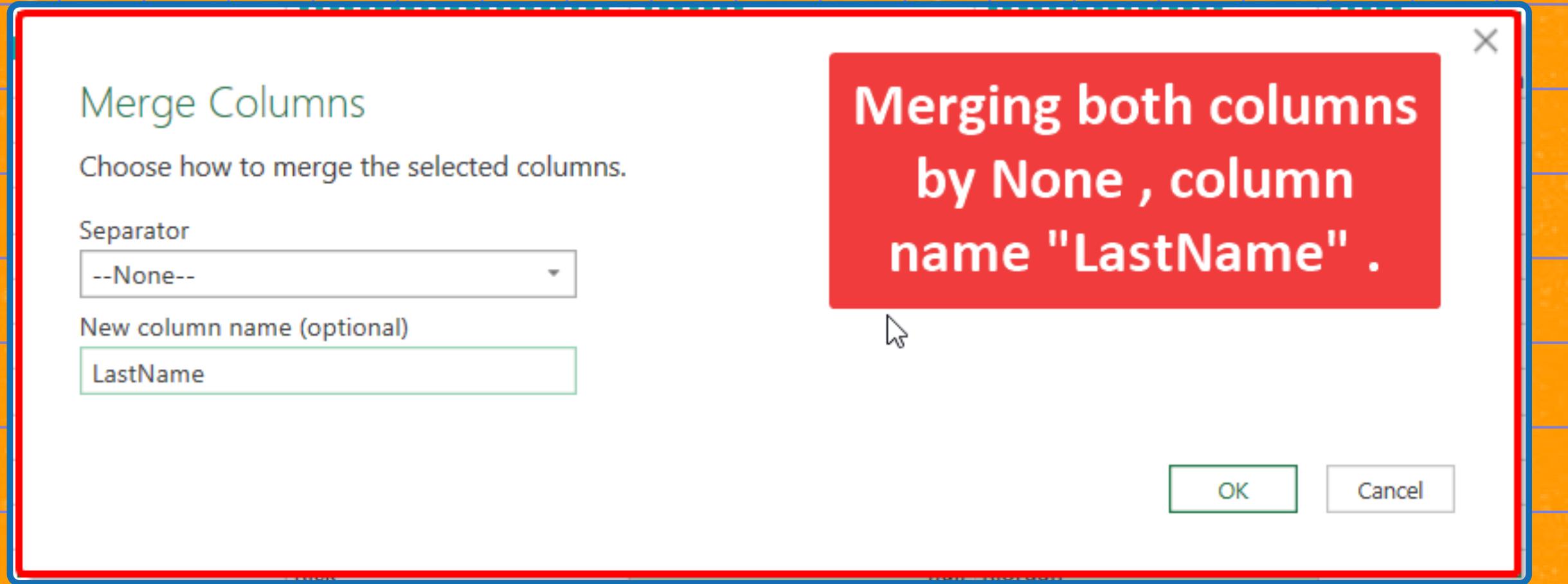
author.1.1	author.1.2	author.2
973 unique	442 distinct, 280 unique	22 distinct, 14 unique
Stilton #11 & #12	Geronimo	null Stilton
Maze	Rick	null Riordan
d	Jeff	null Kinney
the Deep	Rick	null Riordan
Thief: Percy Jackson, Book 1	Rick	null Riordan
Camper Special Edition		null Collins

In this step , I merged the columns highlighted in the image .



Step - 6

Merge columns and rename it to LastName



**Merging both columns
by None , column
name "LastName" .**

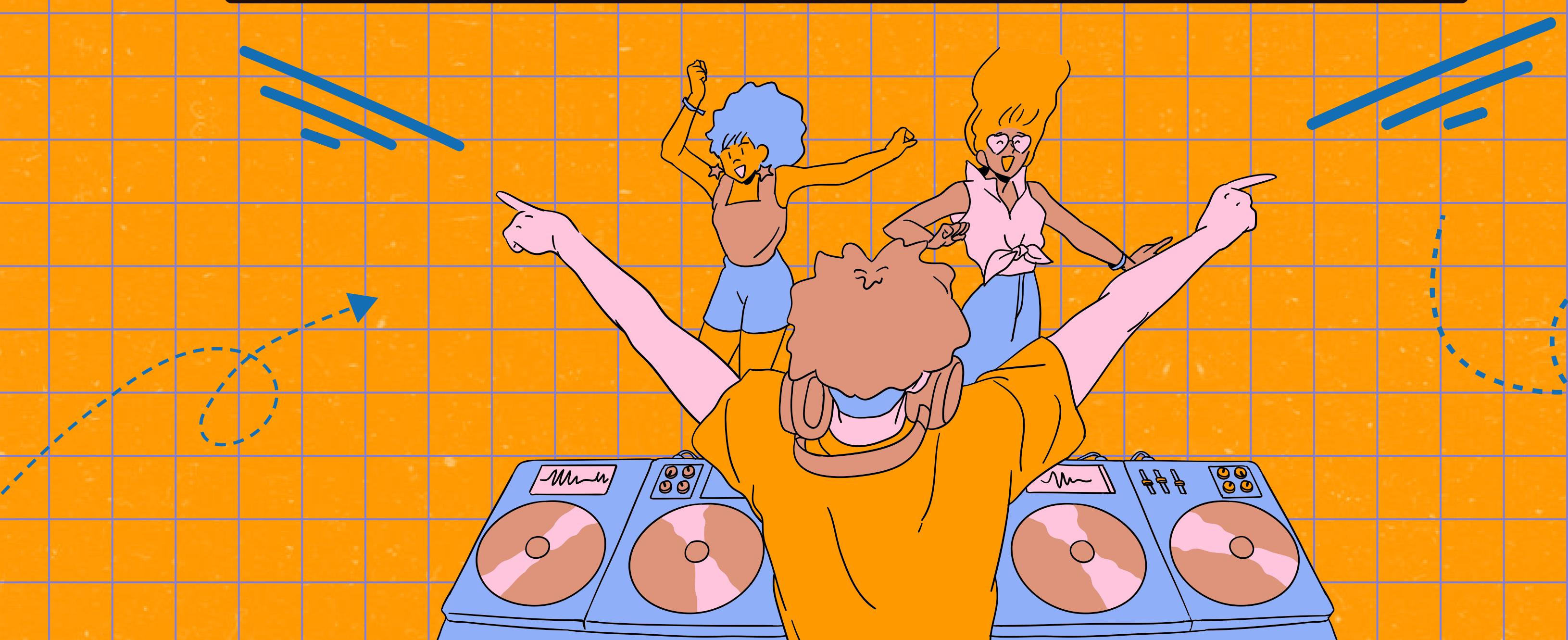
In this step , I merged the columns highlighted with "None" and rename column to "LastName" .



Question - 3

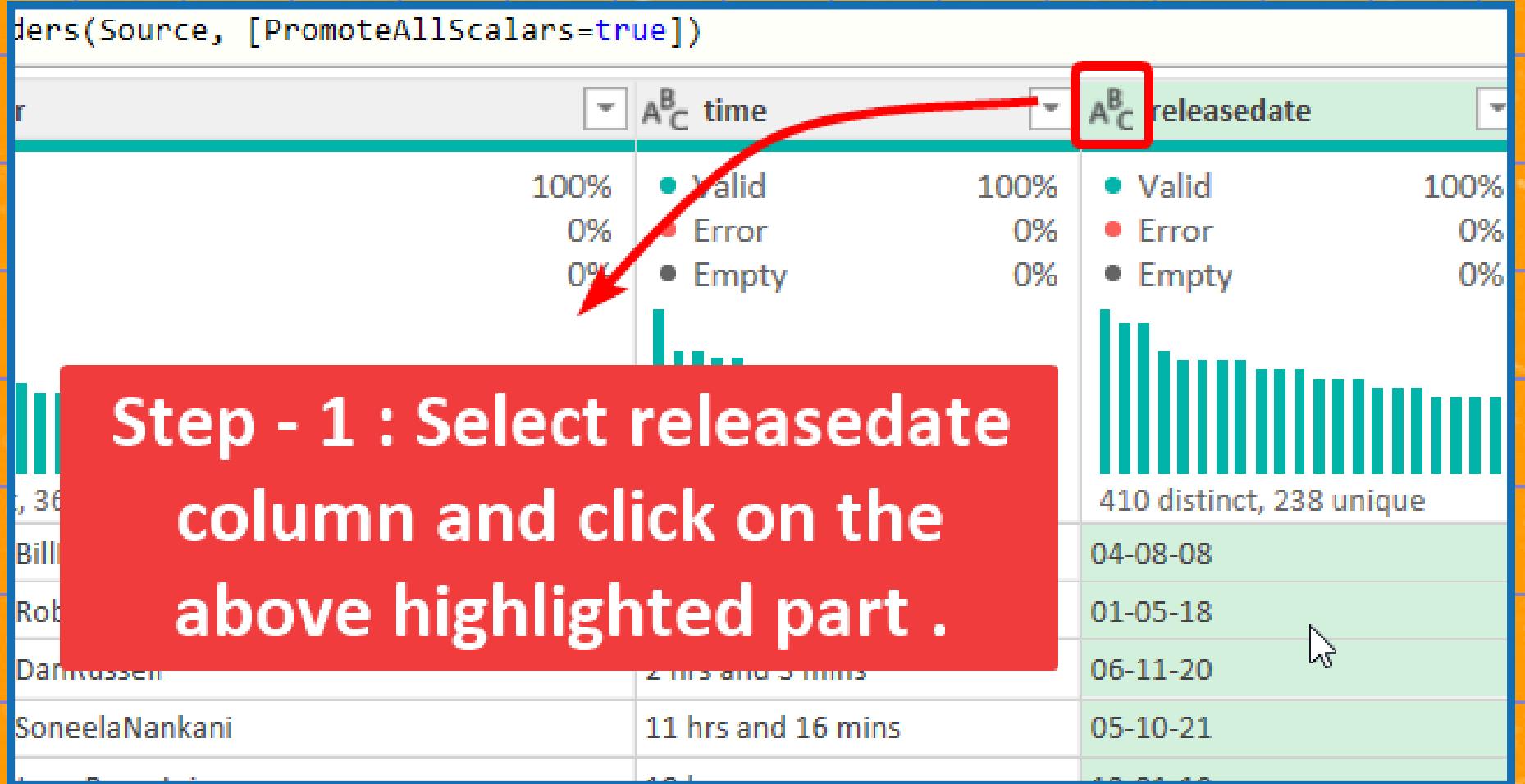
3.

Ensure all entries in the releasedate column follow a consistent date format (DD-MM-YYYY).



Step -1

Select Release column



In step first , I selected the release column .



Step - 2

Formatting Date format using Locale

The screenshot shows a data visualization interface with a dropdown menu open over a table. The table has columns for 'time' and 'releasedate'. The 'releasedate' column is currently selected, and its dropdown menu is open, displaying various data types: Decimal Number, Currency, Whole Number, Percentage, Date/Time, Date, Time, Date/Time/Timezone, Duration, Text, True/False, and Binary. The 'Using Locale...' option at the bottom of the list is highlighted with a red border. A red arrow points from a text box below to this highlighted option.

Step - 2 : After step -1 ,
Drop-down appears .
Now select using Locale .

Using Locale...

In step second , Select
Locale to change date
format.



Step - 3

Change Data type



Step - 3 : New dialogue box appears . Select data type "Date" and Locale "English (India)". Click on Ok .

Change Type with Locale

Change the data type and select the locale of origin.

Data Type

Date

Locale

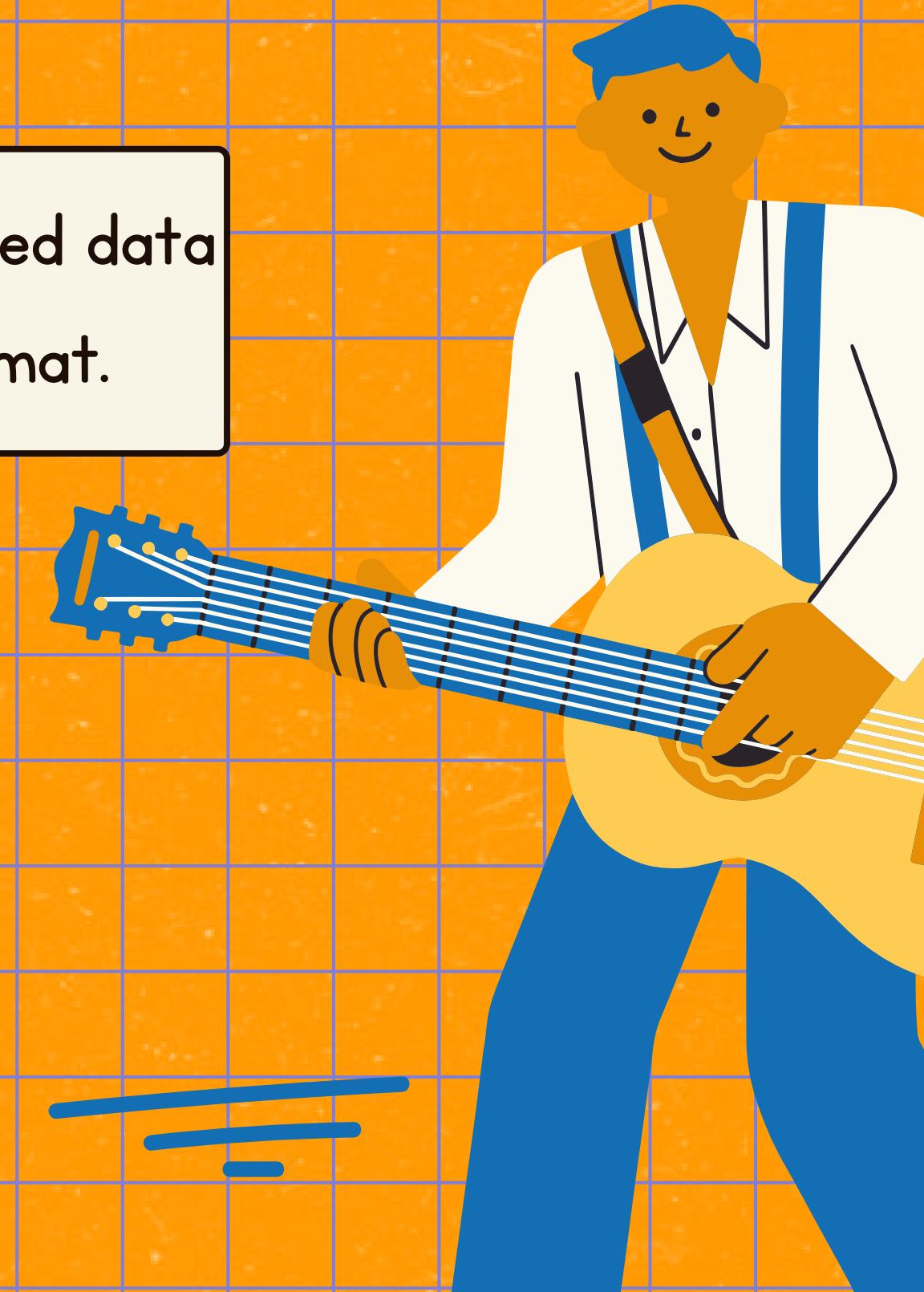
English (India)

Sample input values:

29-03-2016
29 March 2016
29 March
March, 2016

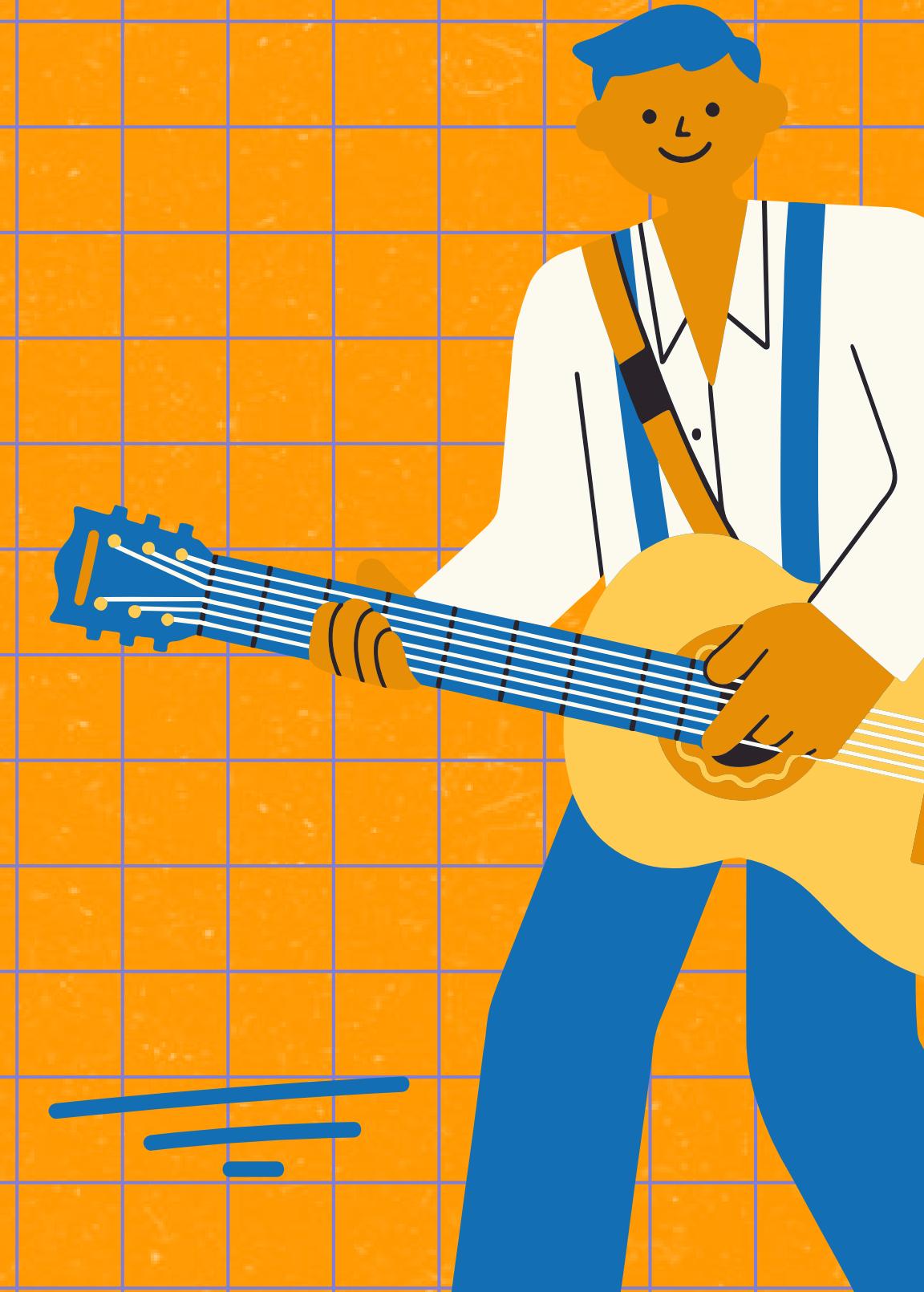
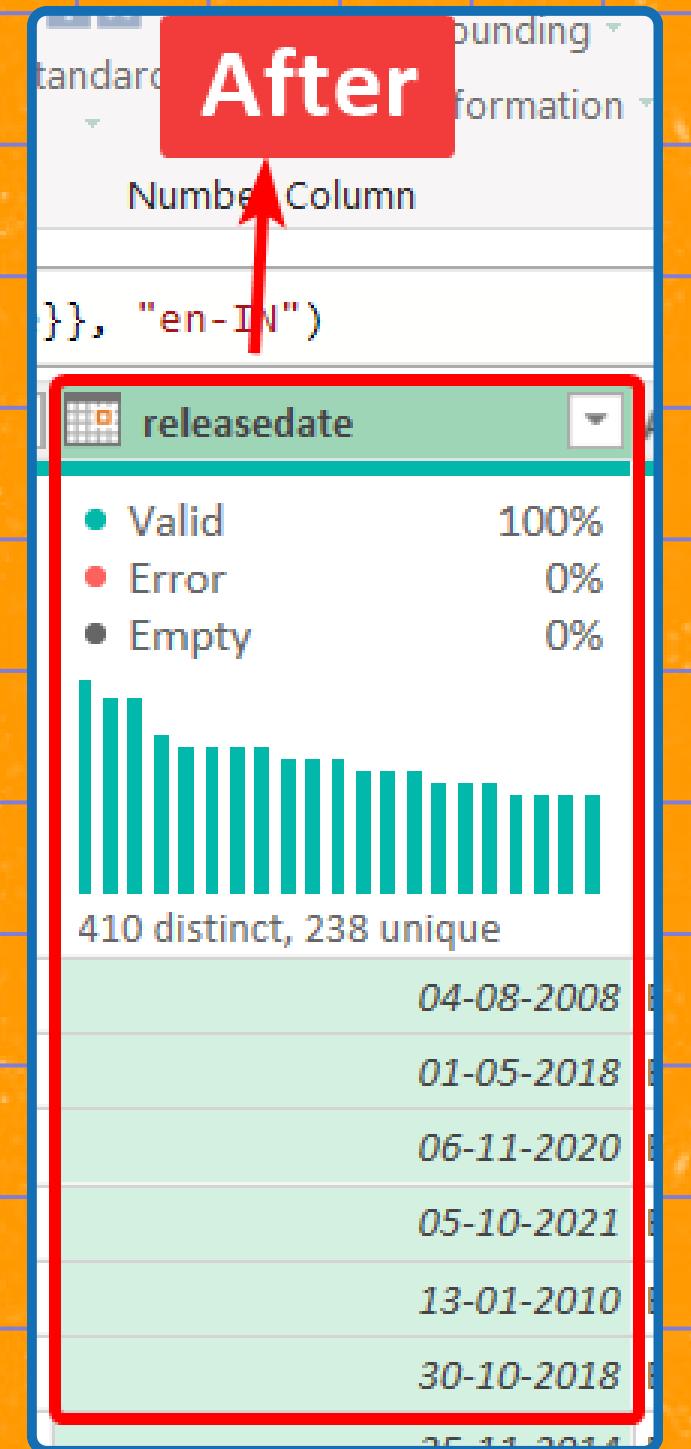
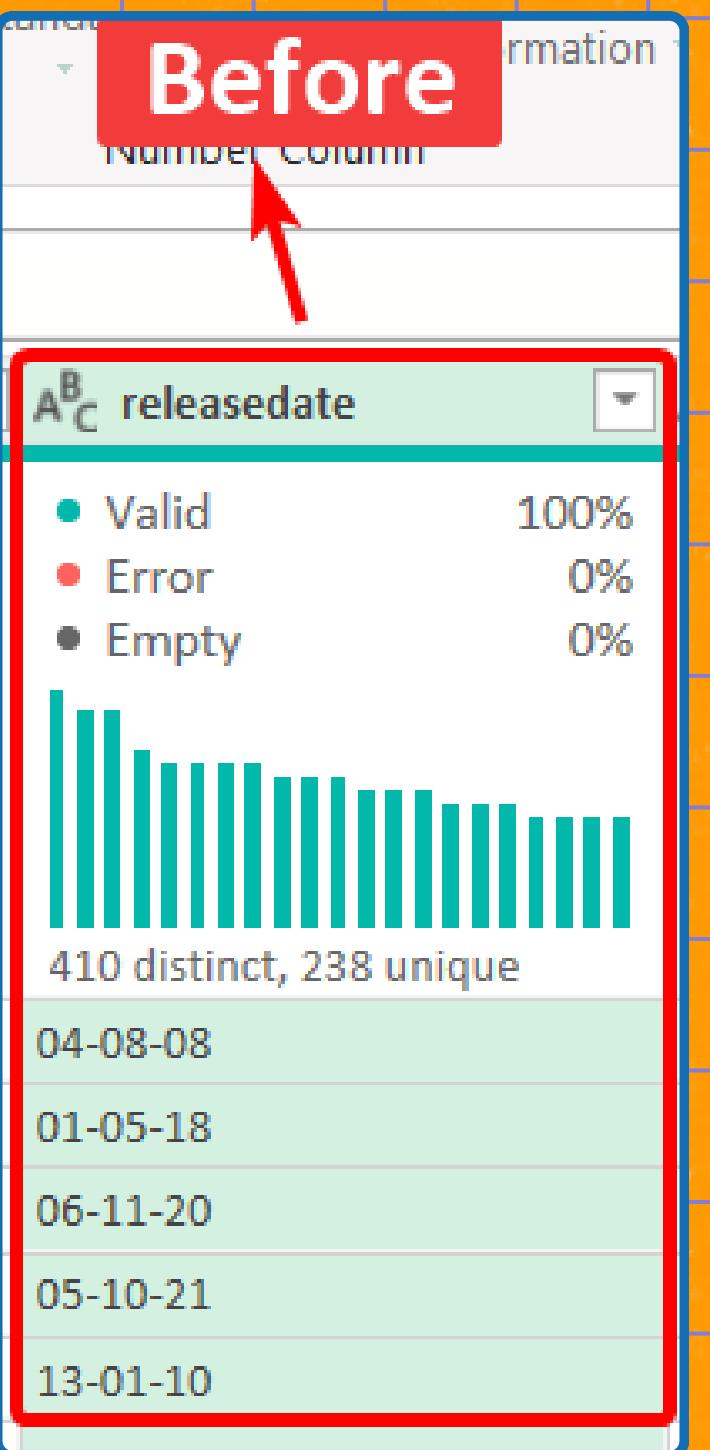
OK Cancel

In this step , I changed data type to date format.



Result

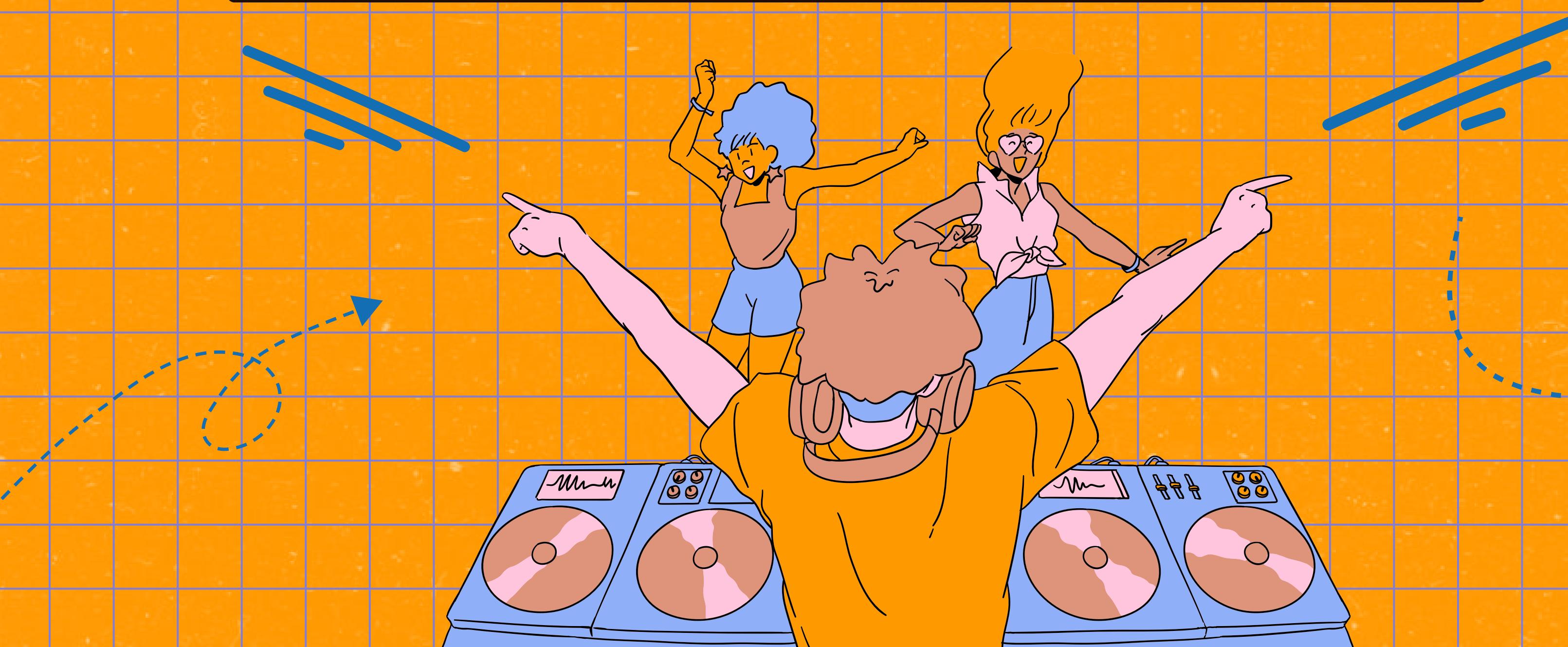
Before & After Comparision



Question - 4

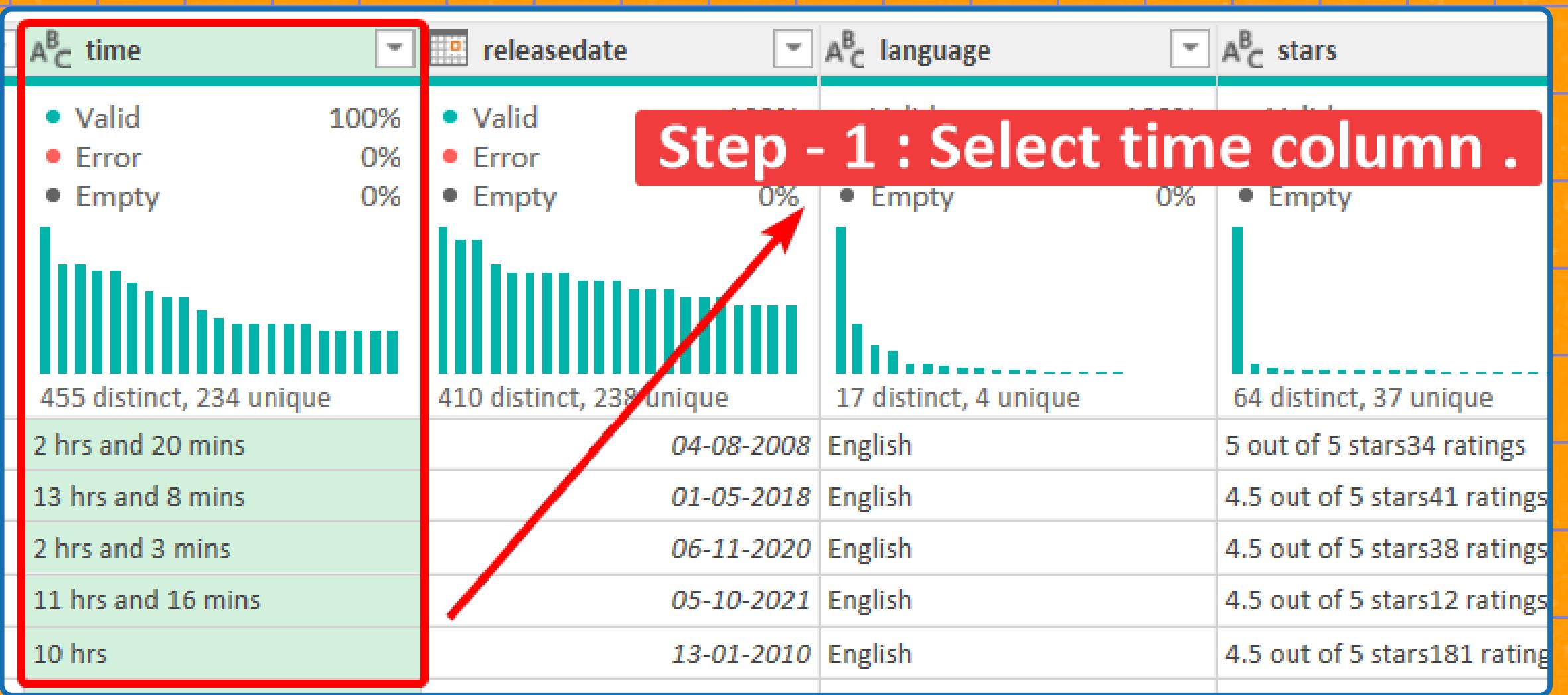
4

Convert the time column from text format to a duration format that Excel recognizes.

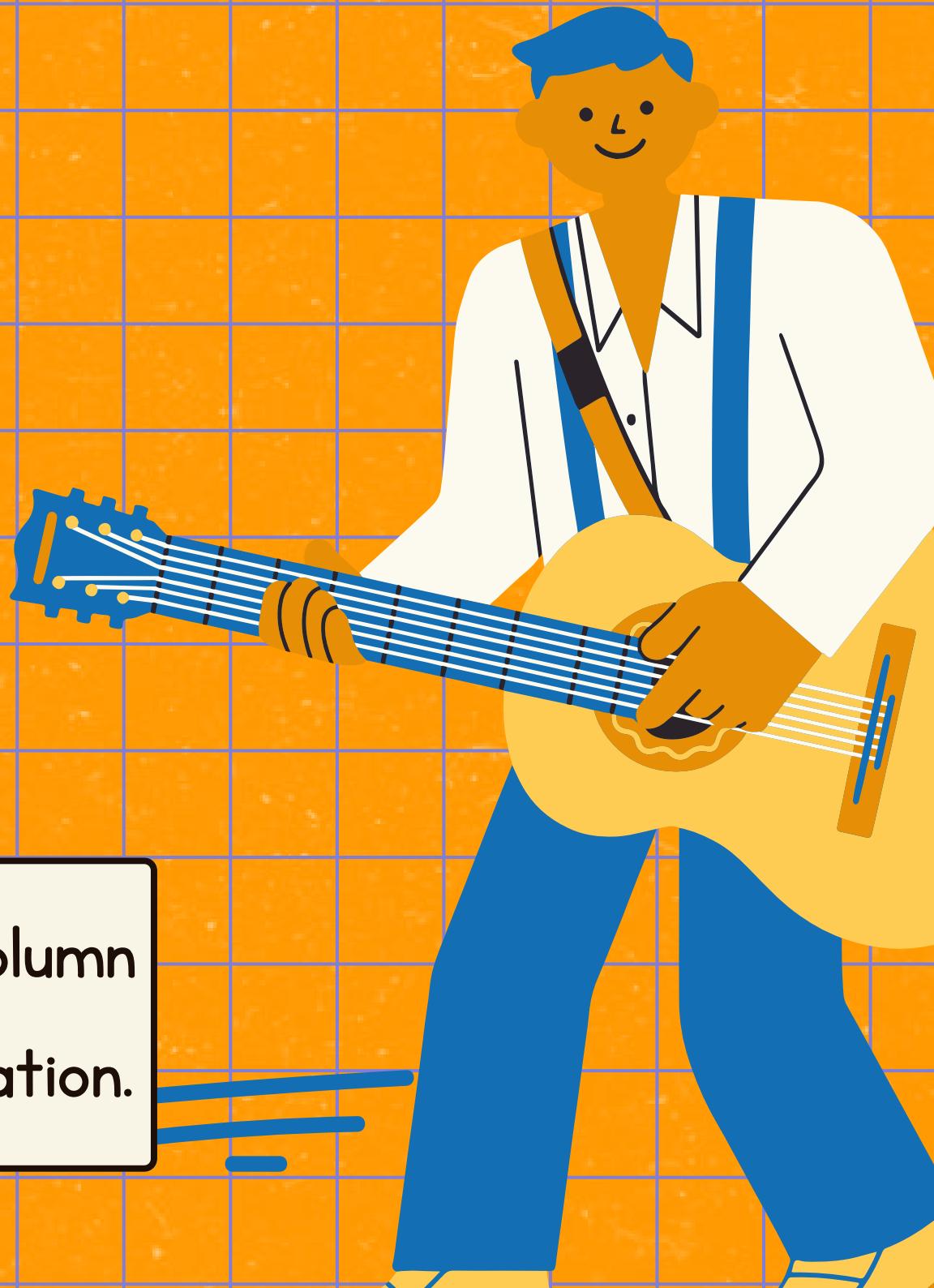


Step - 1

Select time column.



In first step , Select column
to perform transformation.



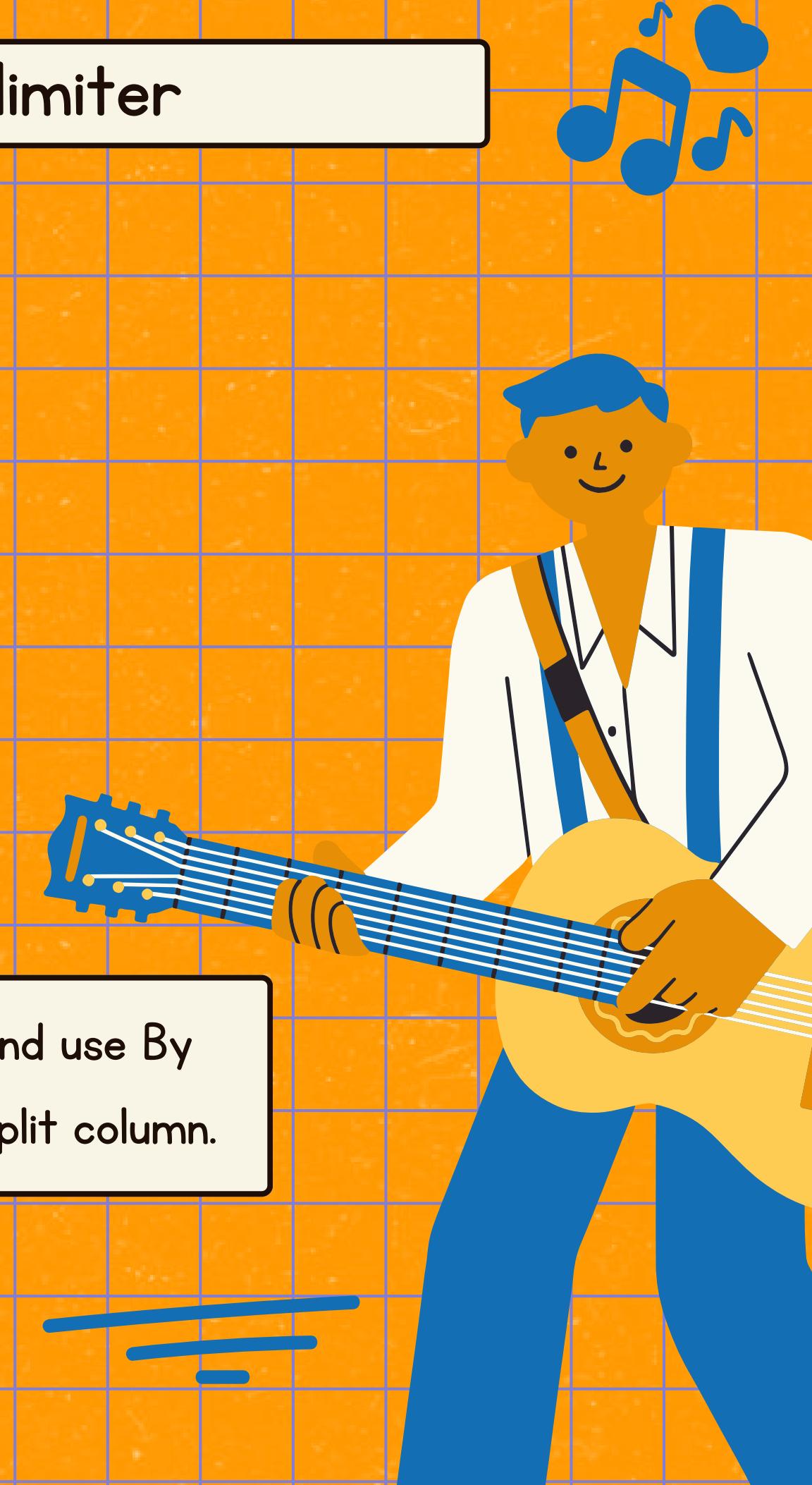
Step - 2

Separate column using delimiter

The screenshot shows a data processing interface with a toolbar at the top. In the center, there is a list of columns: 'releasedate', 'time - Copy.4', 'time - Copy.1', and 'en-IM'. Below the columns, there are four small bar charts with the following statistics: '455 distinct, 234 unique', '410 distinct, 238 unique', '17 distinct, 4 unique', and '64 distinct, 37 unique'. A red box highlights the 'Split Column' button in the toolbar. A red arrow points from the text below to the 'By Delimiter' option in the dropdown menu.

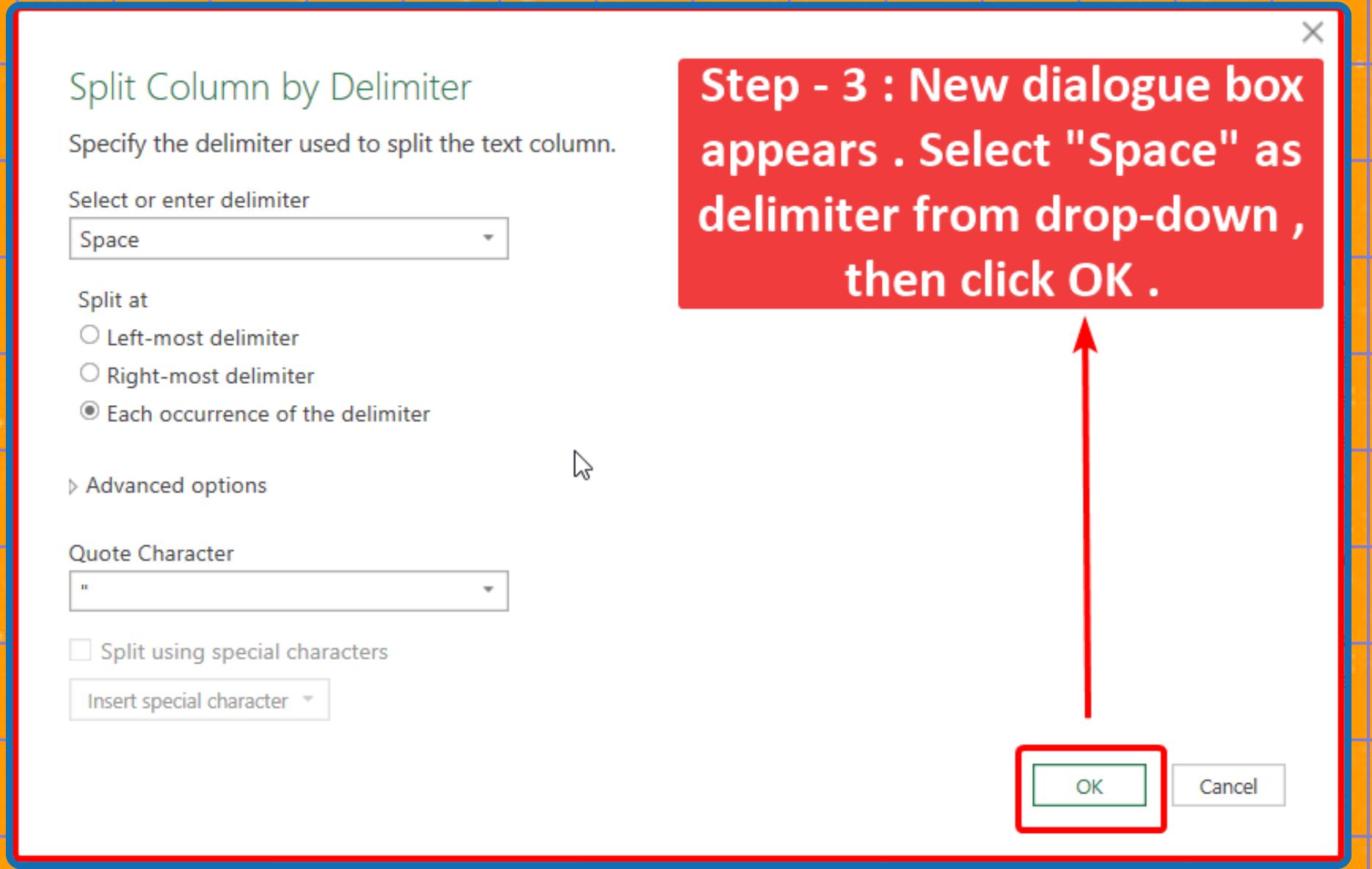
Step - 2 : Click on Split Column from transform column . Drop-down appears now click on " By Delimiter " .

In this step , Select column and use By delimiter from drop-down to split column.



Step - 3

Separate column using delimiter with "Space"

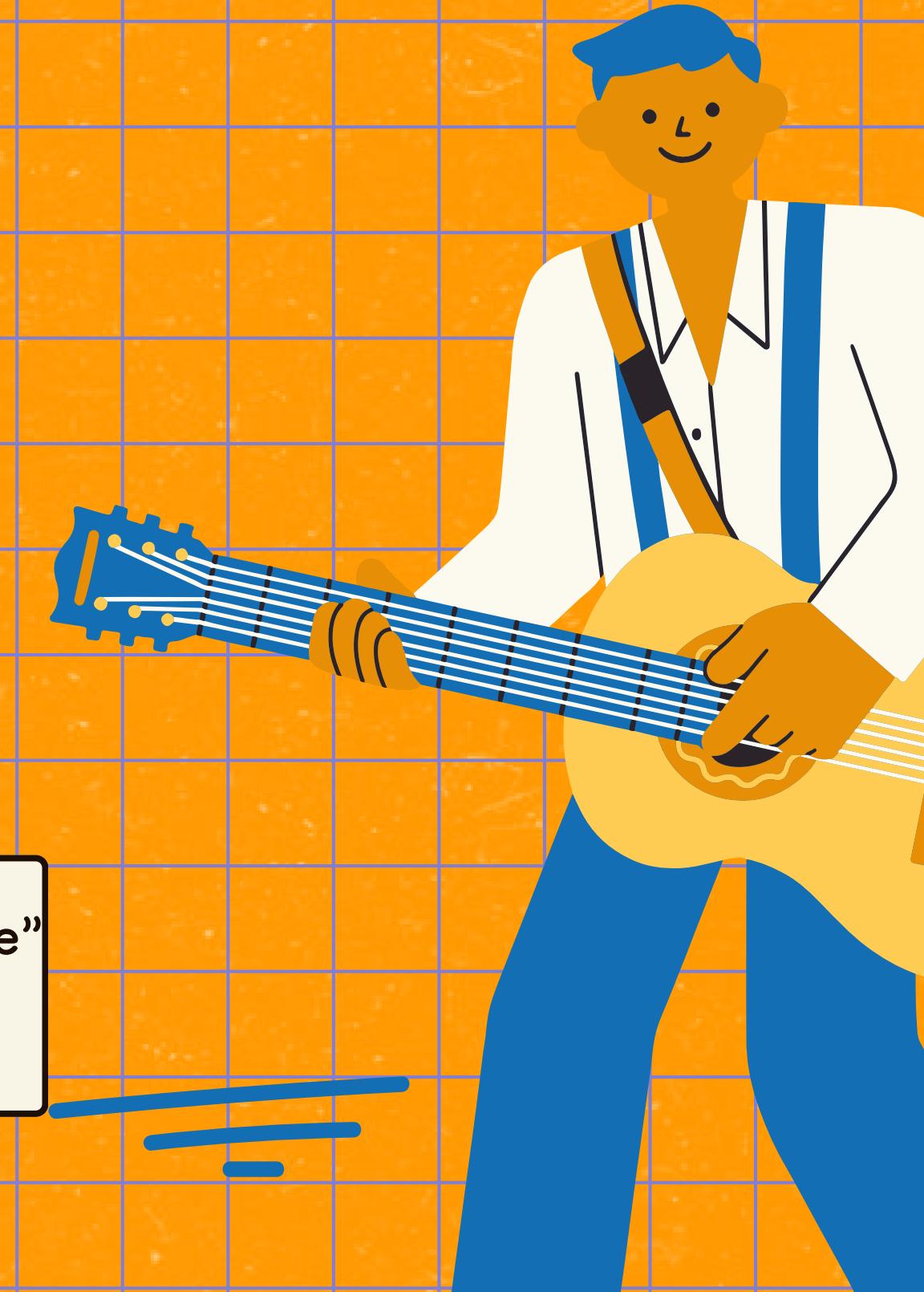


Step - 3 : New dialogue box appears . Select "Space" as delimiter from drop-down , then click OK .

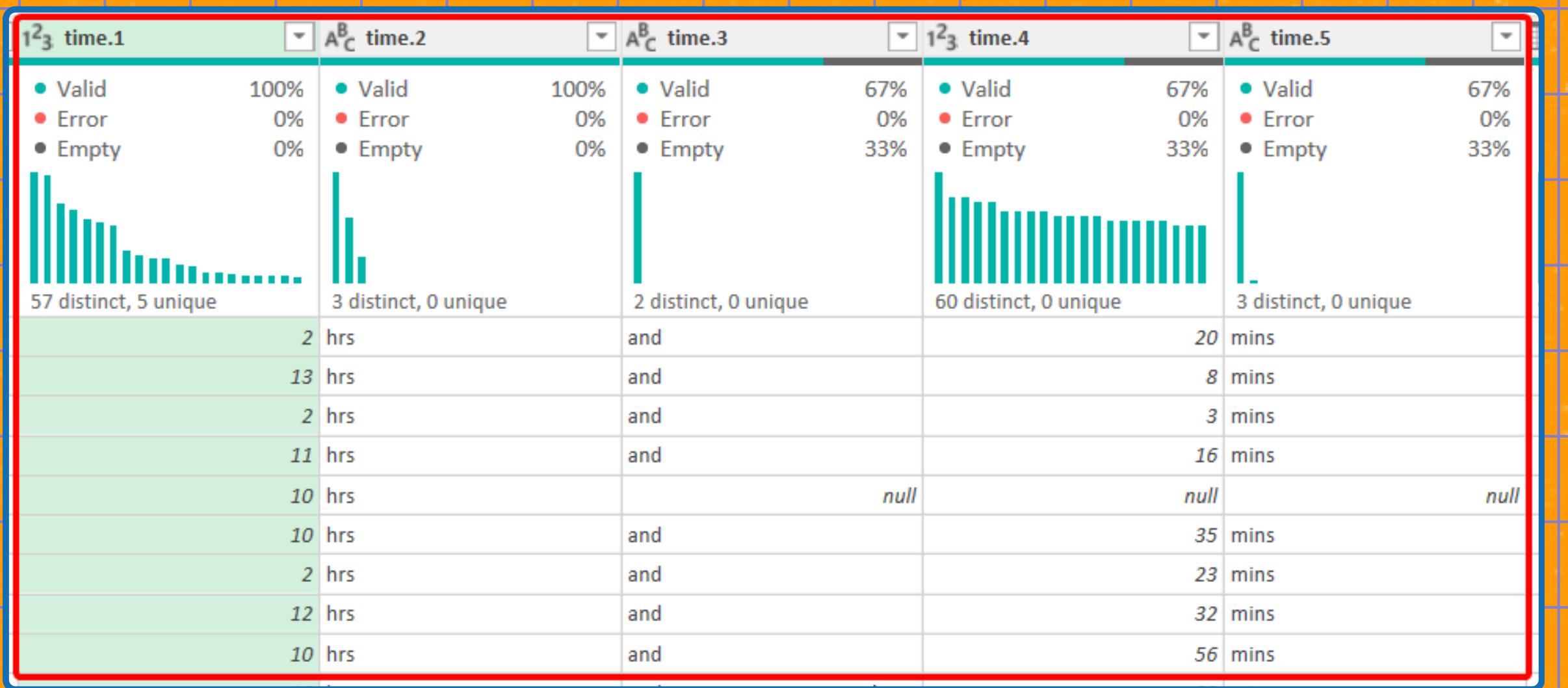
OK

Cancel

In this step , Select "Space" delimiter to split column.



Step - 3 result

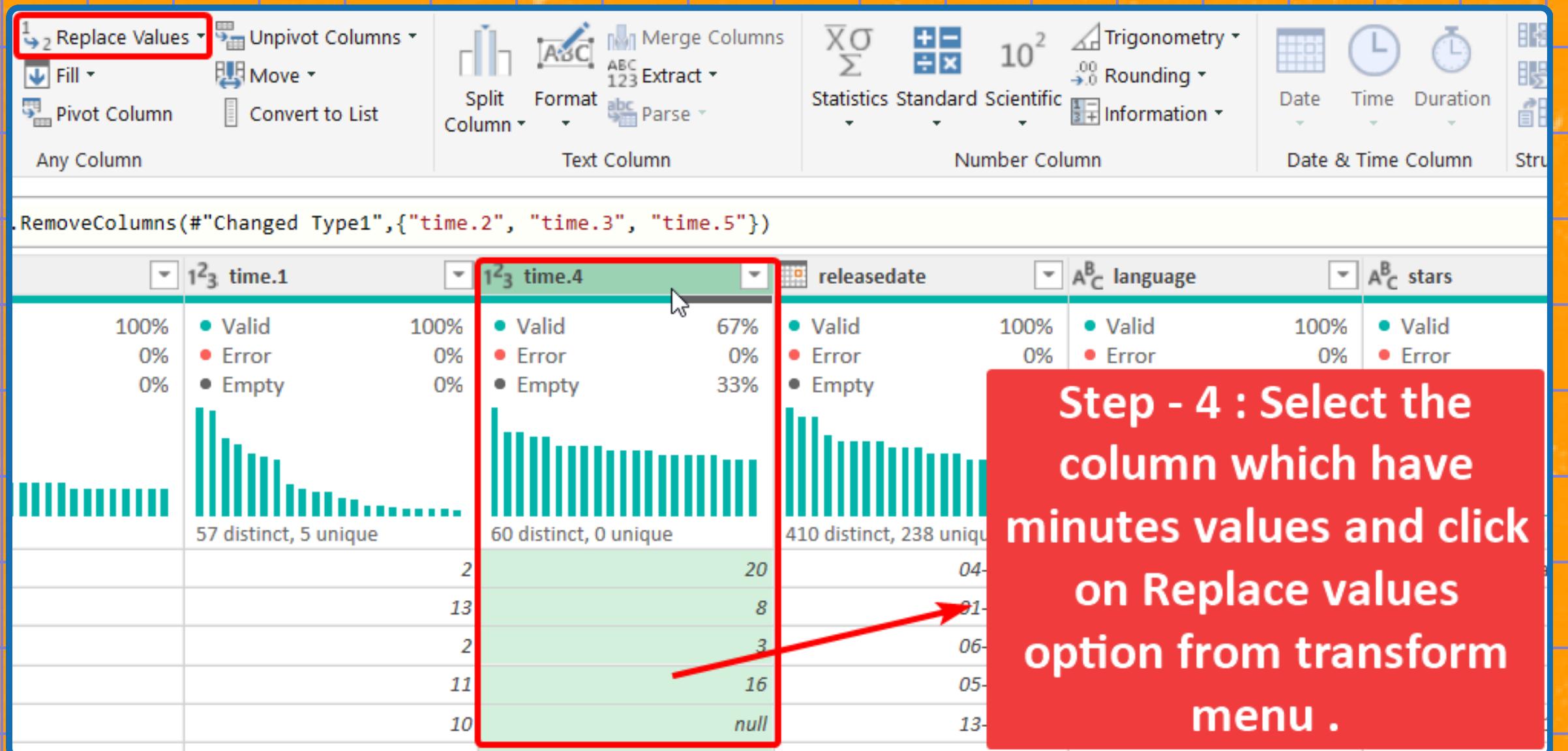


In this step , time column
splitted in new 5 columns,
remove unneccesary columns.



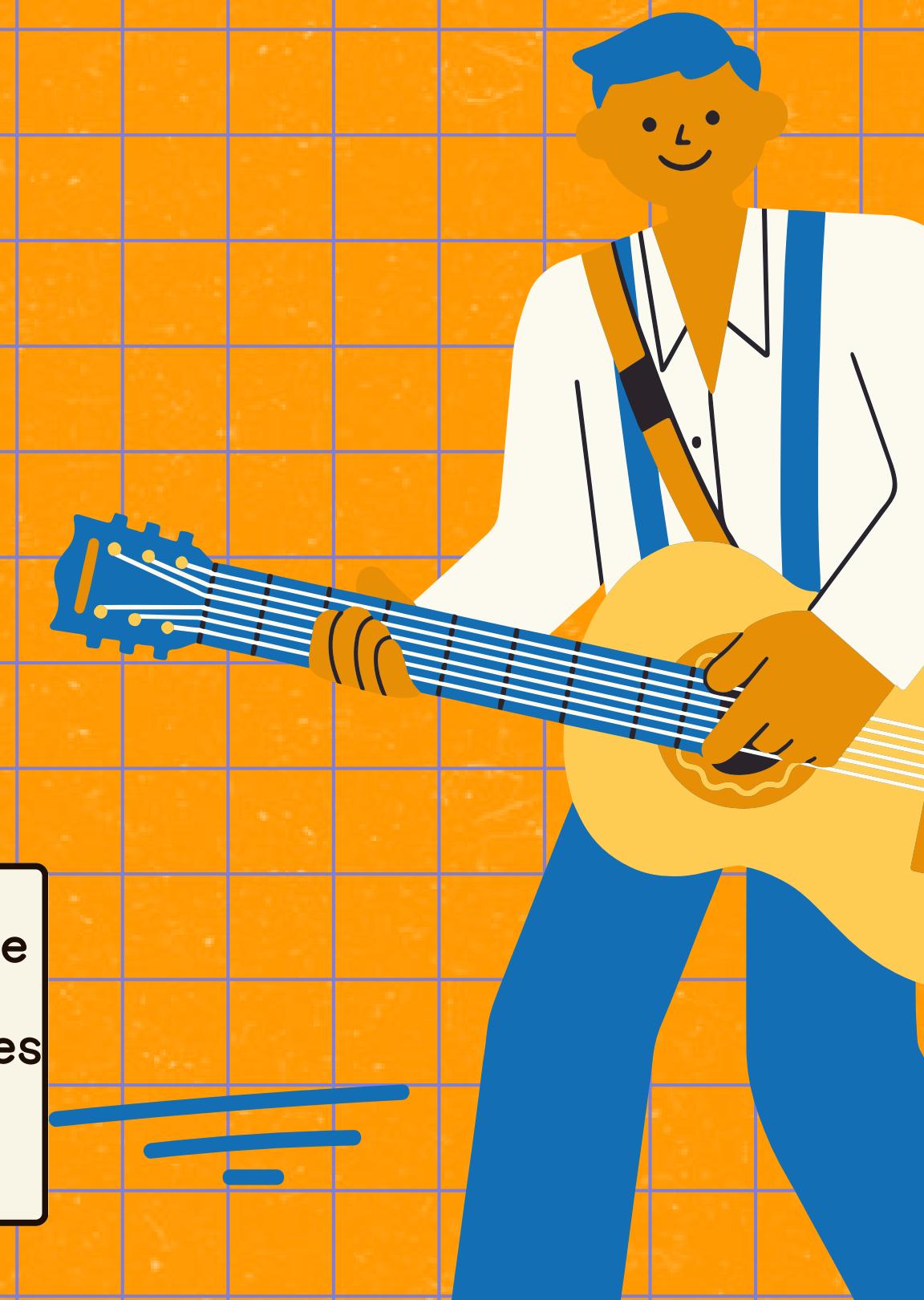
Step - 4

Replace null with 00/zeros



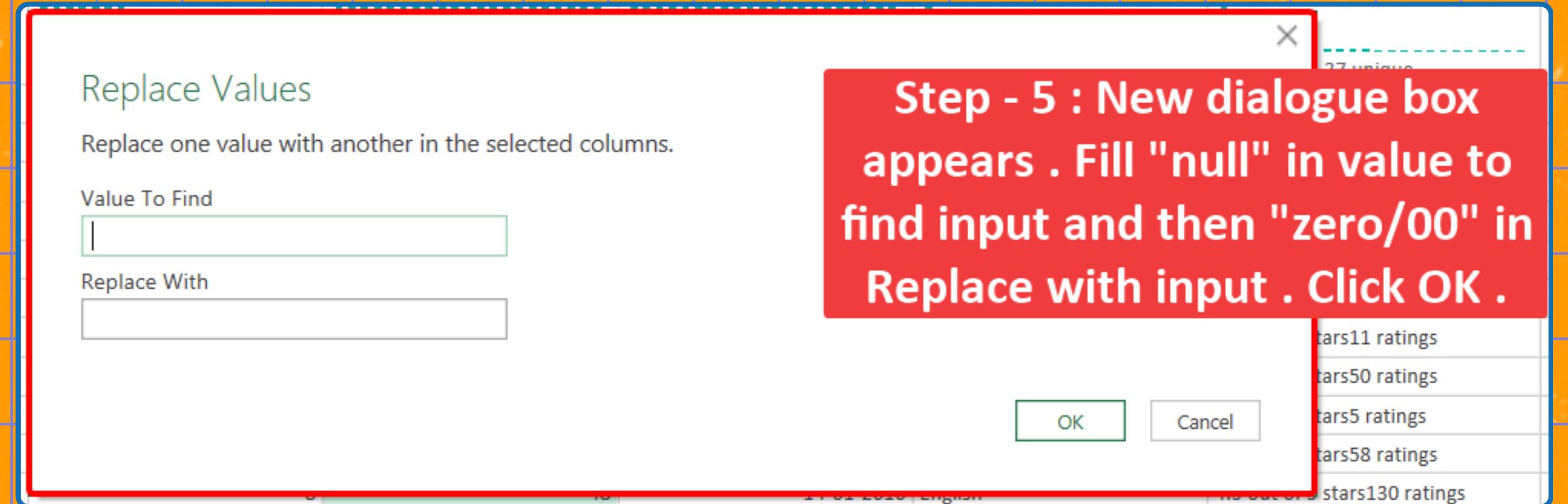
Step - 4 : Select the column which have minutes values and click on Replace values option from transform menu .

In this step , Select minute column to replace null values with 00.



Step - 5

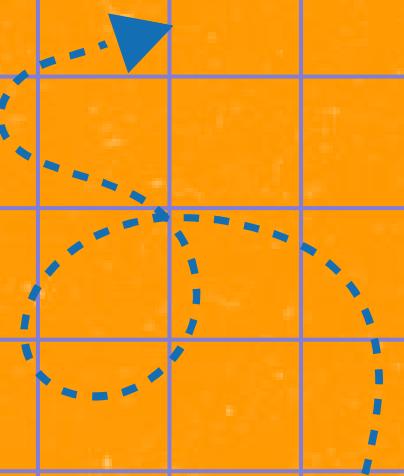
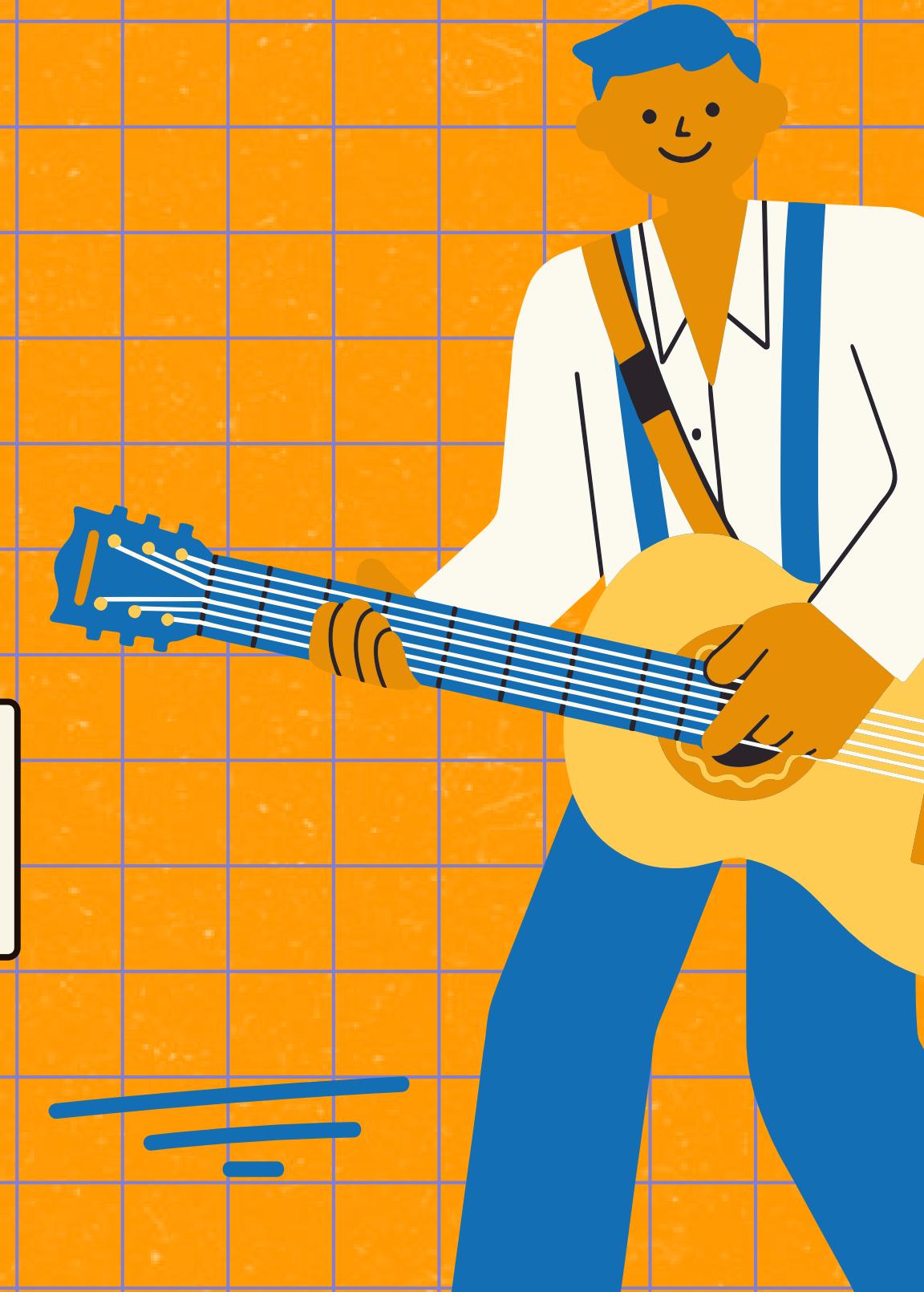
Replace null with 00/zeros



Step - 5 : New dialogue box appears . Fill "null" in value to find input and then "zero/00" in Replace with input . Click OK .

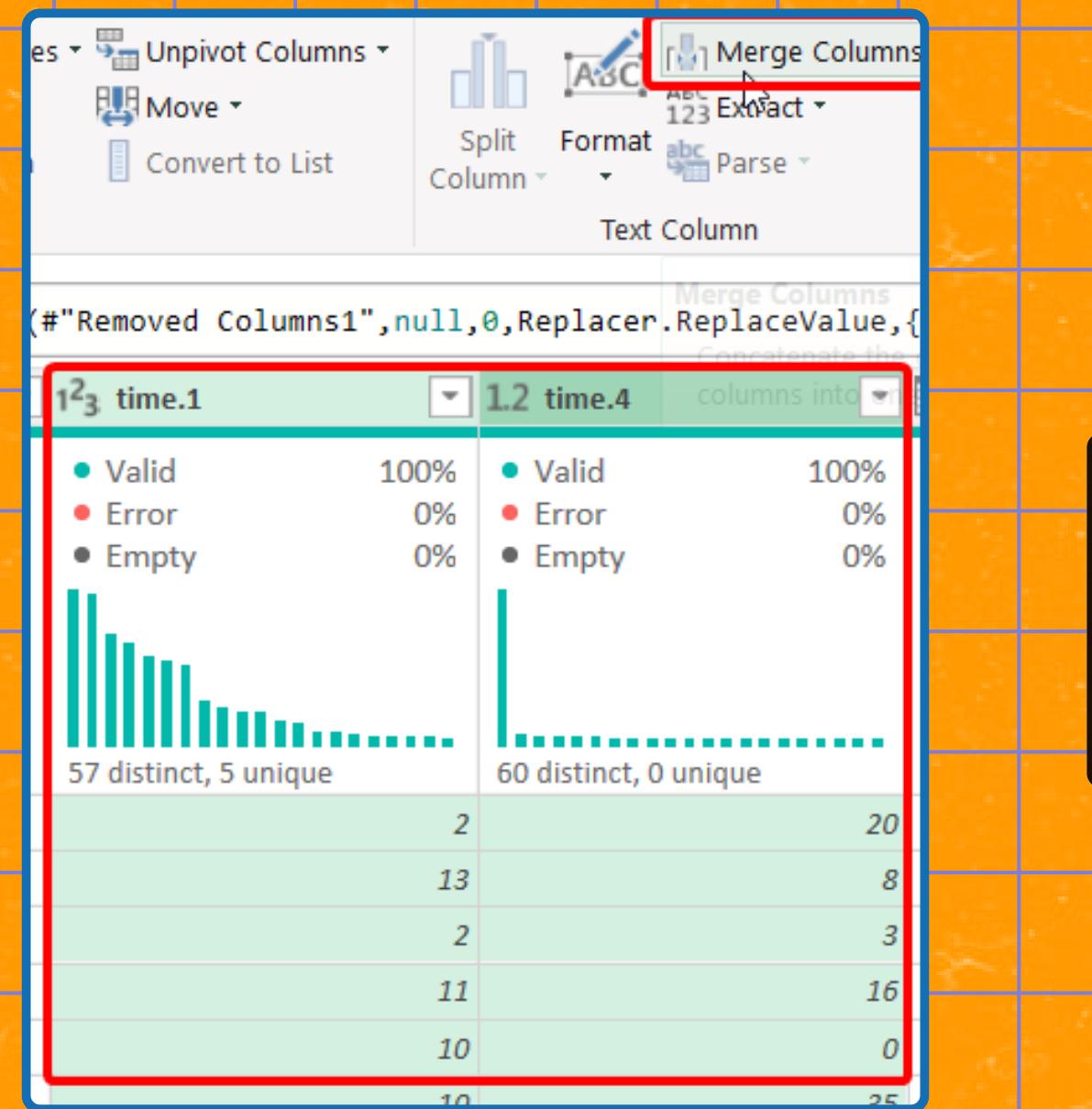
OK Cancel

In this step , replace null values with 00.



Step - 6

Select both column to merge

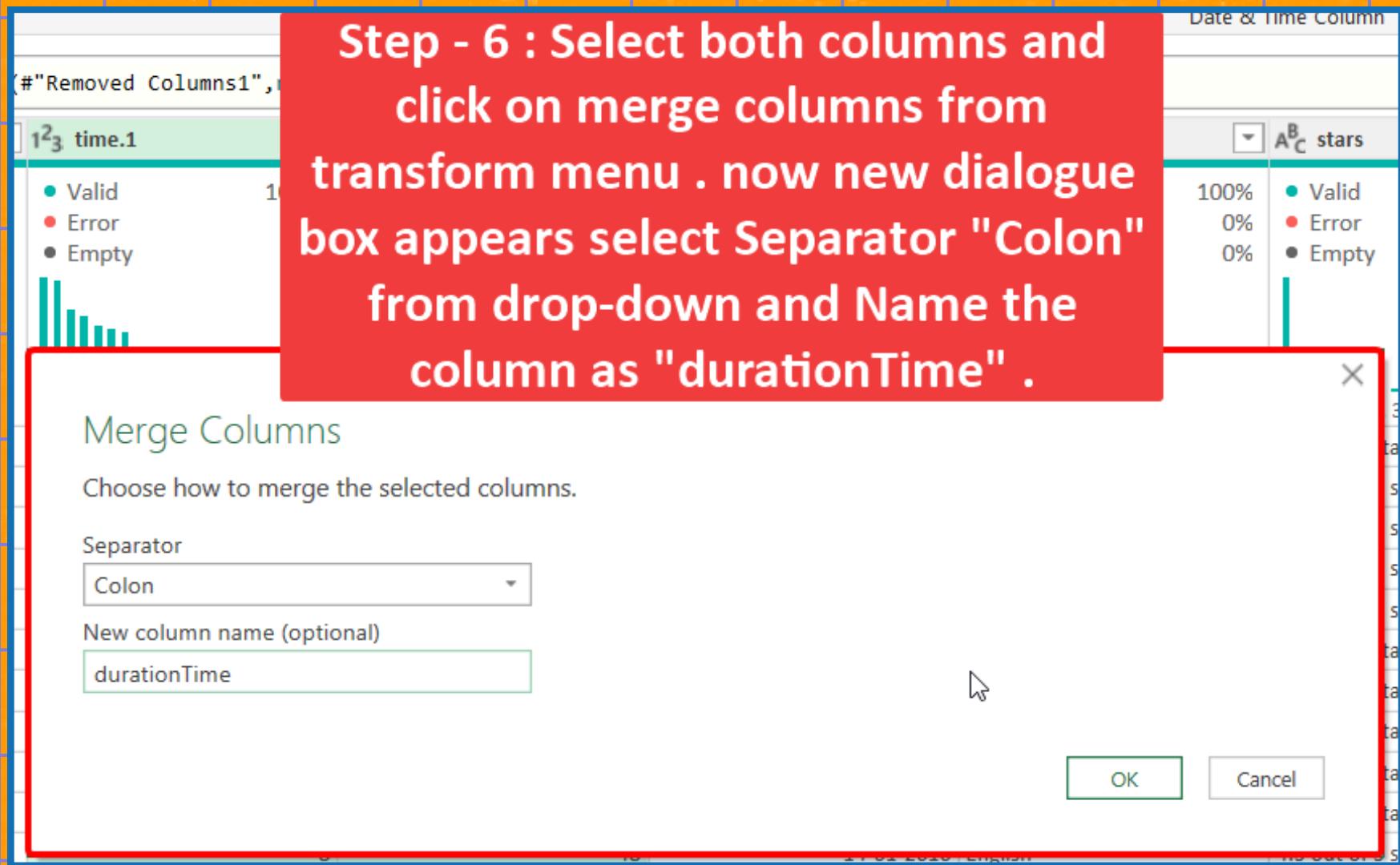


In this step , Select column
to merge them.



Step - 6

Select both column to merge



In this step , Select “Colon” from separator , name new column.



Step - 7

Change data type to "duration"



The screenshot shows a data grid with columns: durationTime, releasedate, language, and stars. A context menu is open over the 'durationTime' column header, with 'Duration' highlighted. A red arrow points from a callout box to this menu item.

durationTime

releasedate

language

stars

1.2 Decimal Number
\$ Currency
1 Whole Number
% Percentage
Date/Time
Date
Time
Date/Time/Timezone
Duration
Text
True/False
Binary
Using Locale...

Step - 7 : Click on "ABC" , drop-down appears . Now click on "Duration" from it .

durationTime	releasedate	language	stars
valid	100%	Valid	100%
error	0%	Error	0%
empty	0%	Empty	0%

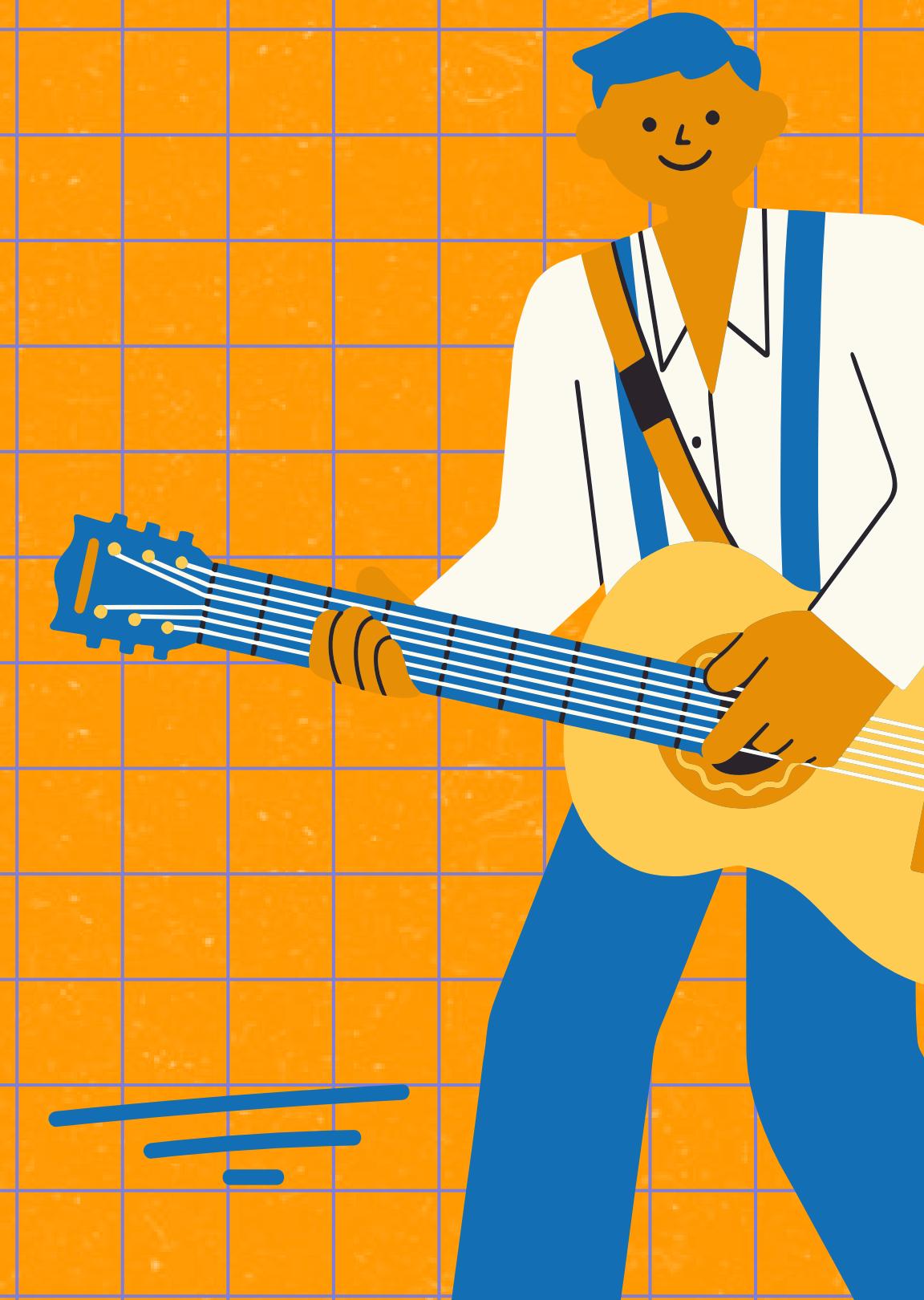
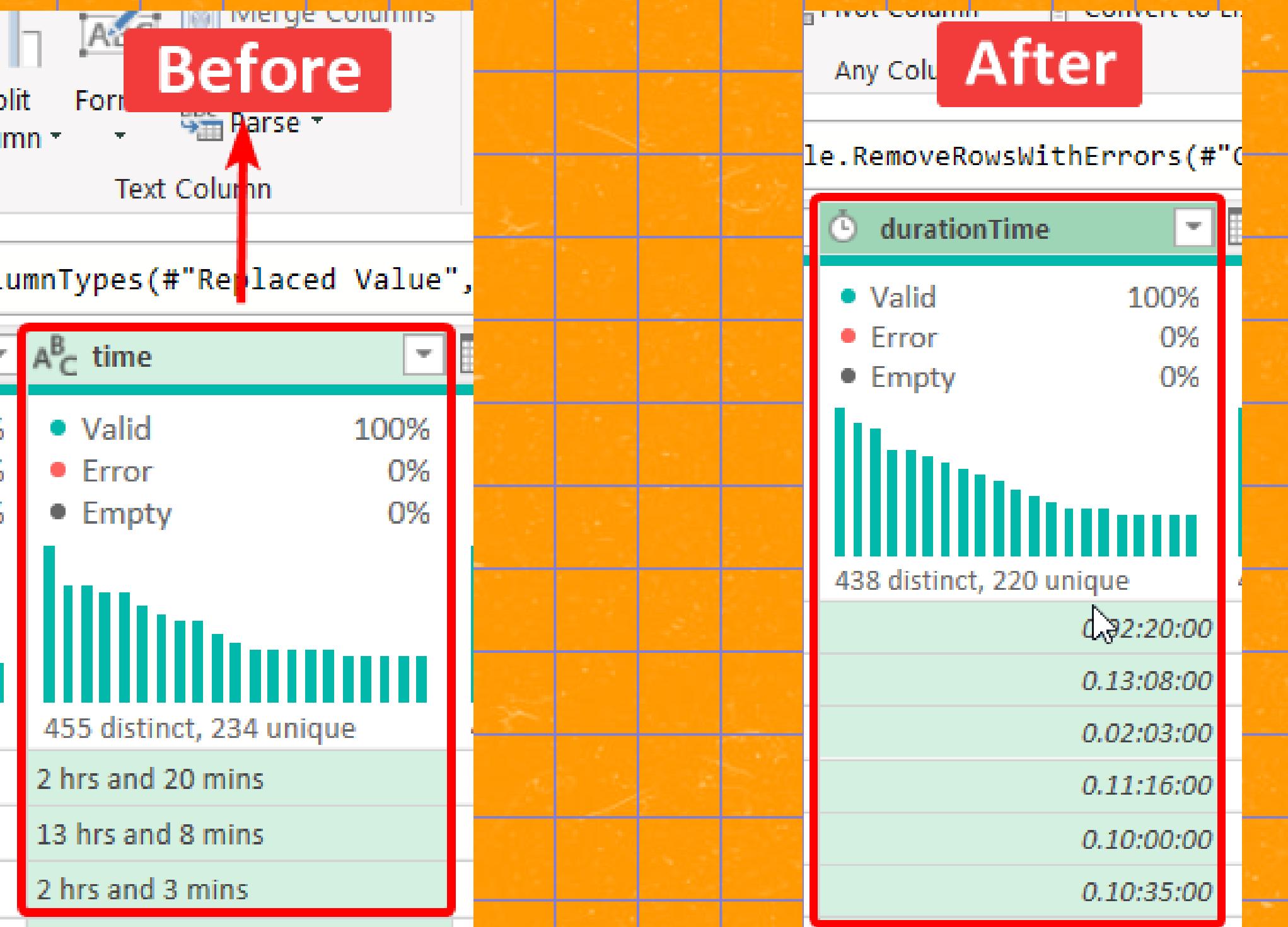
13-01-2010 English 4.5 out of 5 stars
30-10-2018 English 5 out of 5 stars
25-11-2014 English 5 out of 5 stars
02-05-2017 English 5 out of 5 stars

In this step , Select "Color" from separator , name new column.



Result

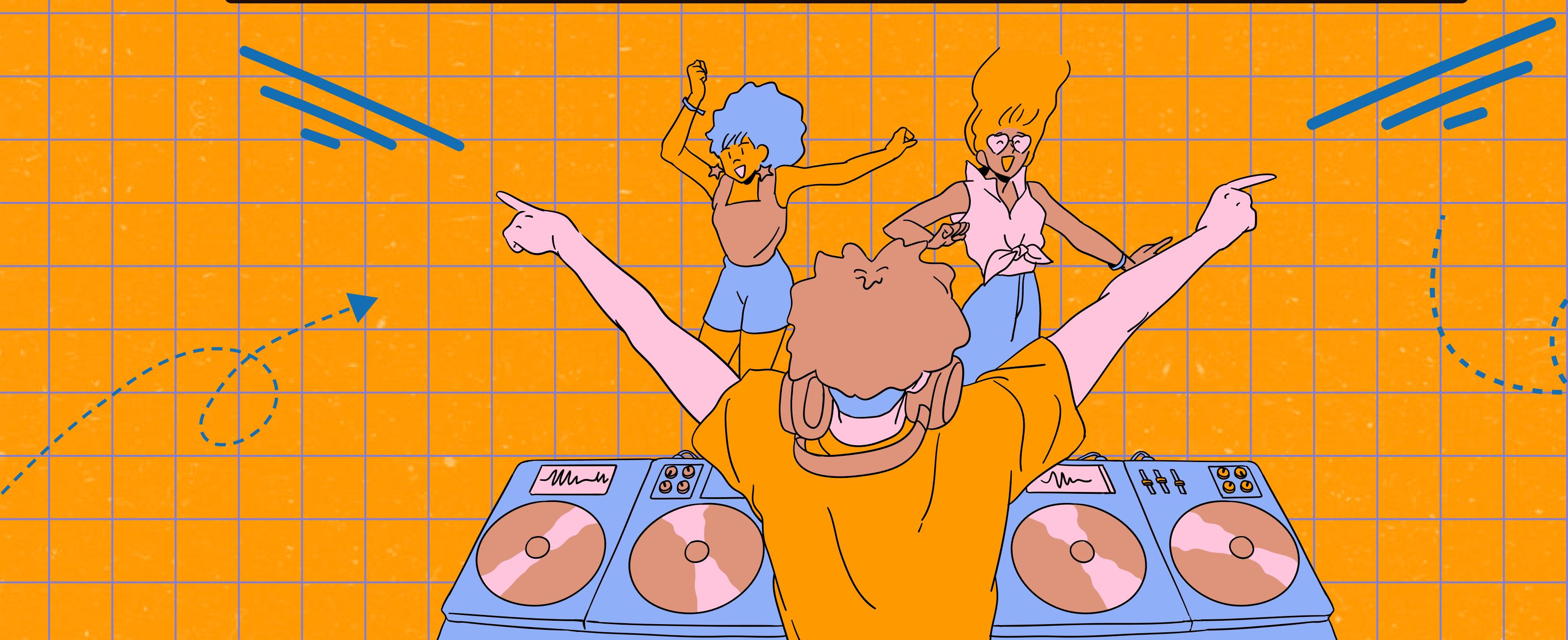
Before & After Comparision



Question - 5

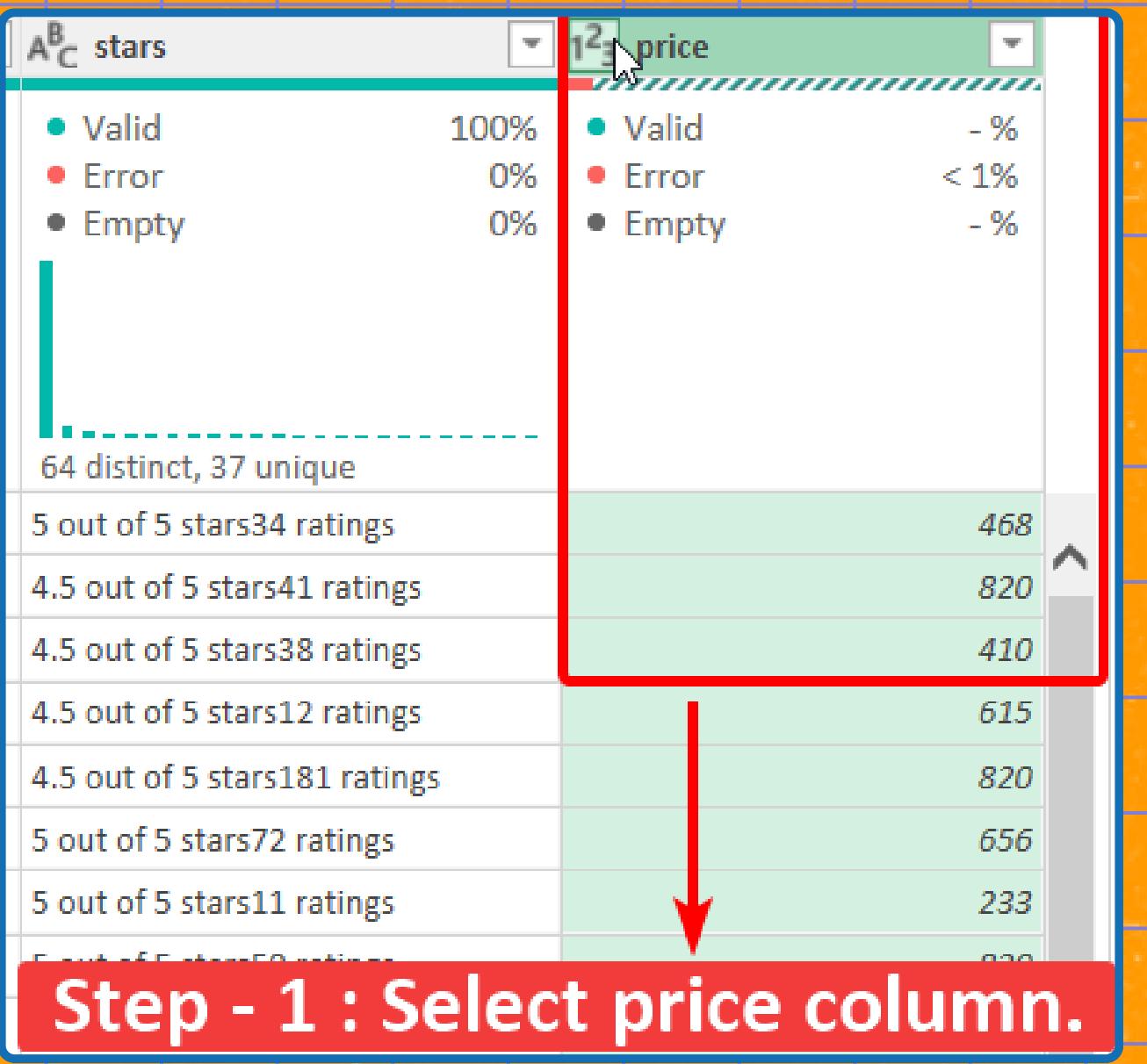
5.

Ensure the price column is in a numeric format, and identify any non-numeric values.



Step -1

Select price column.



In step first , I selected
the price column , so i can
transform it .



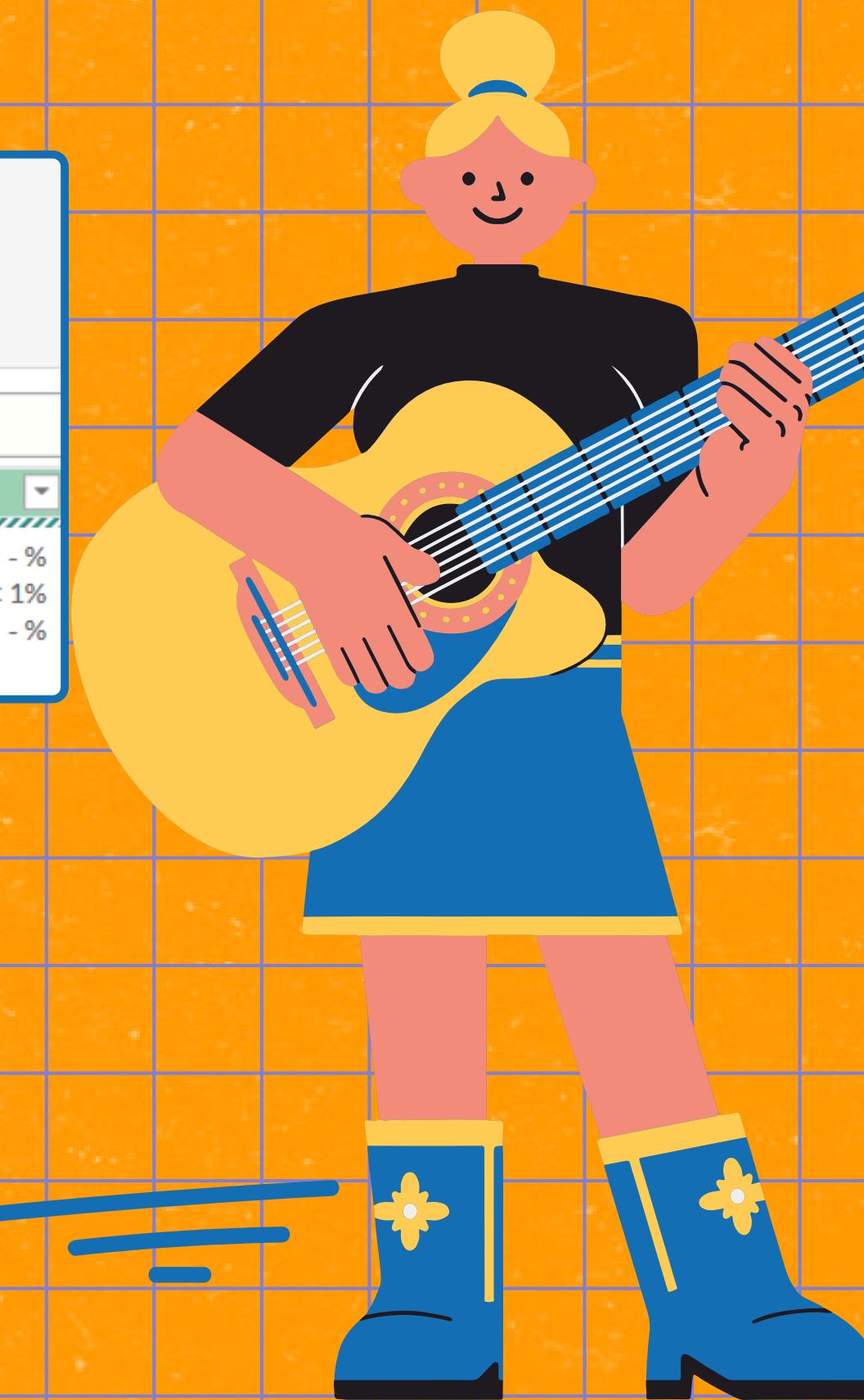
Step - 2

option (a) → Click on Data type from Home menu.
option (b) → Click on 123 as highlighted.

The screenshot shows the Power BI desktop interface. The top navigation bar has several icons and dropdown menus. A red box highlights the 'Data Type' dropdown under the 'Transform' section of the ribbon. Another red box highlights the '123' icon in the bottom right corner of the ribbon. A red arrow points from the text 'Step - 2 : Click on any of the highlighted options .' to the '123' icon. The main area displays a data preview table with columns: time, releasedate, language, stars, and price. Each column has a percentage breakdown of data quality: Valid, Error, and Empty. The 'price' column is currently set to 'Whole Number' data type.

Step - 2 : Click on any of the highlighted options .

	A ^b C time	A ^b C releasedate	A ^b C language	A ^b C stars	A ^b C price
100%	• Valid	100%	• Valid	100%	• Valid
0%	• Error	0%	• Error	0%	• Error
0%	• Empty	0%	• Empty	0%	• Empty



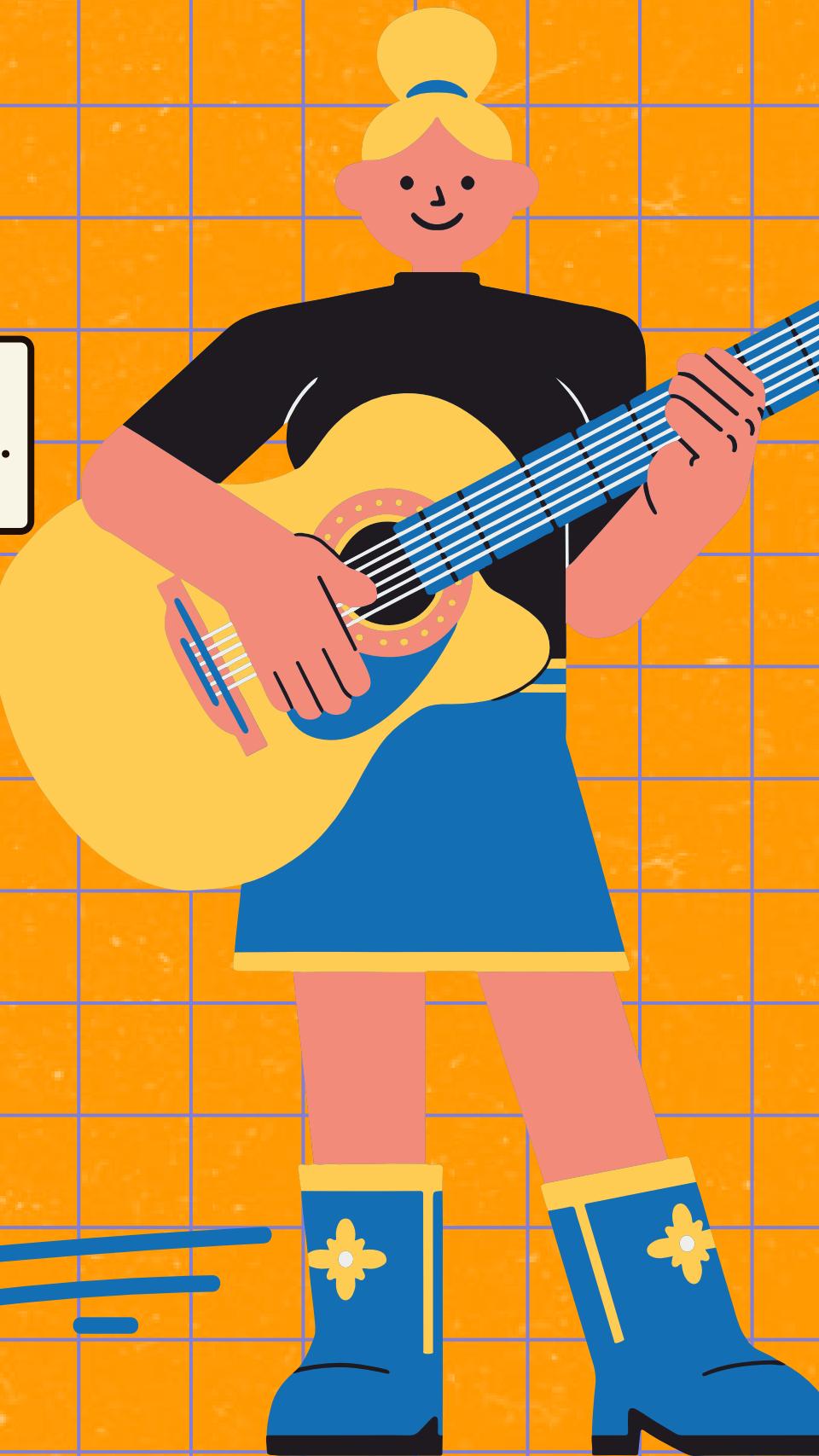
Step - 3

option (a)

The screenshot shows the Power BI desktop interface. The top ribbon has 'Home' selected. A dropdown menu is open under 'Data Type' with 'Whole Number' highlighted. The main area displays two tables: 'transformColumnTypes(#"Promot"' and 'edate'. The 'transformColumnTypes' table has a column 'time' with data like '2 hrs and 20 mins' and '13 hrs and 8 mins'. The 'edate' table has a column 'language' with dates from 2008 to 2021. A red box highlights the 'Text' option in the dropdown menu, and a red arrow points from it to the 'language' column in the 'edate' table.

Step - 3 : After clicking on Home menu -> Data type , dropdown appears. Now select Text and datatype of price changes to text .

Select text from drop-down.



Step - 3

option (b)

Step - 3 : Options (B) , After clicking on 123 dropdown appears . Select text from it . Now data type changed to text from numerical .

The screenshot shows a data visualization interface with a dropdown menu open over a table. The menu is titled 'price' and lists various data types: Decimal Number, Currency, Whole Number, Percentage, Date/Time, Date, Time, Date/Time/Timezone, Duration, Text (which is highlighted with a red border), True/False, Binary, and Using Locale... A red arrow points from the text in the top-left box to the 'Text' option in the dropdown menu.

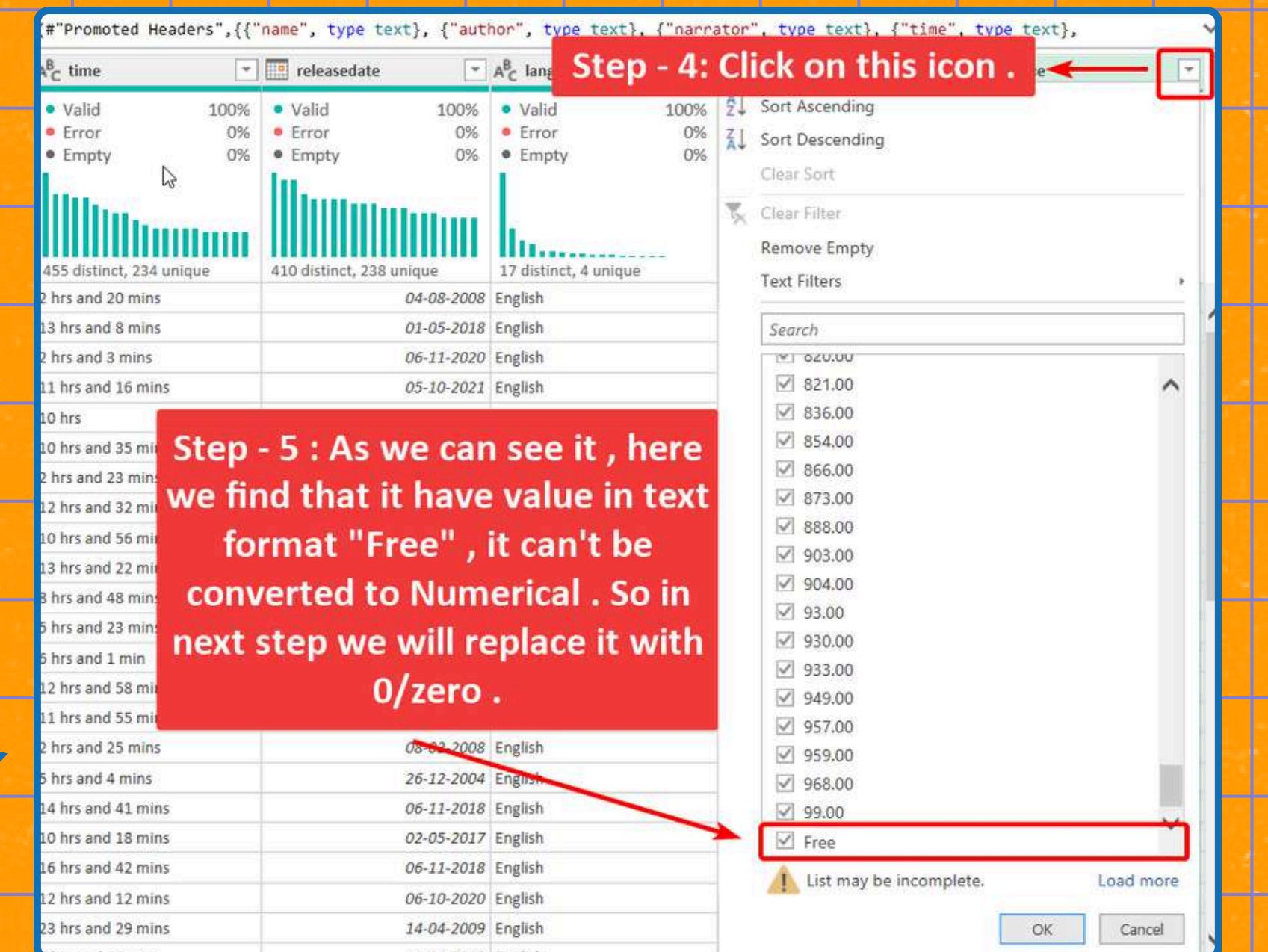
Column 1	Column 2	Column 3
10 distinct, 238 unique	17 distinct, 4 unique	64 distinct, 37 unique
04-08-2008	English	5 out of 5 stars34 ratings
01-05-2018	English	4.5 out of 5 stars41 ratings
06-11-2020	English	4.5 out of 5 stars38 ratings
05-10-2021	English	4.5 out of 5 stars12 ratings
13-01-2010	English	4.5 out of 5 stars181 ratings
30-10-2018	English	5 out of 5 stars72 ratings
25-11-2014	English	5 out of 5 stars11 ratings
02-05-2017	English	5 out of 5 stars50 ratings

Select text from drop-down.



Step - 4 3 5

Checking values

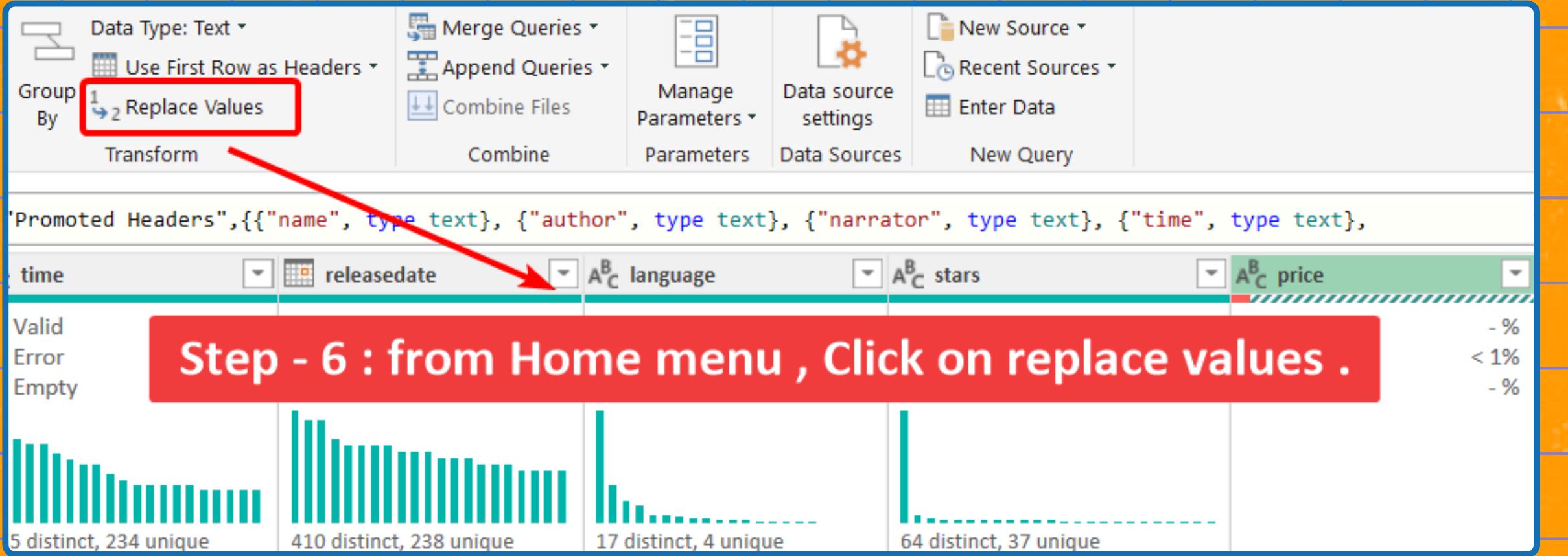


Here , we find that it
have text in some rows
as values .



Step - 6

Replace values

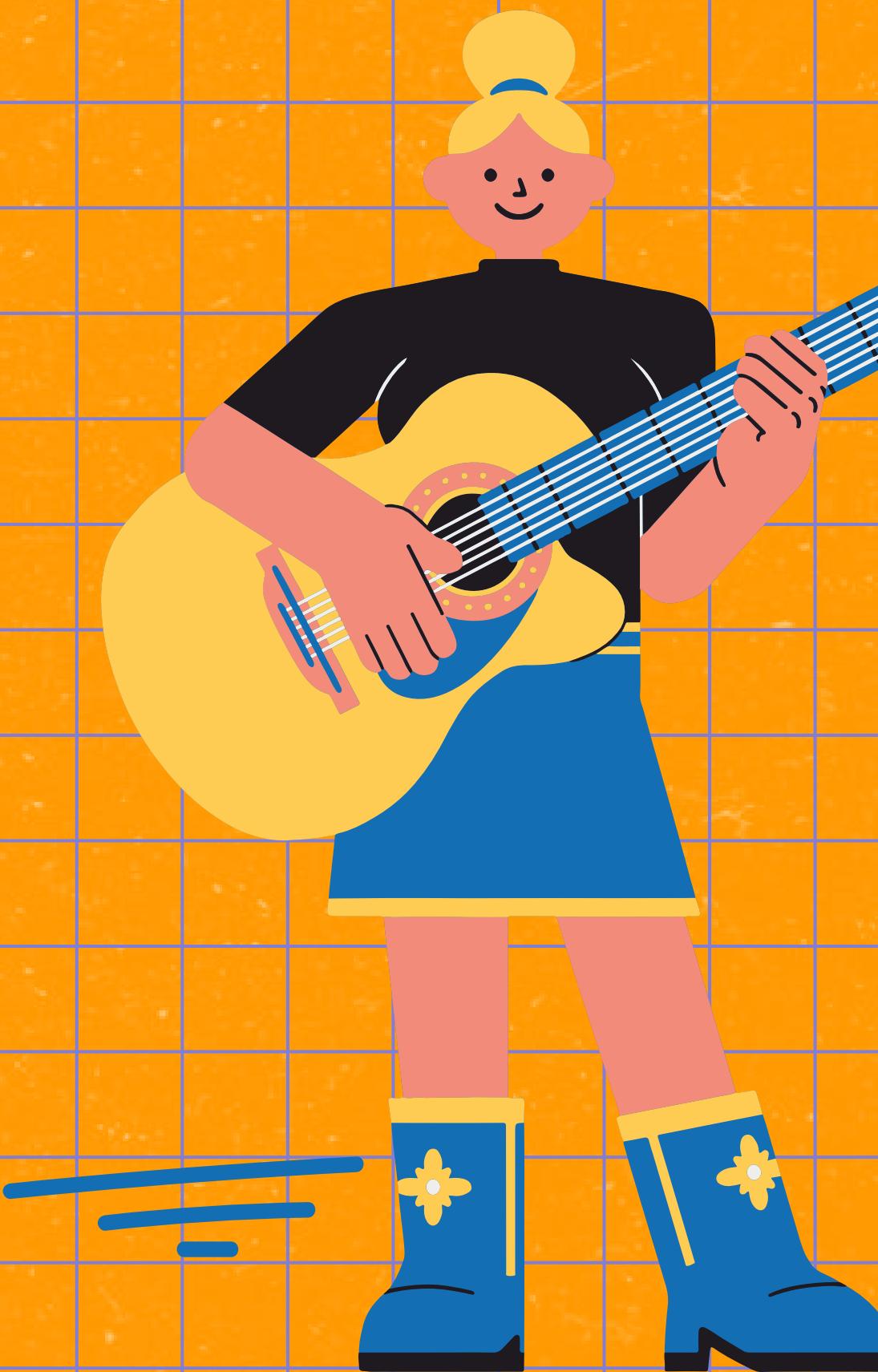


The screenshot shows the Power BI Home menu with the 'Replace Values' option highlighted by a red box and a red arrow pointing to it from the text below. The menu also includes options like 'Data Type: Text', 'Merge Queries', 'Append Queries', 'Manage Parameters', 'Data source settings', 'Recent Sources', 'Enter Data', and 'New Query'. Below the menu, there's a preview of a dataset with columns: time, releasedate, language, stars, and price. A red box contains the instruction: 'Step - 6 : from Home menu , Click on replace values .'

Step - 6 : from Home menu , Click on replace values .

Column	Type	Distinct	Unique
time	Text	5	234
releasedate	Date	410	238
language	Text	17	4
stars	Text	64	37
price	Text	-	-

Click on replace values to
replace values from column.



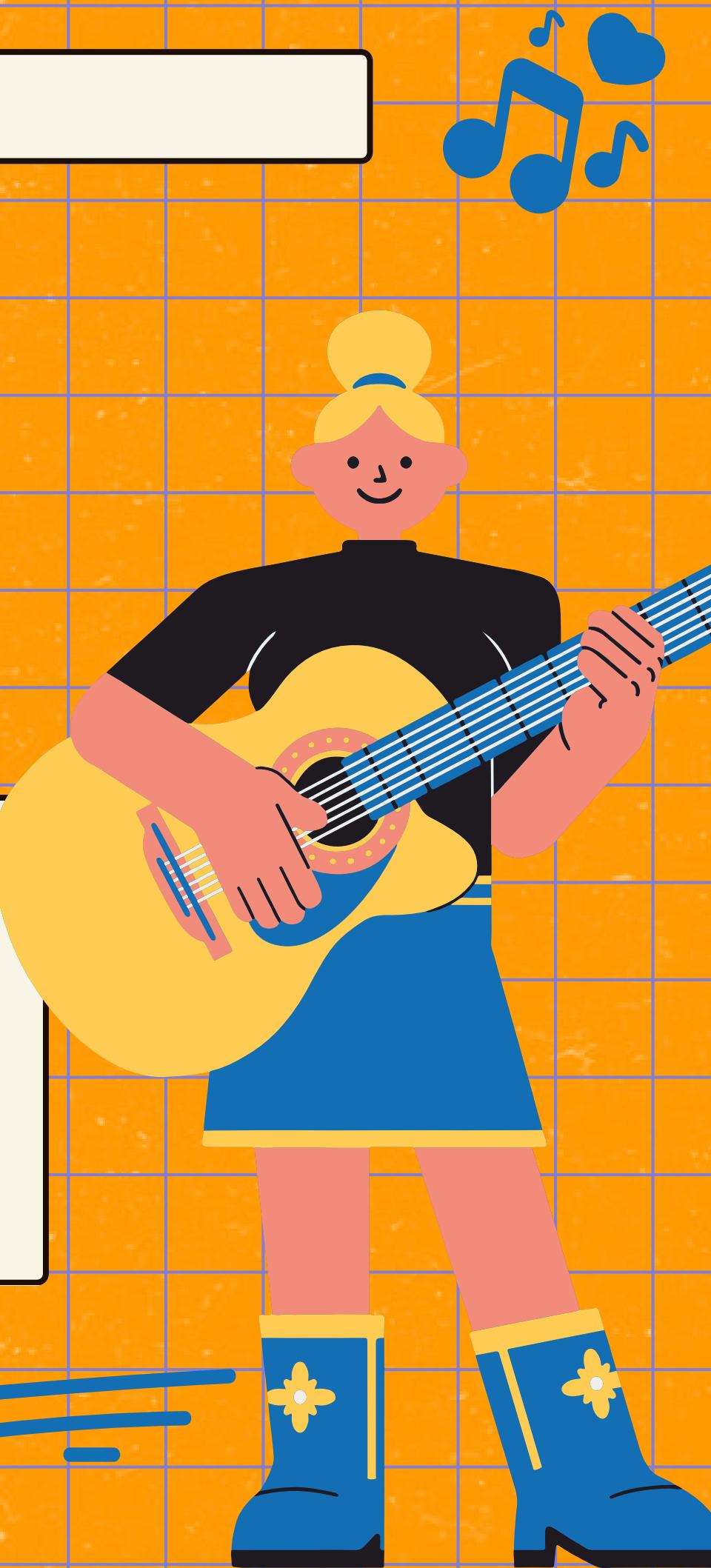
Step - 7

Replace values

The screenshot shows a data processing interface with a toolbar at the top containing 'Data Type: Text', 'Use First Row as Headers', 'Replace Values', and other options like 'Split Column By'. Below the toolbar is a table with columns 'name', 'type', 'time', and 'releasedate'. A red arrow points from the 'Replace Values' button in the toolbar to the 'Replace Values' dialog box. The dialog box has a red border and contains fields for 'Value To Find' (set to 'Free') and 'Replace With' (set to '0'). Buttons for 'OK' and 'Cancel' are at the bottom.

Step - 7 : After clicking New Dialogue box appears . Now Enter "Free" in value to find field and 0/zero in Replace with .then click OK.It will replace text "Free" with numerical 0/zero .

After click on replace values new dialogue box appears.
Now replace "Free" with 0/Zero .



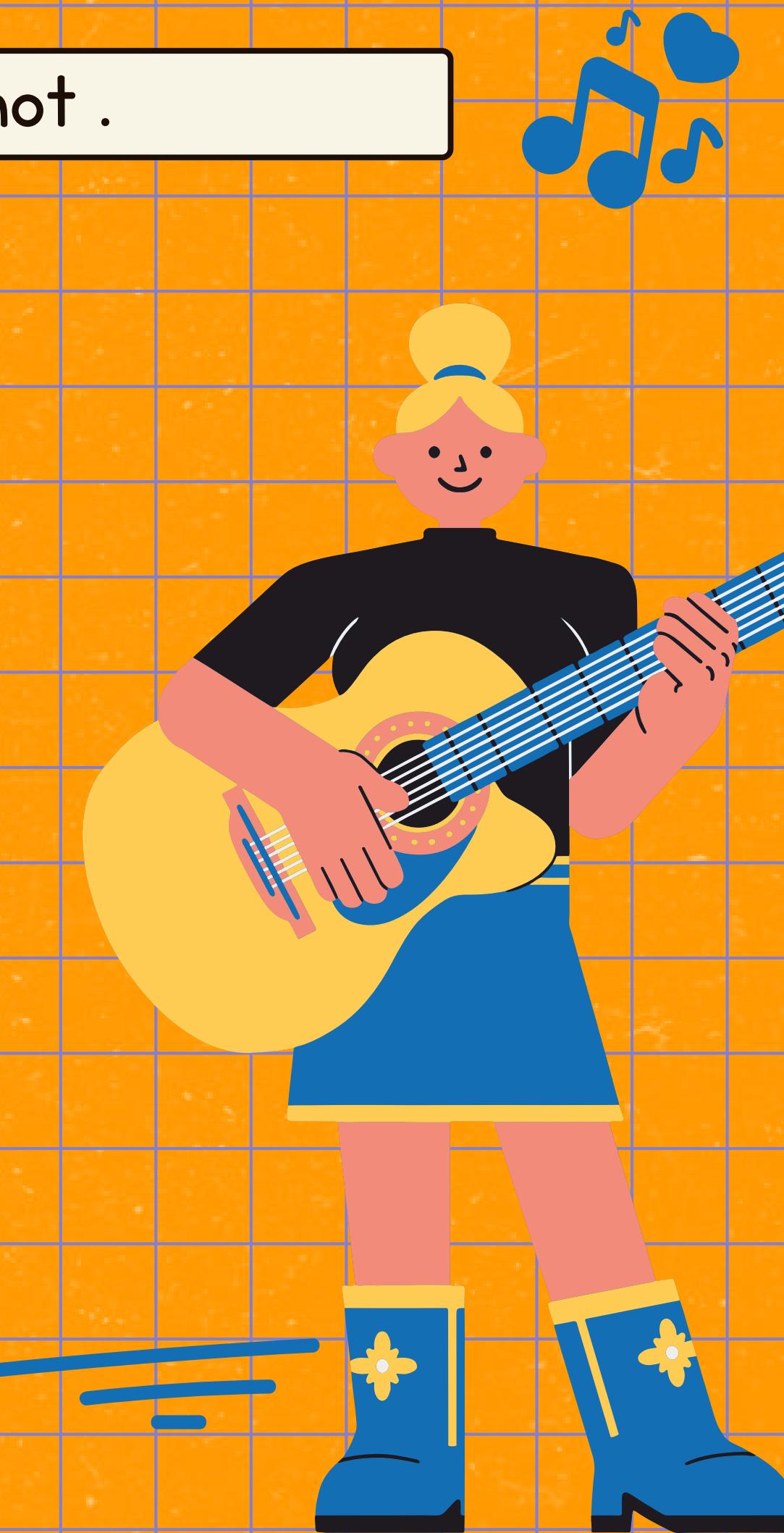
Step - 8

Check values replaced or not .

Step - 8 : Click on this click . Now check the "Free" has been replace with 0/zero .

time	releasedate	language	stars	price
100% 0% 0%	100% 0% 0%	100% 0% 0%	100% 0% 0%	100% 0% 0%
• Valid • Error • Empty				
10 hrs	13-01-2010	English	Sort Ascending	
10 hrs and 35 mins	30-10-2018	English	Sort Descending	
2 hrs and 23 mins	25-11-2014	English	Clear Sort	

Here , we checked that the value "Free" is replace with 0/zero or not .



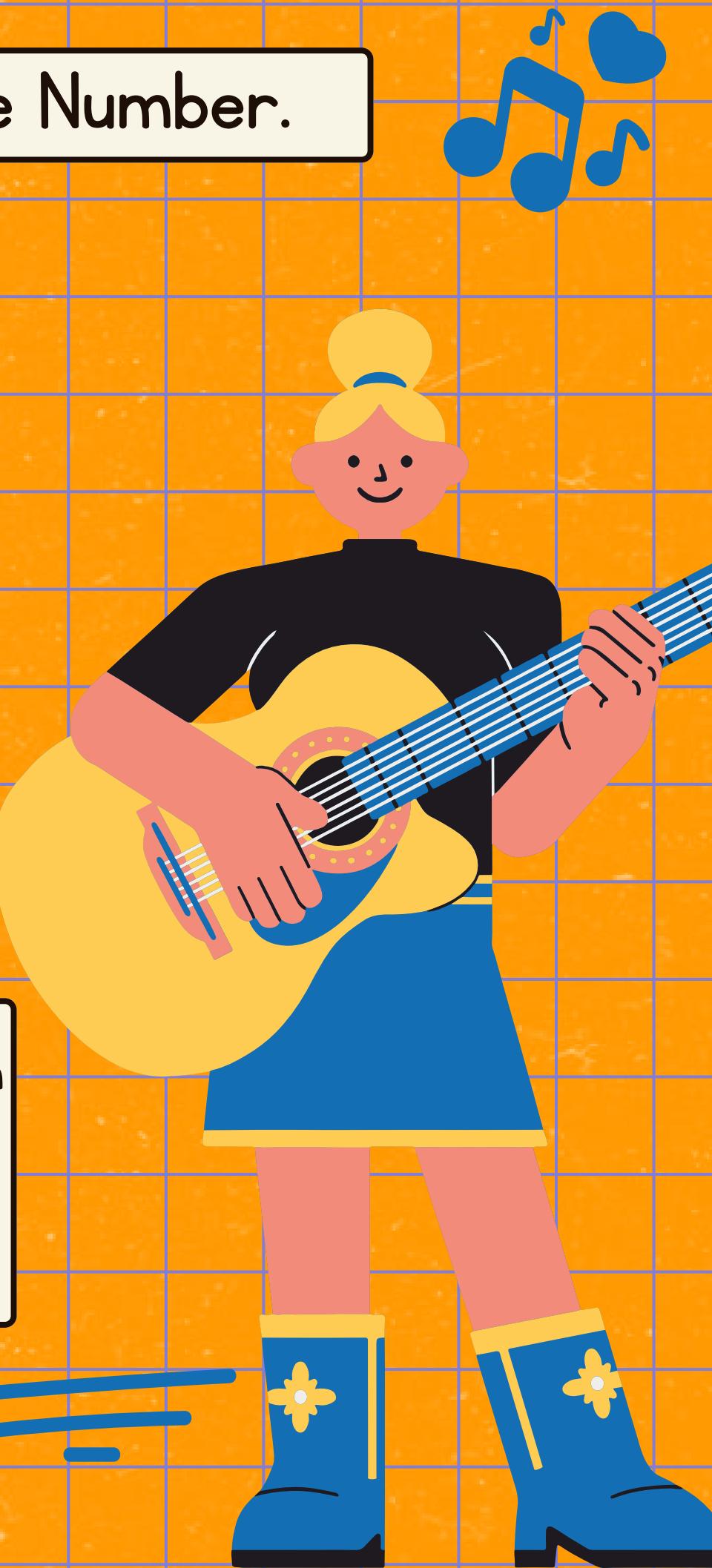
Step - 9

Change data type from Text to Whole Number.

A screenshot of a data analysis interface, likely Tableau, showing a data source with columns: time, releasedate, language, stars, and price. The 'price' column is currently set to 'Text'. A red box highlights the 'ABC' button next to the 'price' column header, and a red arrow points from this box to a dropdown menu that has appeared. The dropdown menu lists various data types: Decimal Number, Currency, Whole Number, Percentage, Date/Time, Date, Time, Date/Time/Timezone, Duration, Text, True/False, Binary, and Using Locale... The 'Whole Number' option is highlighted with a red box. The background shows summary statistics for each column, such as '455 distinct, 234 unique' for 'time' and '100% Valid' for 'language'.

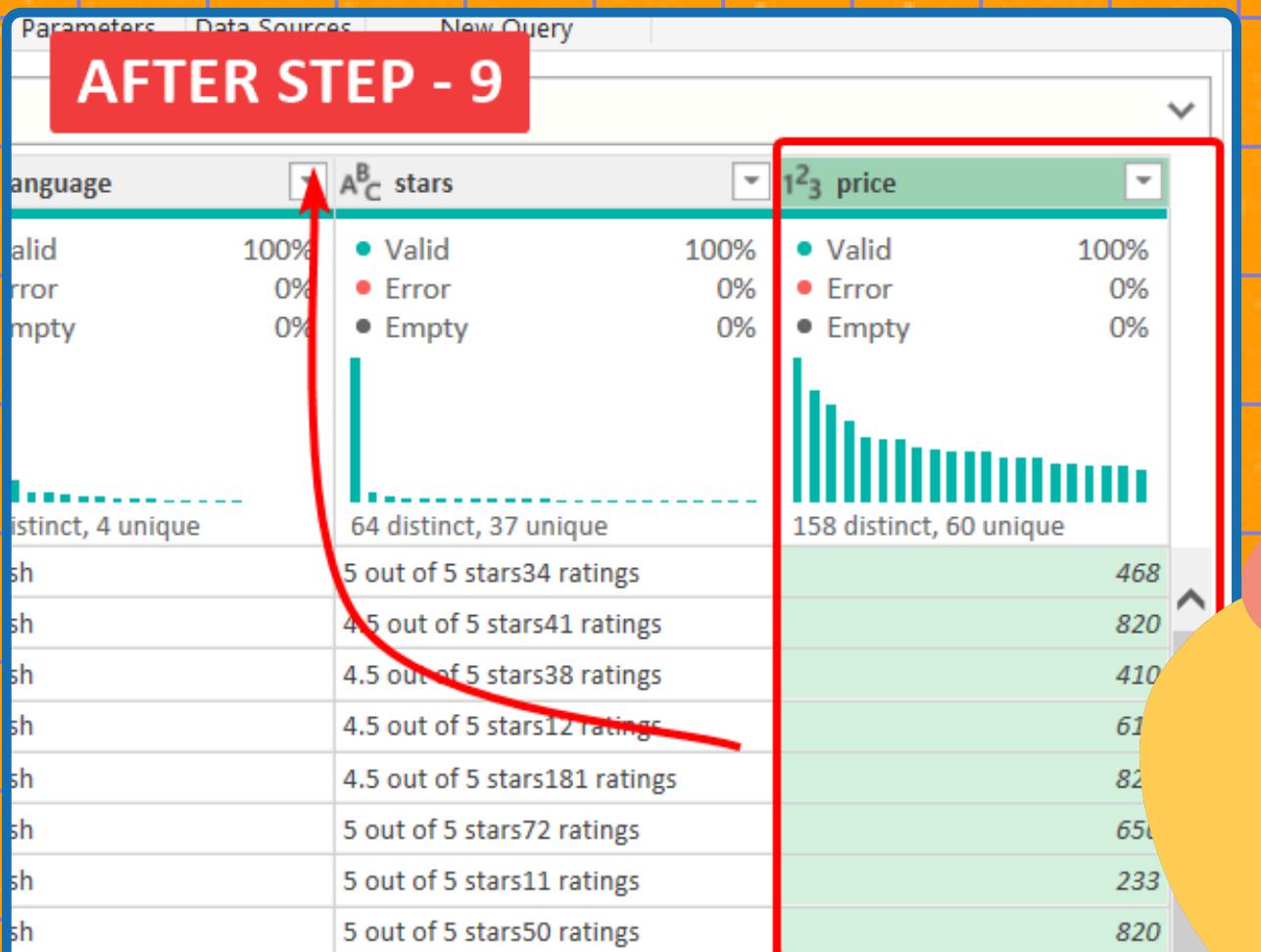
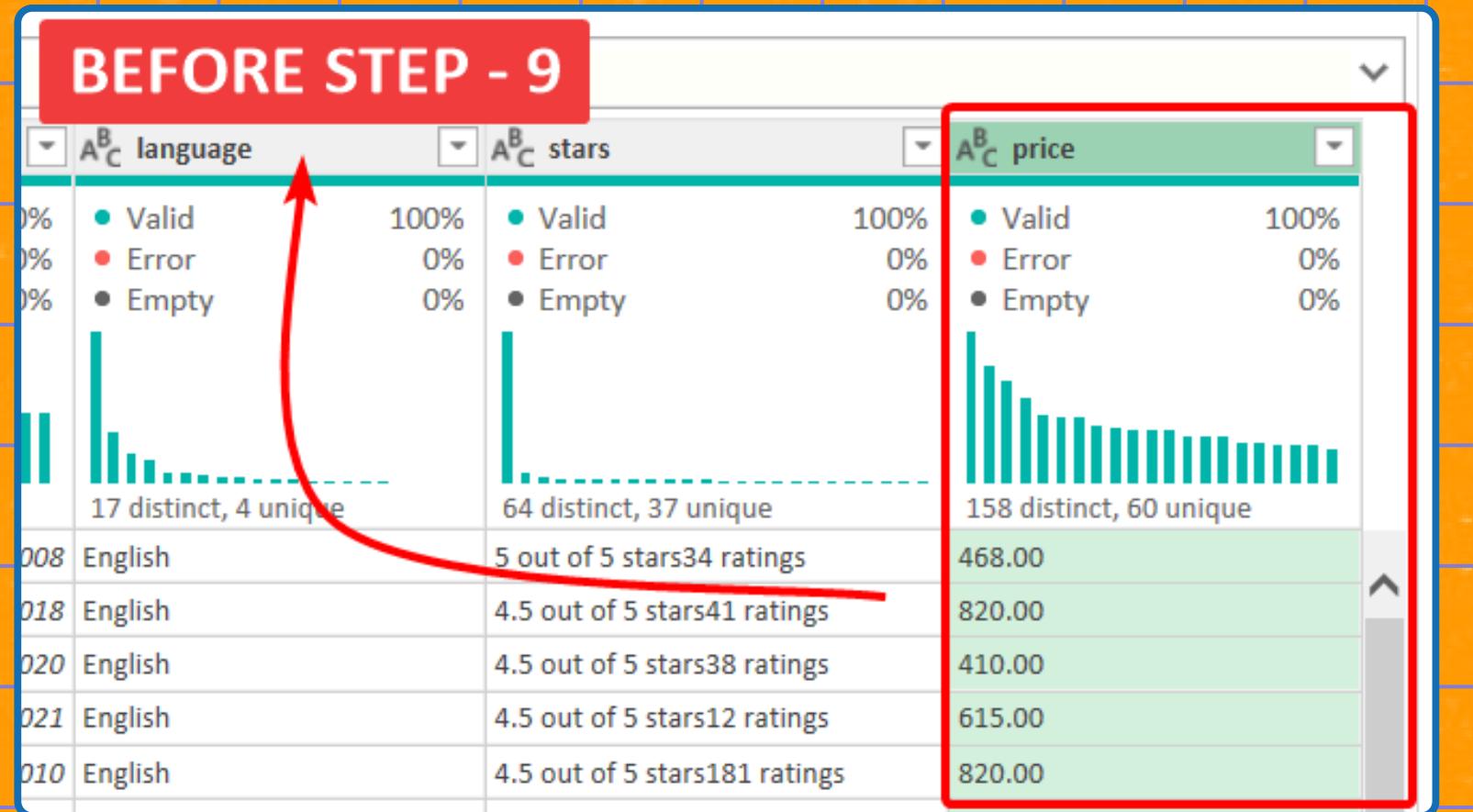
Step - 9 : Click on ABC , then dropdown appears . Now from it Select "Whole Number" and its data type will change from text to whole number .

Select "Whole Number" from drop-down to change data type of the column.

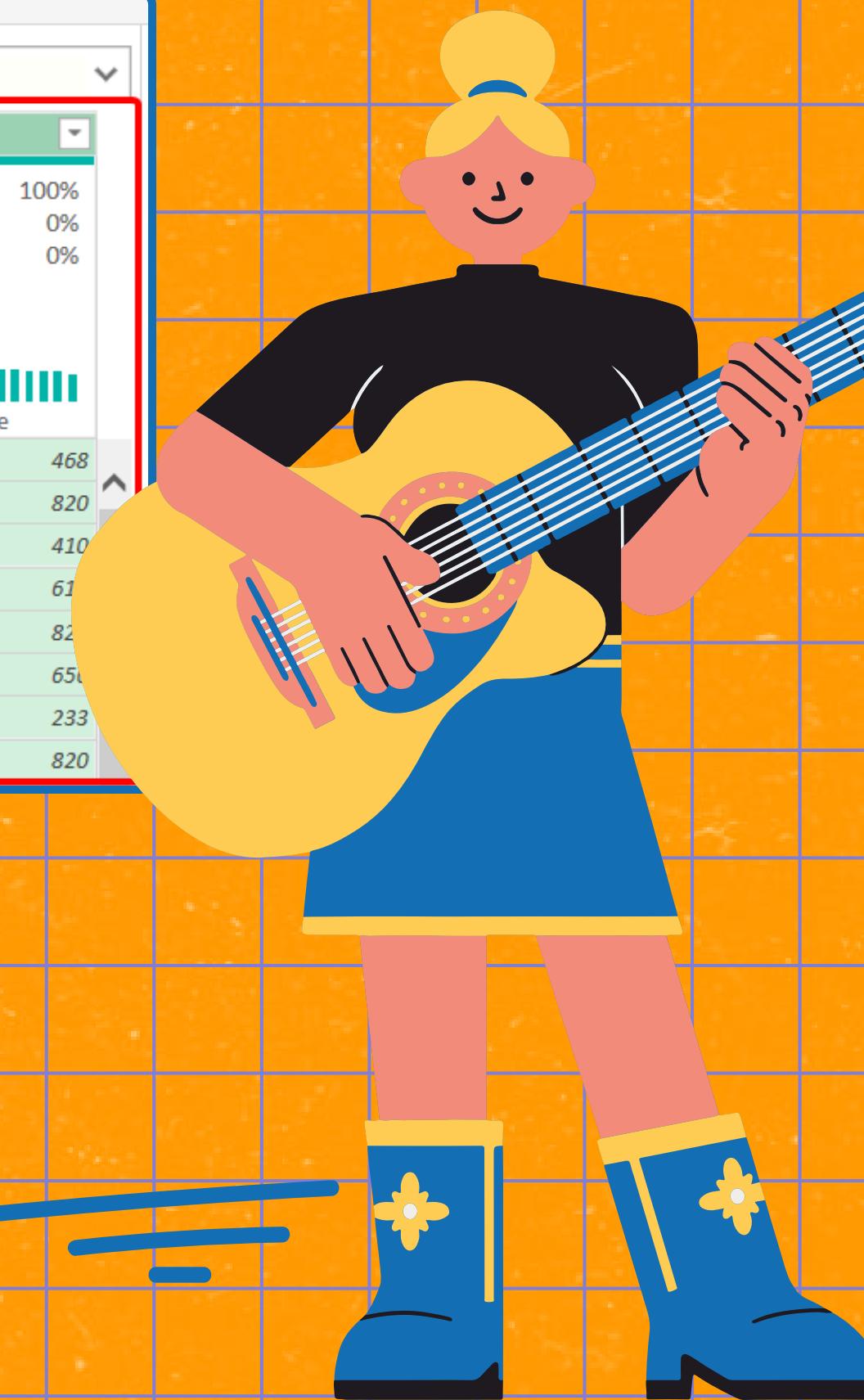


Result

Result



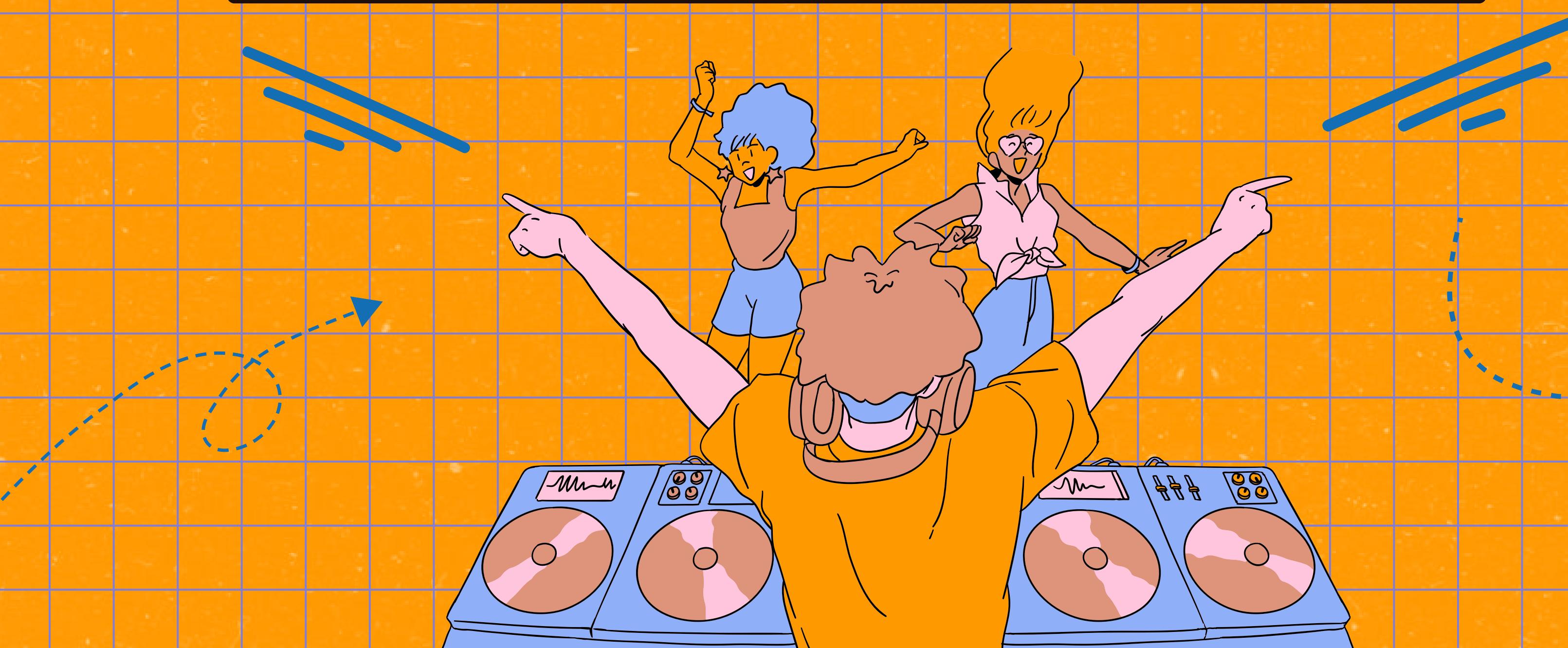
Here we can see the difference , when it was in Text Format
then it was in Left Side , but after changing its data type it
Shifted to Right Side .



Question - 6

6.

Convert text ratings in the stars column to numeric values.



Step - 1

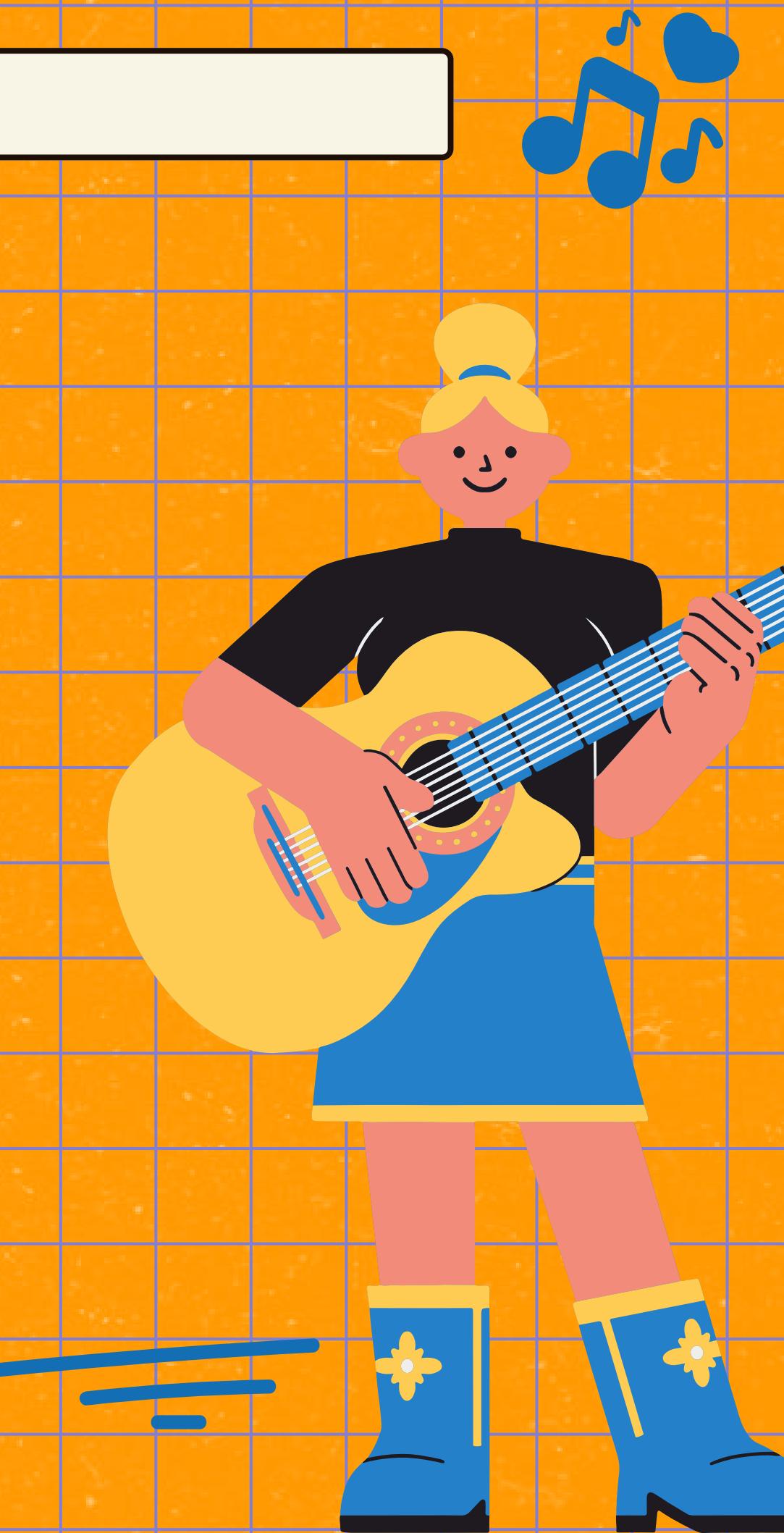
Select stars column

The screenshot shows a data analysis interface with a toolbar at the top and a grid of data below. The 'stars' column is highlighted with a red box. A context menu is open over this column, with the 'Split Column' option selected and a submenu open. The submenu has 'By Delimiter' selected, also highlighted with a red box. A red arrow points from the text box below to this 'By Delimiter' option.

Step - 1 : Select "stars" column .Click on Split column using "By Delimiter" .

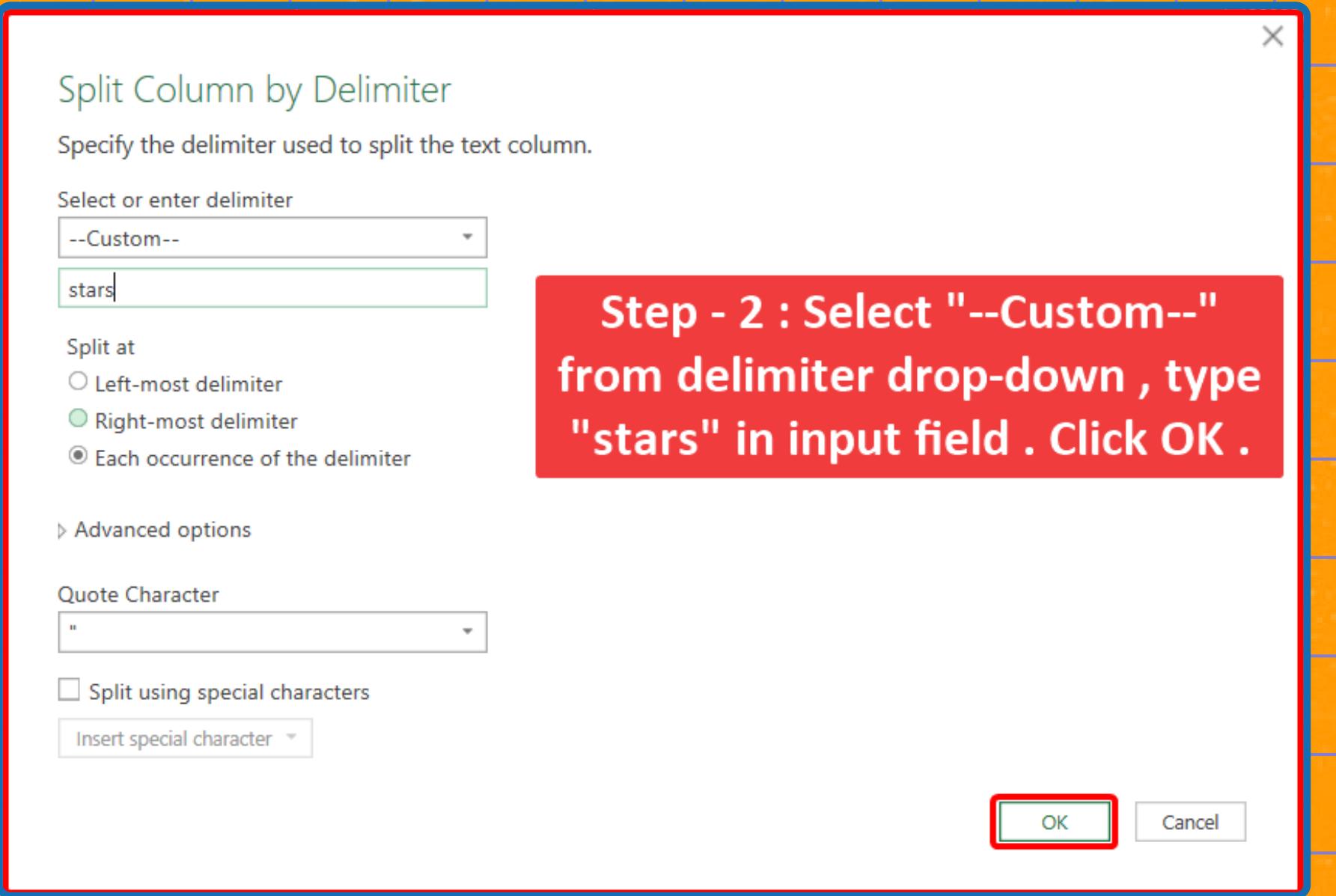
durationTime	language	stars
3% Valid	A	63 distinct, 33 unique
0% Error	B	5 out of 5 stars34 ratings
97% Empty	C	4.5 out of 5 stars41 ratings
null	English	4.5 out of 5 stars38 ratings
0.02:20:00	04-08-2008	4.5 out of 5 stars12 ratings
0.13:08:00	01-05-2018	4.5 out of 5 stars181 ratings
		5 out of 5 stars72 ratings
		5 out of 5 stars11 ratings
		5 out of 5 stars50 ratings

Select column and click on split colum usign by delimiter.



Step - 2

Splitting column



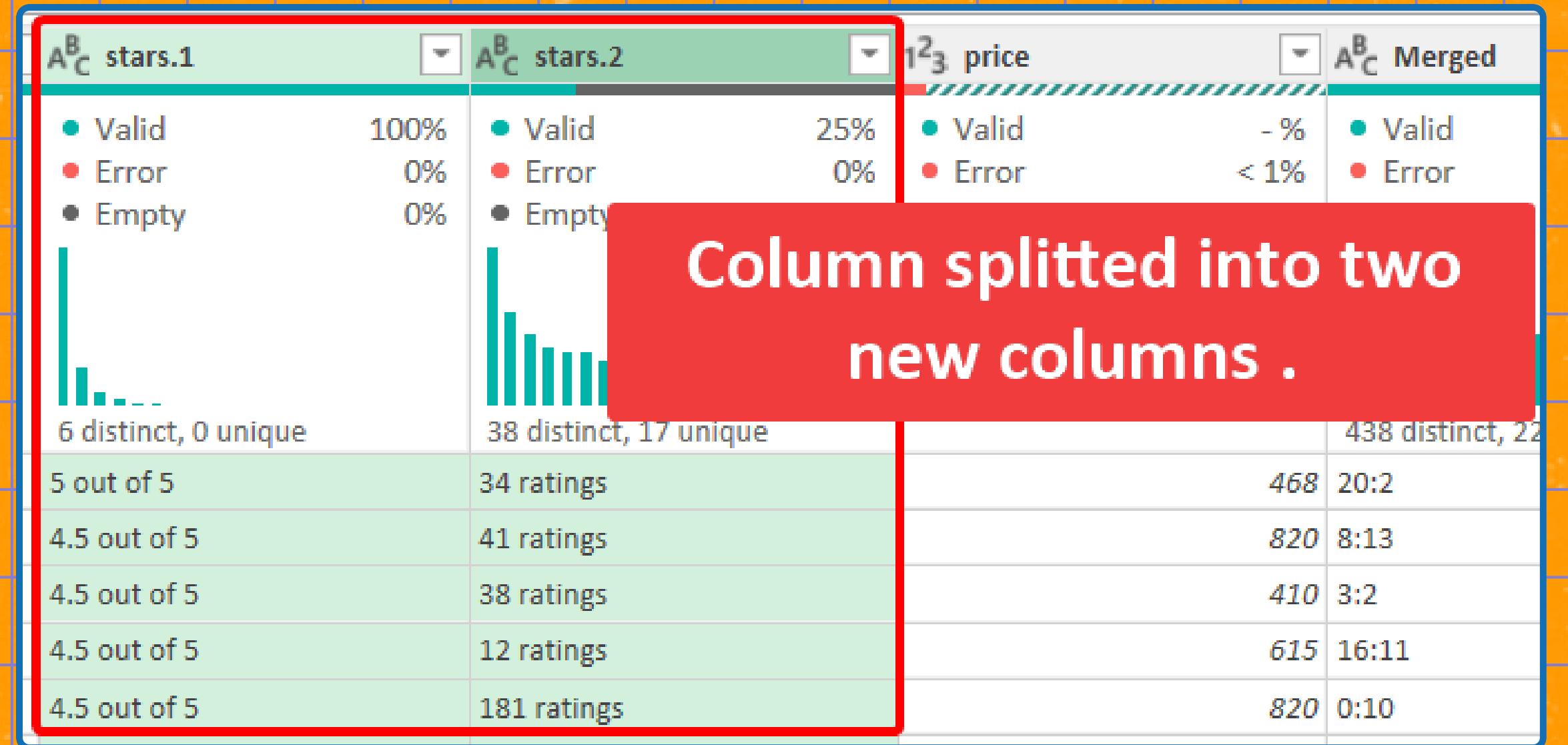
Step - 2 : Select "--Custom--" from delimiter drop-down , type "stars" in input field . Click OK .

Select delimiter "stars" by delimiter.



Step - 2

Rating column formed



Column splitted into two
new columns .

New columns formed.



Step - 3

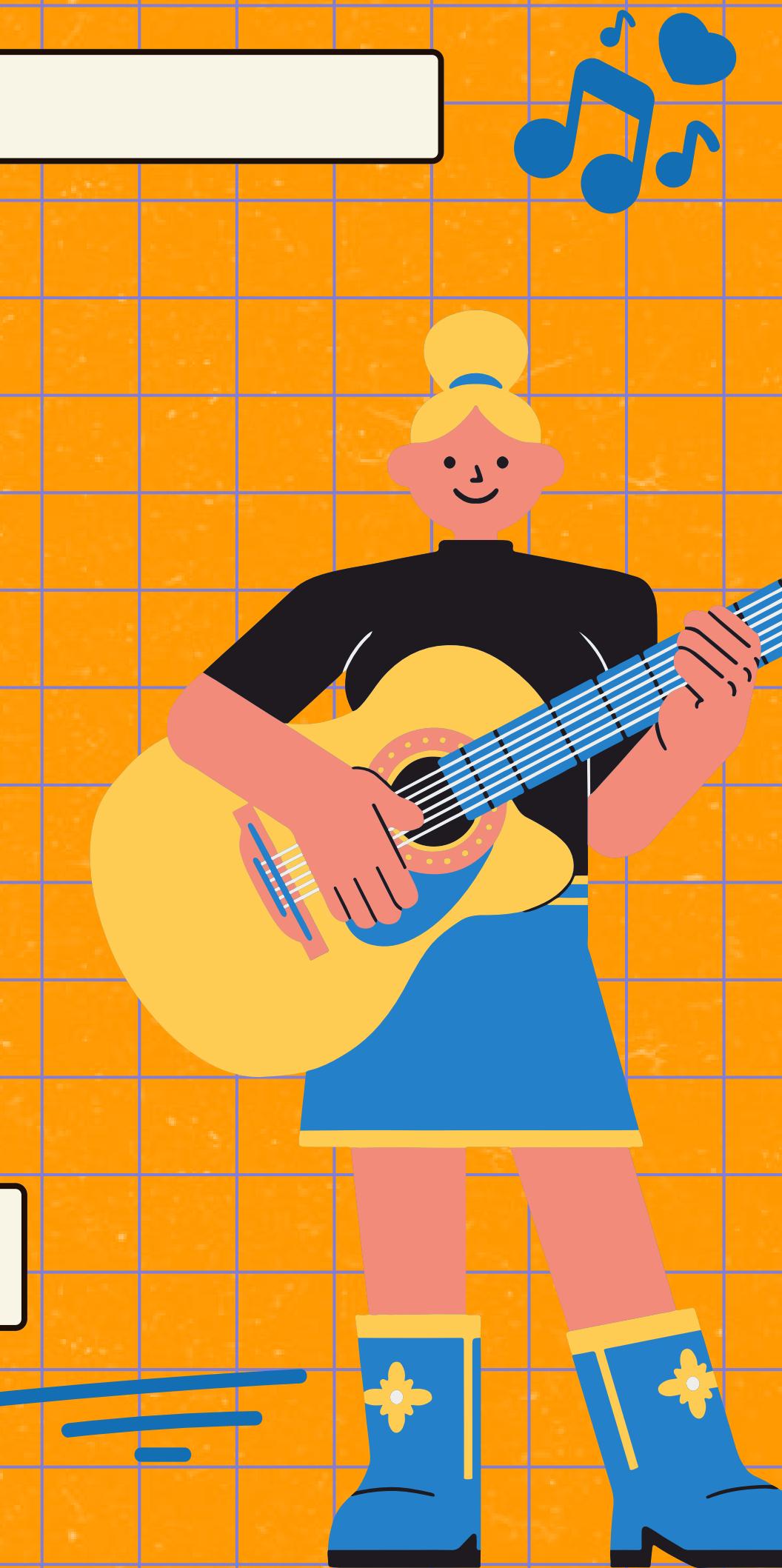
Split column once again

Step - 3 : Select column ,
from transform click on
Split Column from drop-
down , select "BY delimiter"

stars.1	stars.2
Valid	25%
Error	0%
Empty	75%

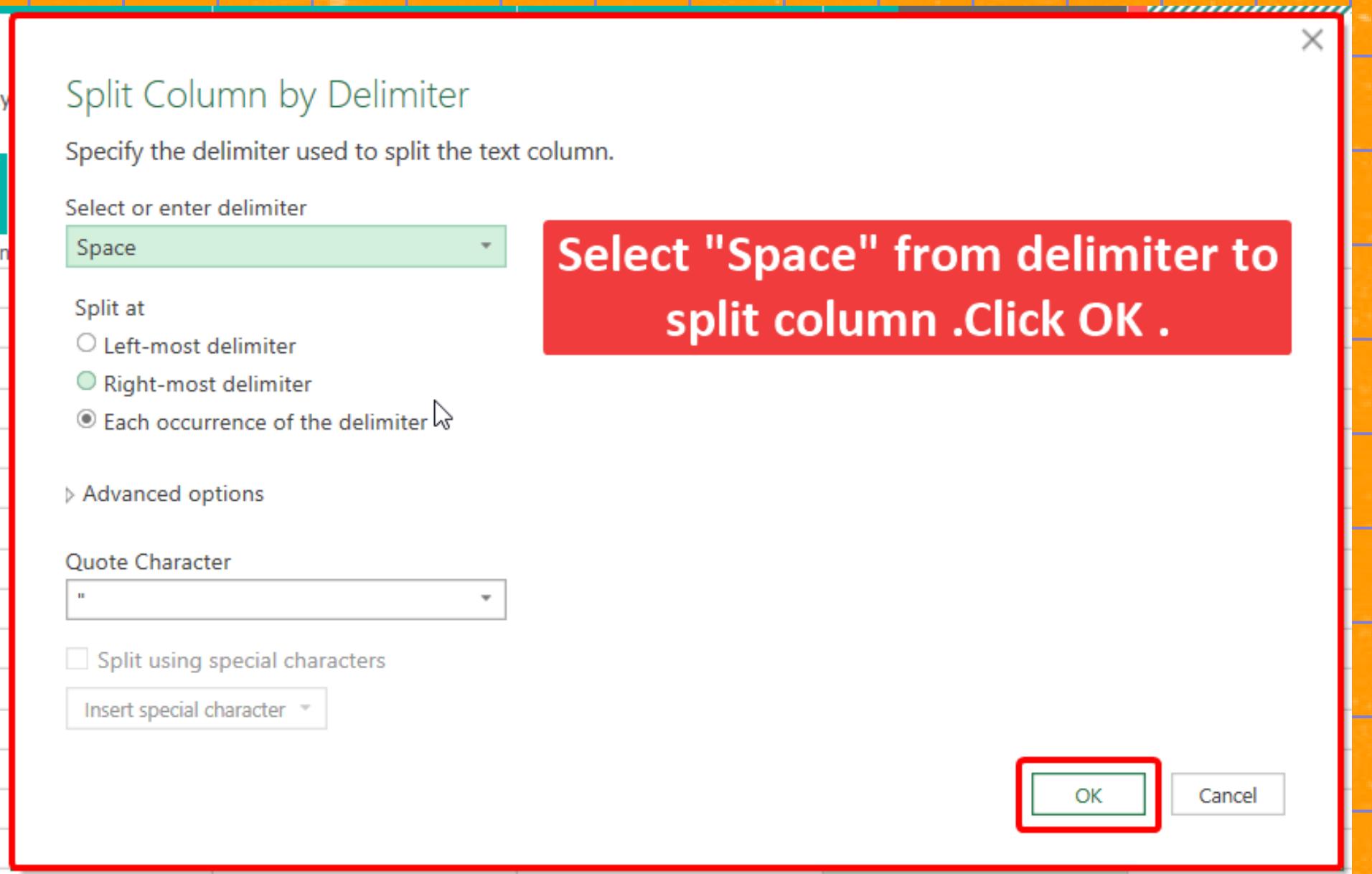
38 distinct, 17 unique
34 ratings
41 ratings
38 ratings
12 ratings
181 ratings
72 ratings
11 ratings
50 ratings

Split columns once again.



Step - 3

Split column “Space” delimiter



Split columns on “Space” using
Delimiter .

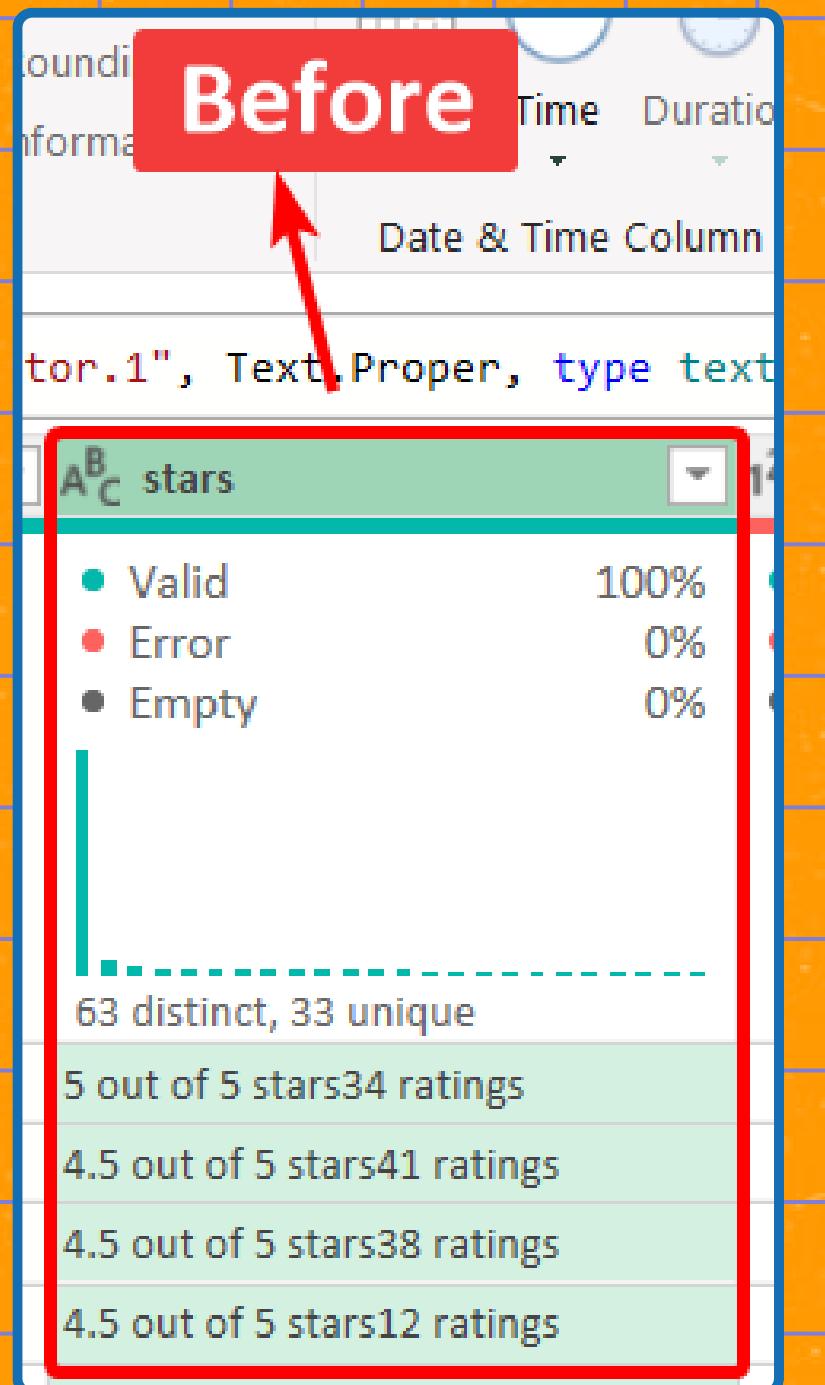


Result

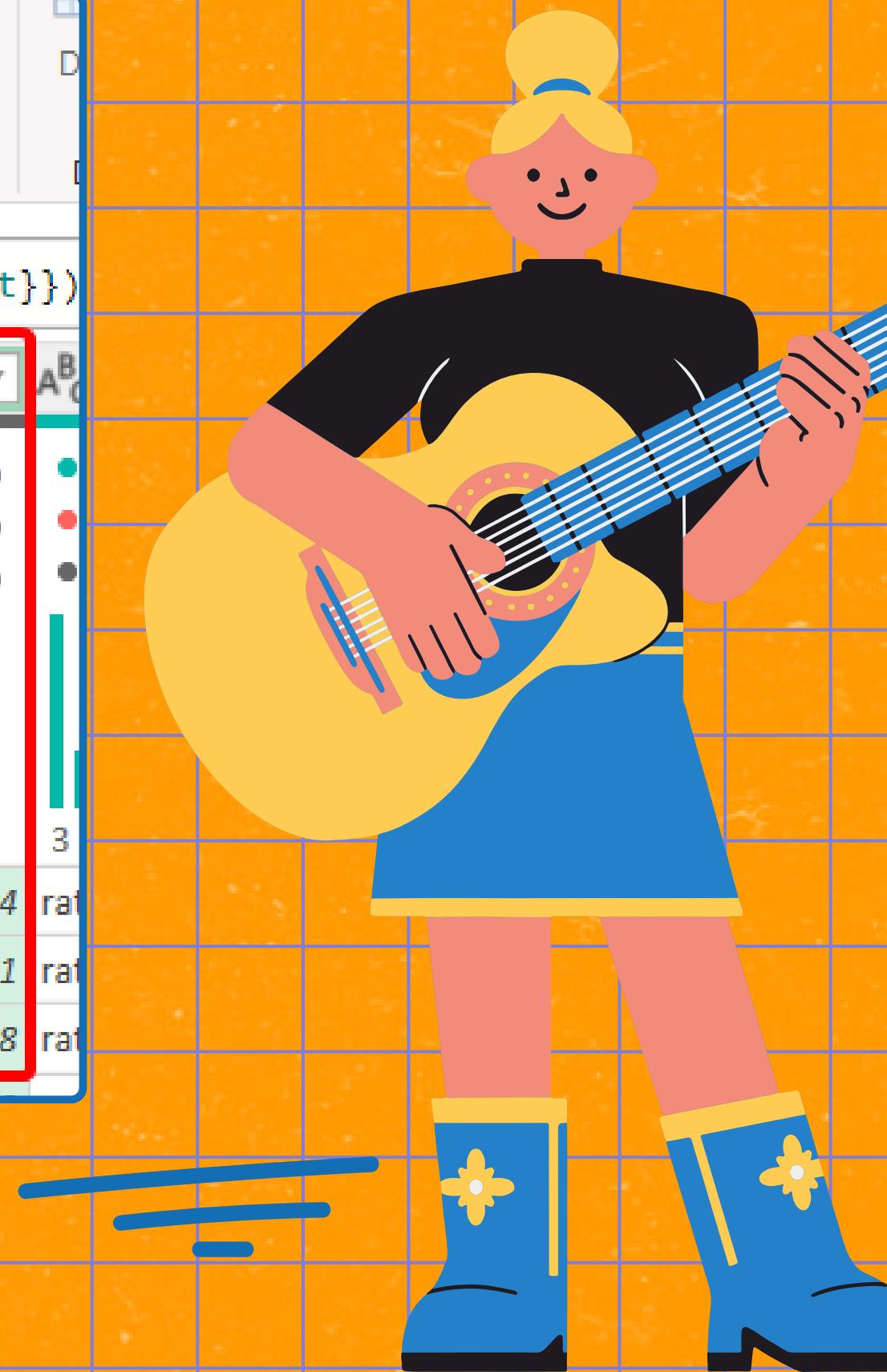
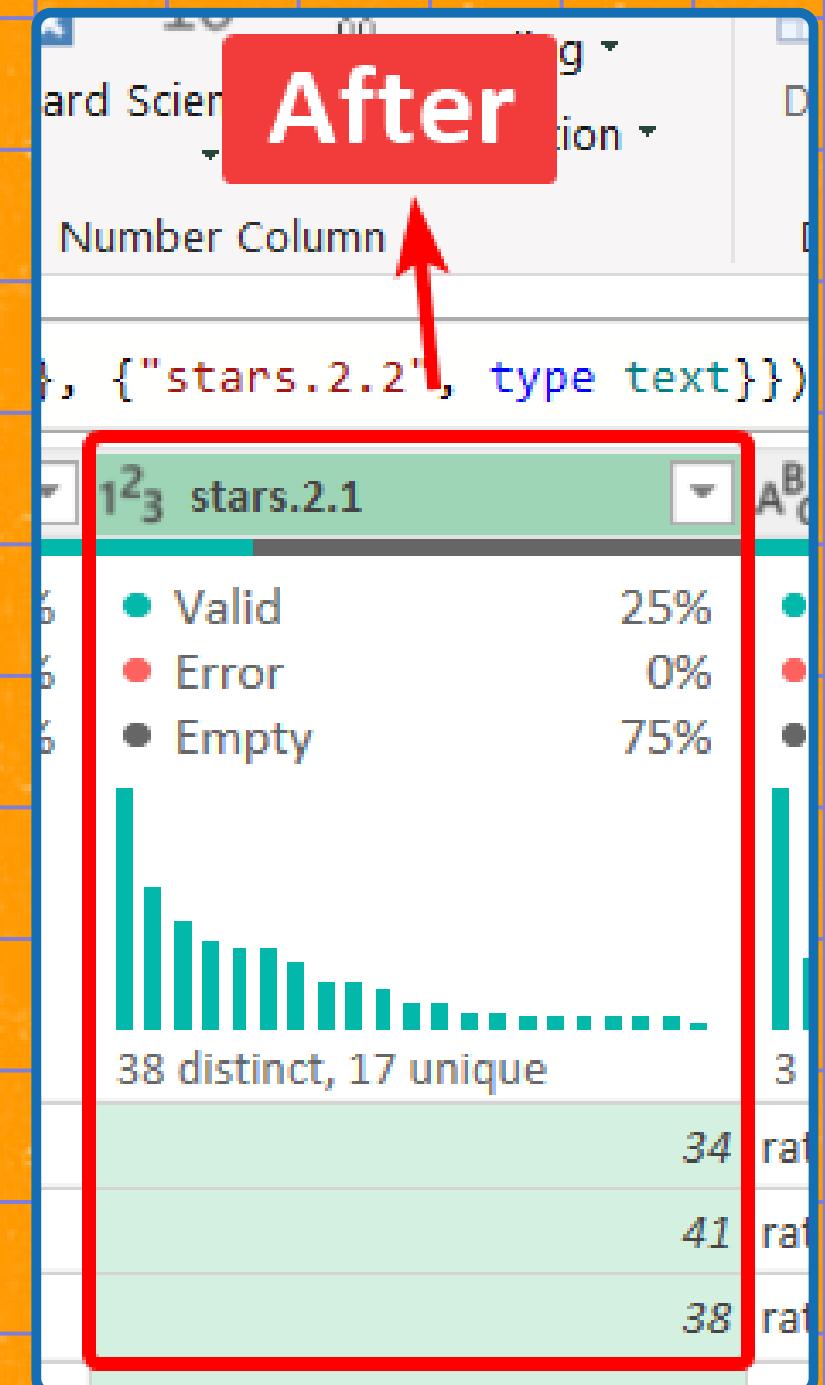
Result



Before



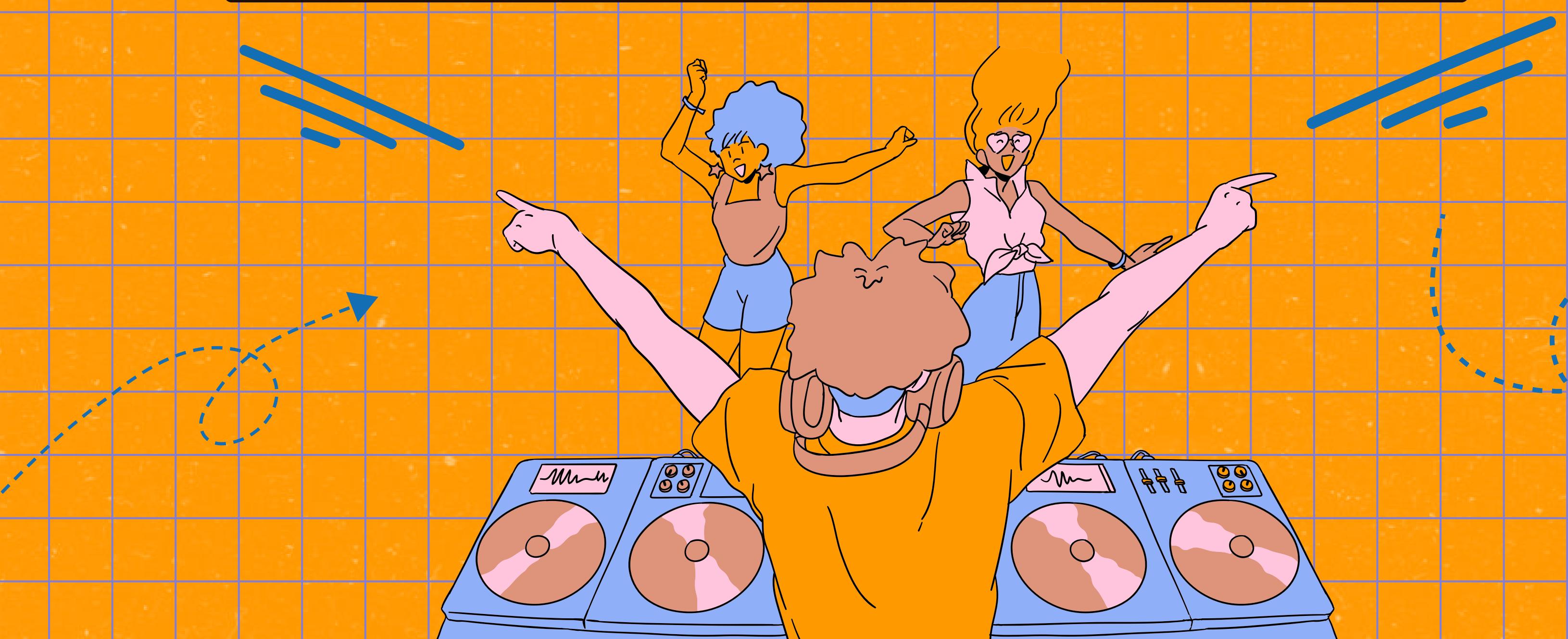
After



Question - 7



Split the narratedby column into multiple columns if
multiple narrators are listed.



Step - 1

Select narrator column & replace values



audible_uncleaned - Power Query Editor

File Home Transform Add Column View

Data Type: Text **Replace Values** Unpivot Columns

Transpose Reverse Rows Detect Data Type Fill Move

Group Use First Row By as Headers Count Rows Rename Pivot Column Convert to List

Any Column Text Column Number Column Date

Split Column Format abc Parse

Statistics Standard Scientific Information

Date

Queries [1]

audible_uncleaned

= Table.RemoveRowsWithErrors(#"Changed Type2", {"durationTime"})

	A ^B name	A ^B author	A ^B narrator
1	Geronimo Stilton #11 & #12	Writtenby:GeronimoStilton	Valid
2	The Burning Maze	Writtenby:RickRiordan	Valid
3	The Deep End	Writtenby:JeffKinney	Valid
4	Daughter of the Deep	Writtenby:RickRiordan	Valid

Step - 1: Select "narrator" column and replace value "Narratorby:" with "".

100% 100% 100%

0% 0% 0%

Distinct, 410 unique 535 distinct, 375 unique

Writtenby:GeronimoStilton Narratedby:BillLobely

Writtenby:RickRiordan Narratedby:RobbieDaymond

Writtenby:JeffKinney Narratedby:DanRussell

Writtenby:RickRiordan Narratedby:SoneelaNankani

Select column and replace
"Narratorby:" with "".



Step - 1

Select narrator column & replace values



Replace Values

Replace one value with another in the selected columns.

Value To Find

Narratedby:

Replace With

Advanced options

OK Cancel

Replacec values “Narratedby:”
with “”.



Step - 2

Split columns by Delimiter



The screenshot shows a data processing interface with a toolbar at the top. The 'Split Column' button is highlighted with a red box. A dropdown menu is open, showing several options: 'By Delimiter' (which is also highlighted with a red box and has a red arrow pointing to it from a callout box), 'By Number of Characters', 'By Positions', 'By Lowercase to Uppercase', 'By Uppercase to Lowercase', 'By Digit to Non-Digit', and 'By Non-Digit to Digit'. The background shows a code editor with some JSON-like syntax and a status bar indicating 'Number Column'.

Step - 2 : Select "narrator" column
and split it usign "By Delimiter"
from drop-down .

Split column using By delimiter



Step - 2

Split columns by Delimiter



Split Column by Delimiter

Specify the delimiter used to split the text column.

Select or enter delimiter

Comma

Split at

Left-most delimiter

Right-most delimiter

Each occurrence of the delimiter

Advanced options

Quote Character

"

Split using special characters

Insert special character

OK Cancel

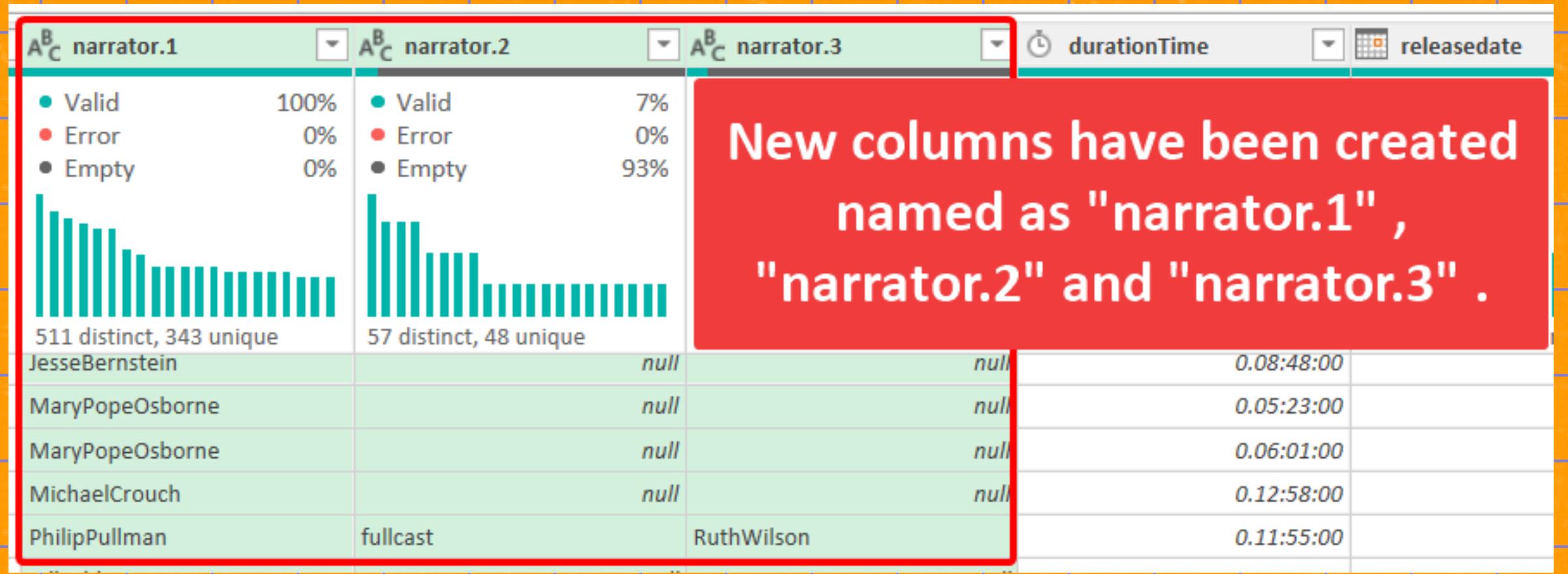
Select "Comma" as separator from drop-down . Click on OK .

Split column using "Comma" By delimiter .

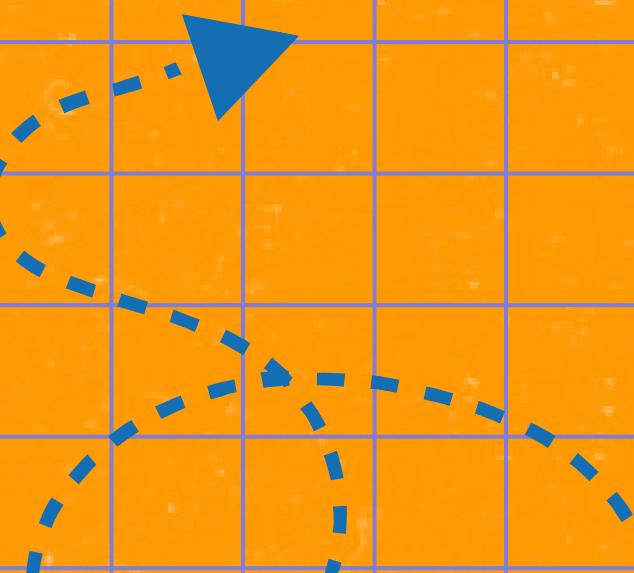


Step - 2

New columns

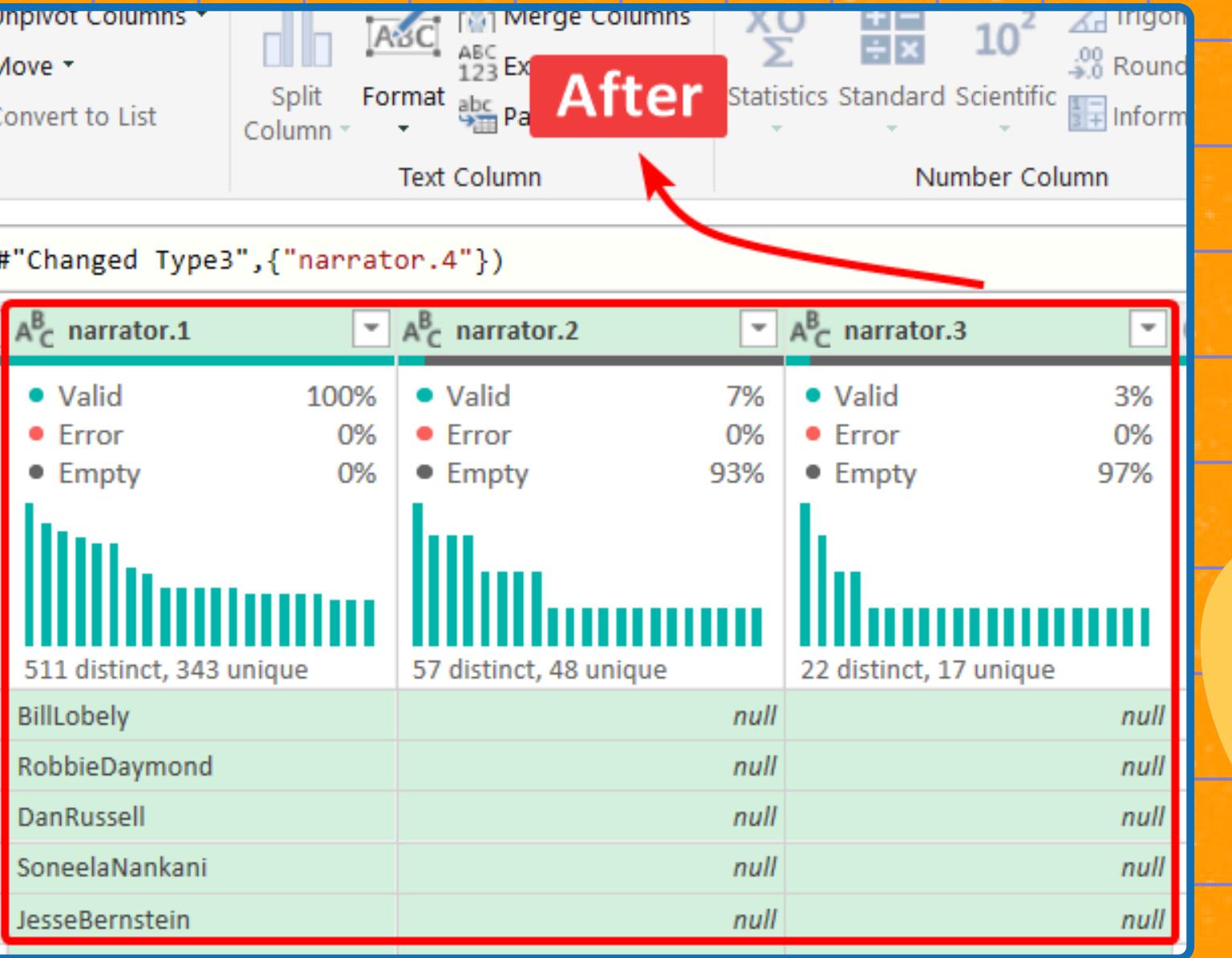
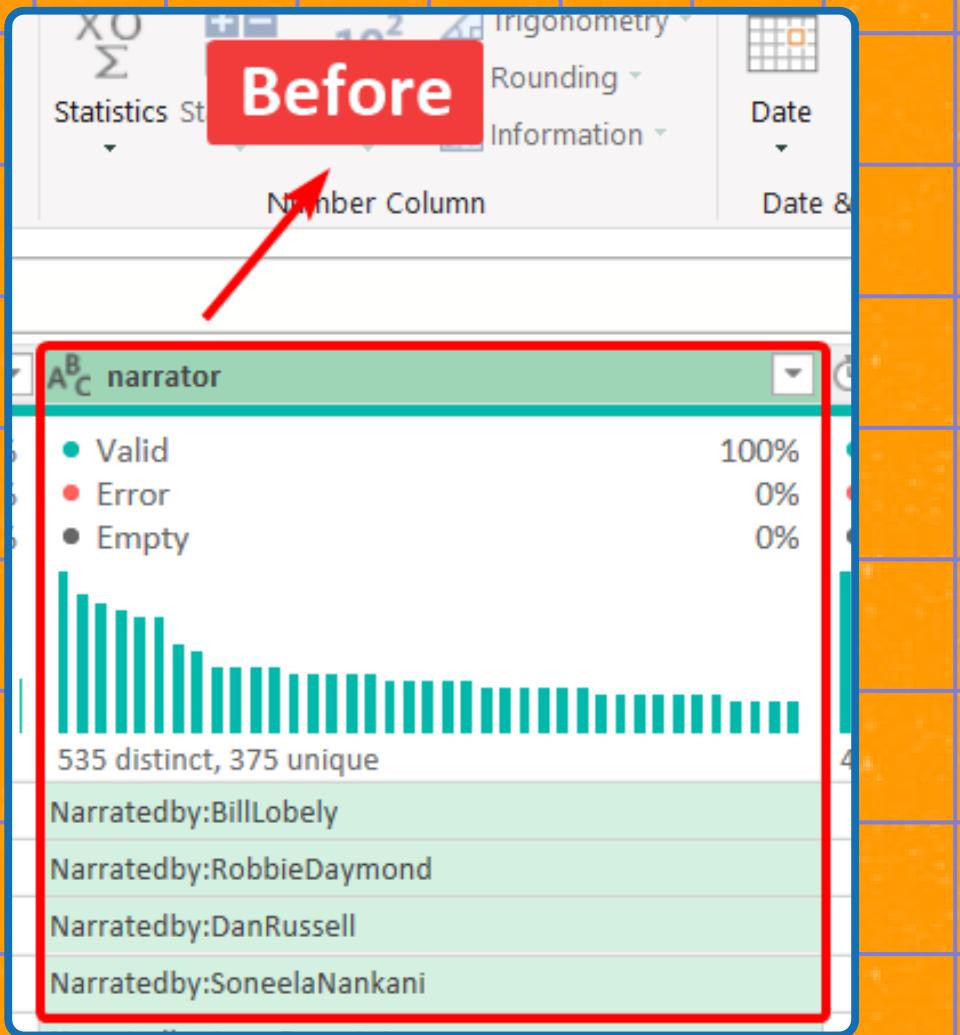


New columns created.

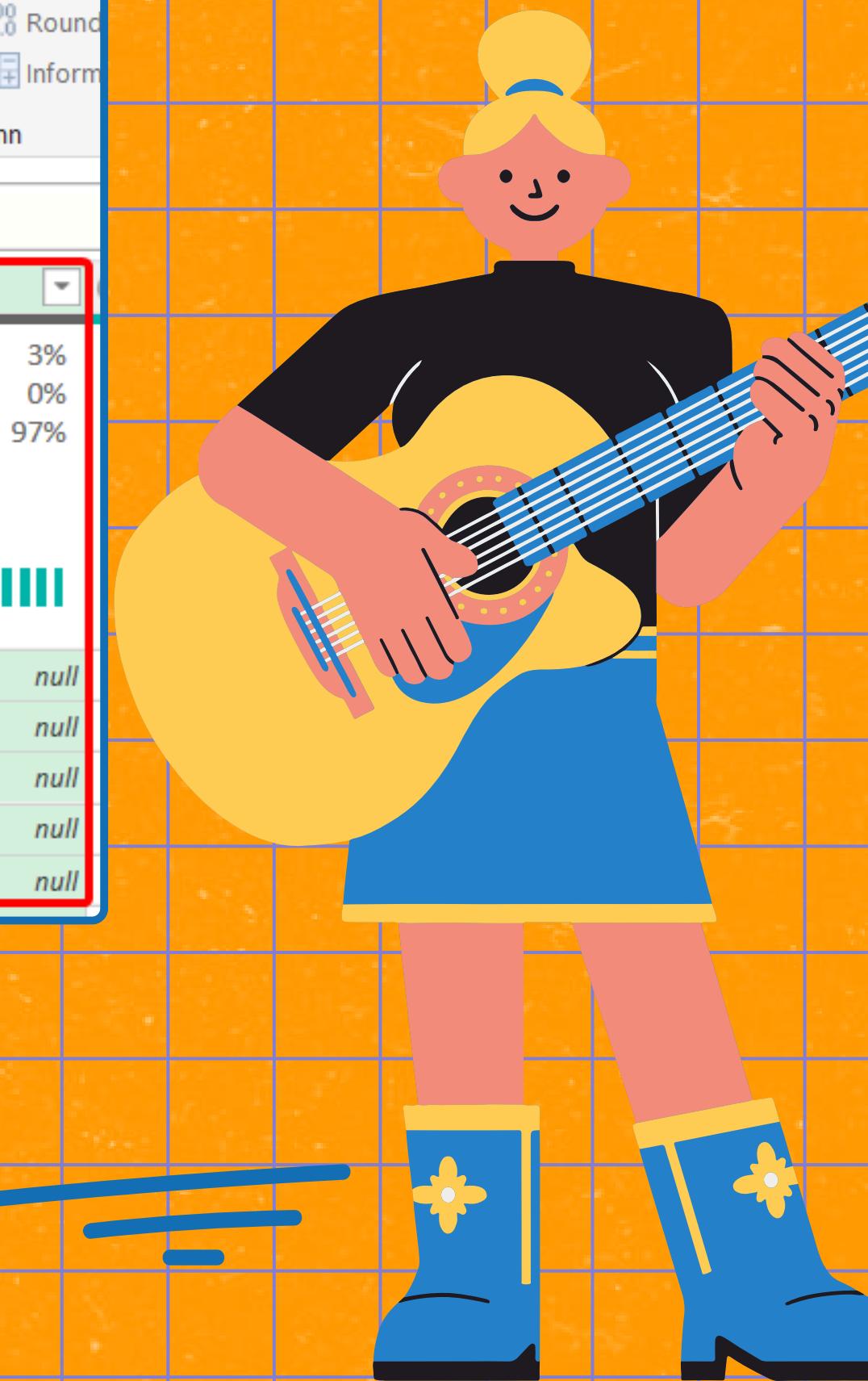


Result

Result



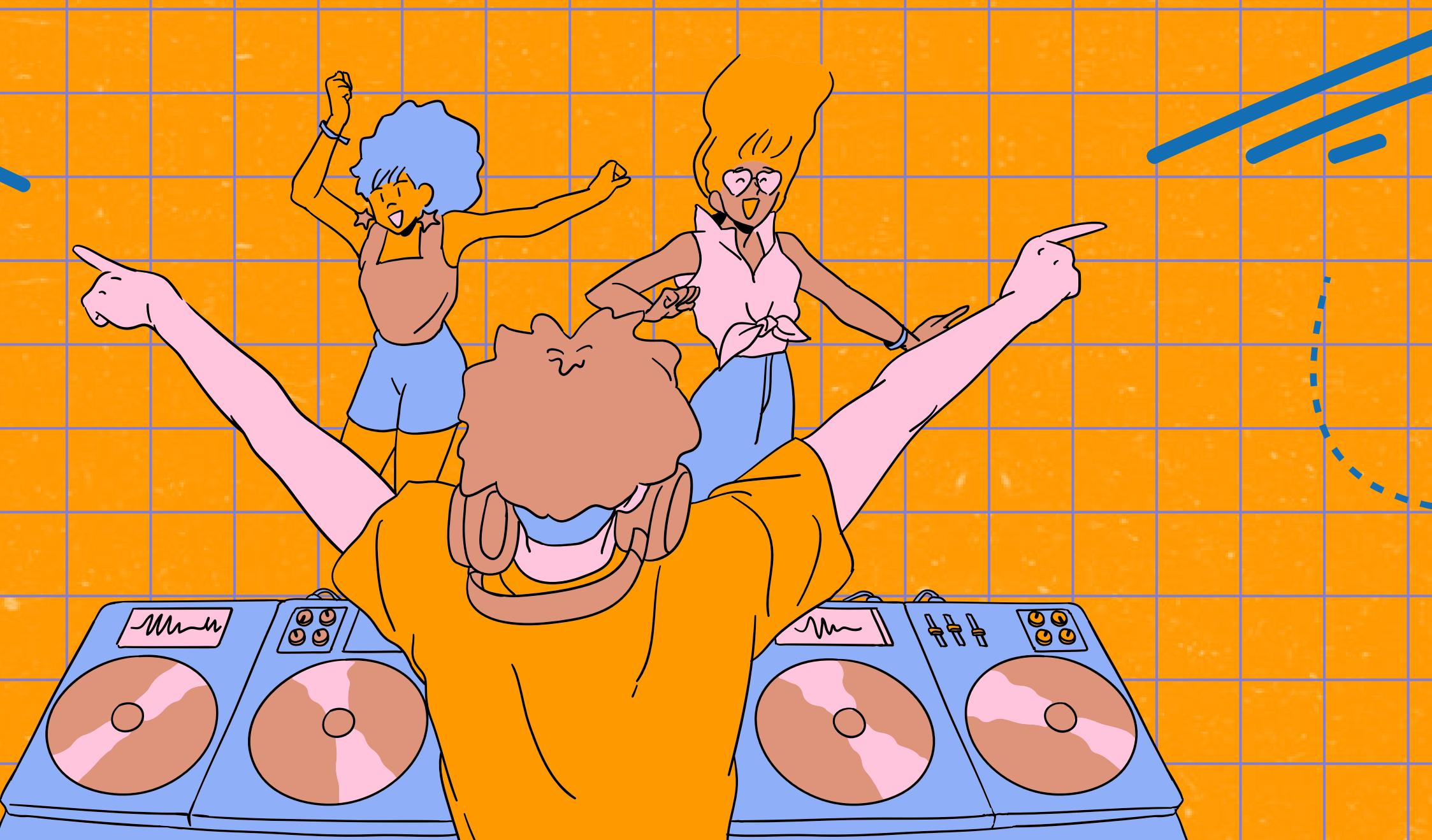
You can see final result.



Question - 8

8.

Merge the releasedate and language columns into a single new column named releaseinfo with the format "DD-MM-YYYY, Language."



Step - 132

Transform column

The screenshot shows the Microsoft Power Query Editor interface. The ribbon at the top has 'File', 'Home', 'Transform' (which is highlighted with a red box), 'Add Column', and 'View'. Below the ribbon are various tools for data manipulation like 'Transpose', 'Replace Values', 'Unpivot Columns', 'Move', 'Format', 'Split Column', 'Text Column', 'Merge Columns', 'Extract', 'Statistics', 'Standard', 'Scientific', 'Rounding', 'Trigonometry', 'Date', 'Time', 'Duration', 'Information', 'Expand', 'Aggregate', 'Extract Values', 'Date & Time Column', and 'Structured Column'. A red arrow points from the text 'Step - 1: Select language column .' to the 'language' column header in the table. Another red arrow points from the text 'Step - 2 : Click on Transform menu , in it click on Fomart .' to the 'Format' button in the ribbon.

Step - 1: Select language column .

Step - 2 : Click on Transform menu , in it click on Fomart .

In step first , I selected the language column , so i can transform it usign format inside it.



Step - 3

Formatting with Capitalize each Word.



The screenshot shows a data processing interface with a toolbar at the top. The 'Format' button is highlighted with a red box. A dropdown menu appears, listing 'lowercase', 'UPPERCASE', and 'Capitalize Each Word'. The 'Capitalize Each Word' option is also highlighted with a red box. A red arrow points from a callout box containing the text 'Step - 3 : After clicking Format , drop-down appears now click on Capitalize Each Word .' to the 'Capitalize Each Word' option in the dropdown menu. Below the toolbar, there are three columns labeled 'releasedate', 'language', and 'stars'. Each column has a status bar indicating 100% Valid, 0% Error, and 0% Empty. The 'language' column also shows 455 distinct, 234 unique values. The callout box contains the following text:

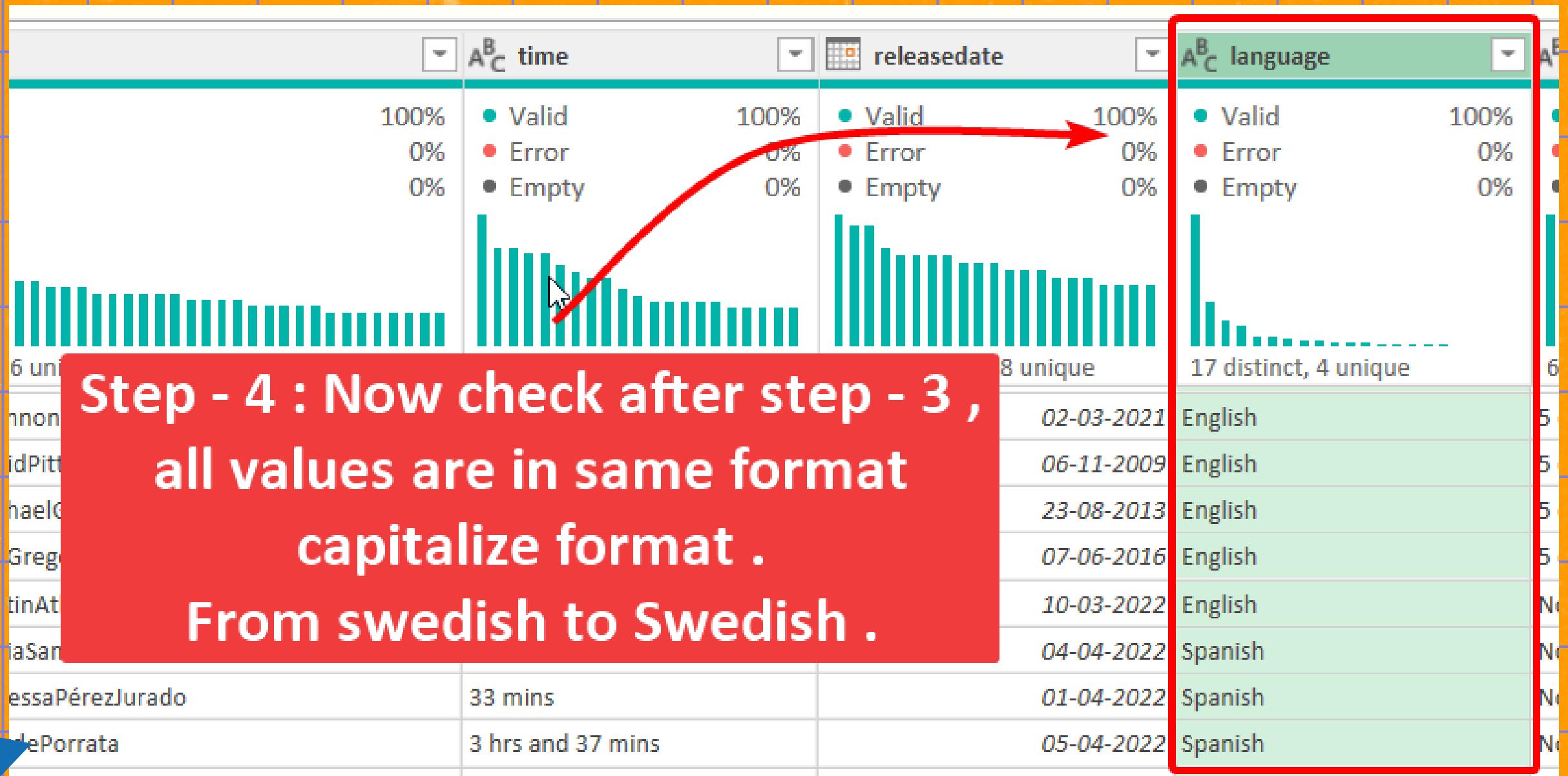
Step - 3 : After clicking Format ,
drop-down appears now click on
Capitalise Each Word .

In this step , formatting
language column values.



Step - 4

Checking Formated Values.

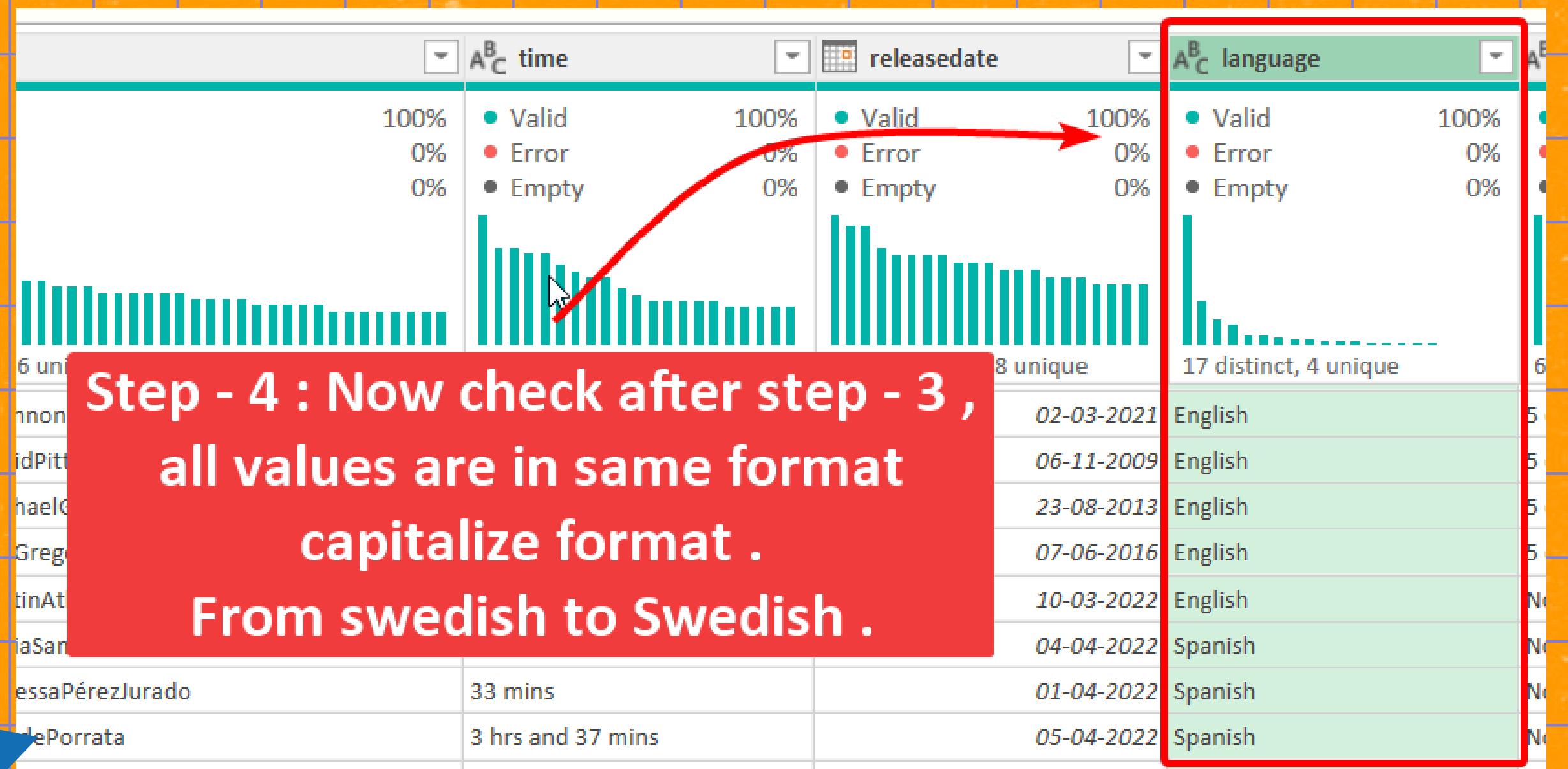


In this step , formatting
language column values.



Step - 5

Column selection



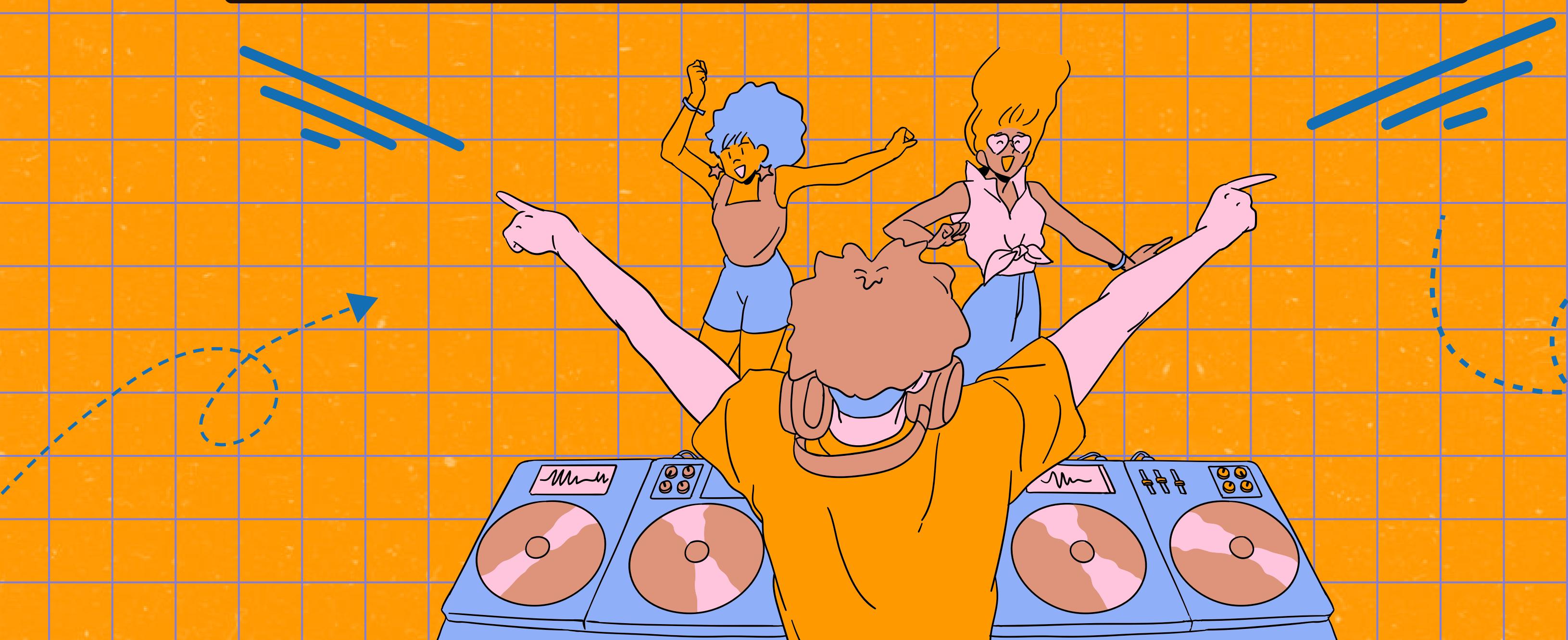
In this step , formatting
language column values.



Question - 9



Ensure all currency values in the price column are formatted consistently with two decimal places.



Step - 1

Transform column

The screenshot shows a data transformation interface with four columns: stars.1, stars.2.1, stars.2.2, and price. Each column has a status bar below it indicating the percentage of valid, error, and empty values. The 'price' column's status bar shows 100% Valid, 0% Error, and 0% Empty. A red callout box contains the following text:

Step - 1 : Click on "123" and change its data type to "text" as after inspecting i found it have some value with text "Free".

A red arrow points from the text in the callout box to the 'Text' option in the dropdown menu. The dropdown menu also includes options for Decimal Number, Currency, Whole Number, Percentage, Date/Time, Date, Time, Date/Time/Timezone, Duration, True/False, Binary, and Using Locale... The 'Text' option is highlighted with a red border.

In step first , I selected the column , so i can change its data type to "text".



Step -1

Replace values



Replace Values

Replace one value with another in the selected columns.

Value To Find

Free

Replace With

0

► Advanced options

Replace "Free" with 0/zero.

OK

Cancel

In this step , I replace
values “Free” with 0/zero.



Step - 2

Data type change

The screenshot shows a data analysis interface with several columns. The first three columns are labeled 'stars.1', 'stars.2.1', and 'stars.2.2'. The fourth column is labeled 'price' and has a dropdown menu open. The dropdown menu lists various data types: 'Decimal Number', '\$ Currency' (which is highlighted with a red box), 'Whole Number', 'Percentage', 'Date/Time', 'Date', 'Time', 'Date/Time/Timezone', 'Duration', 'Text', 'True/False', 'Binary', and 'Using Locale...'. A red box also highlights the '\$' icon next to 'Currency'.

ABC stars.1	ABC stars.2.1	ABC stars.2.2	ABC price
100% Valid	100% Valid	25% Valid	1.2 Decimal Number
0% Error	0% Error	0% Error	\$ Currency
0% Empty	0% Empty	75% Empty	12 Whole Number

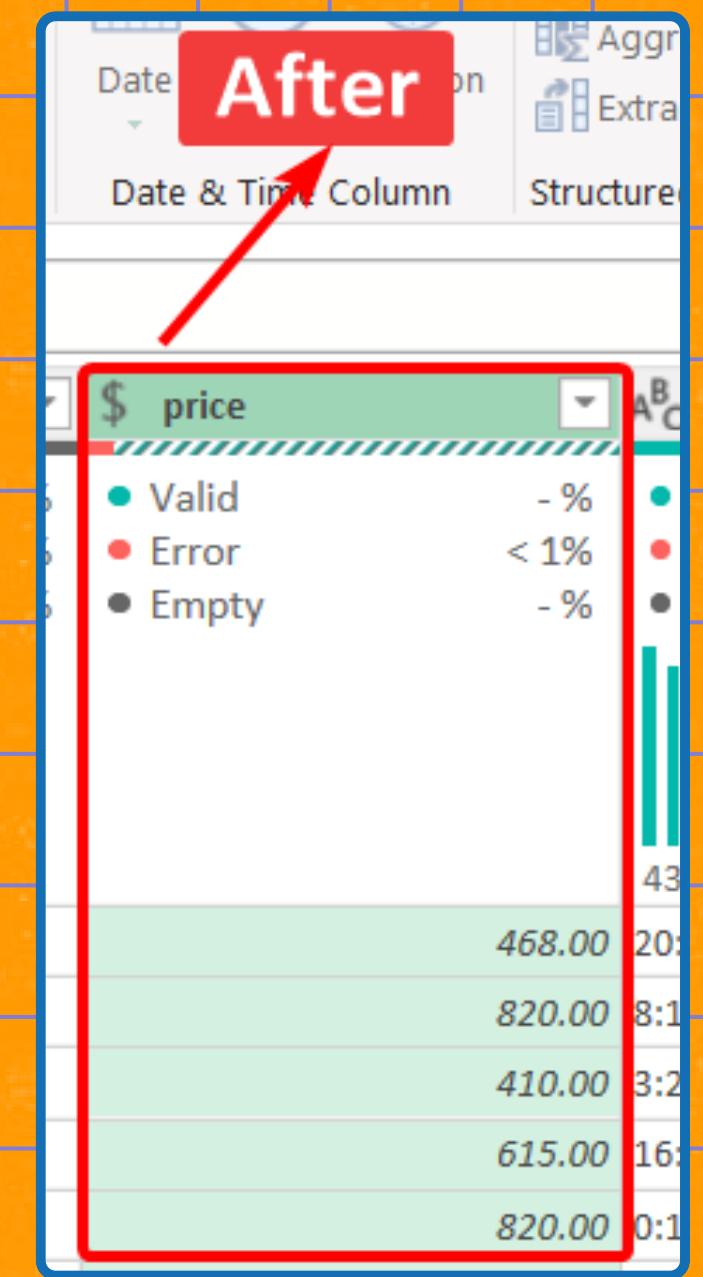
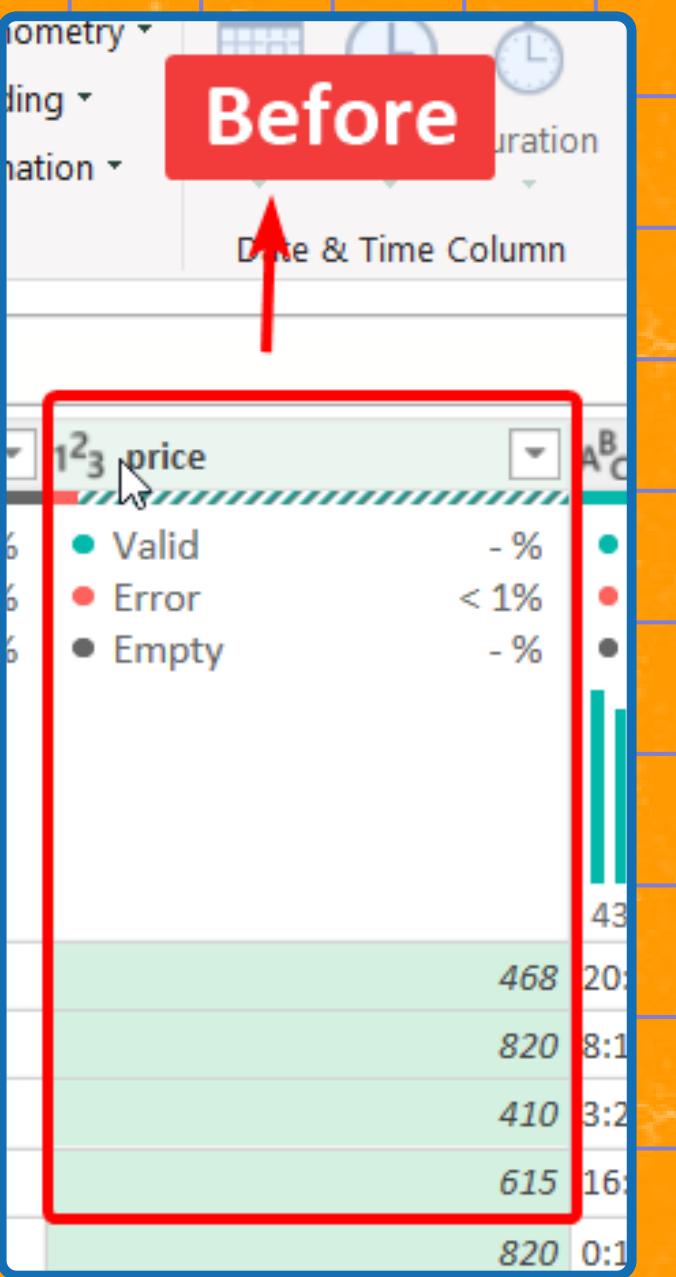
Step - 2 : Click on "ABC" and then drop-down appears , select "Currency" from it to chaneg data type . Now it have two decimal after point .

In this step , I changed data type to “Currency”.

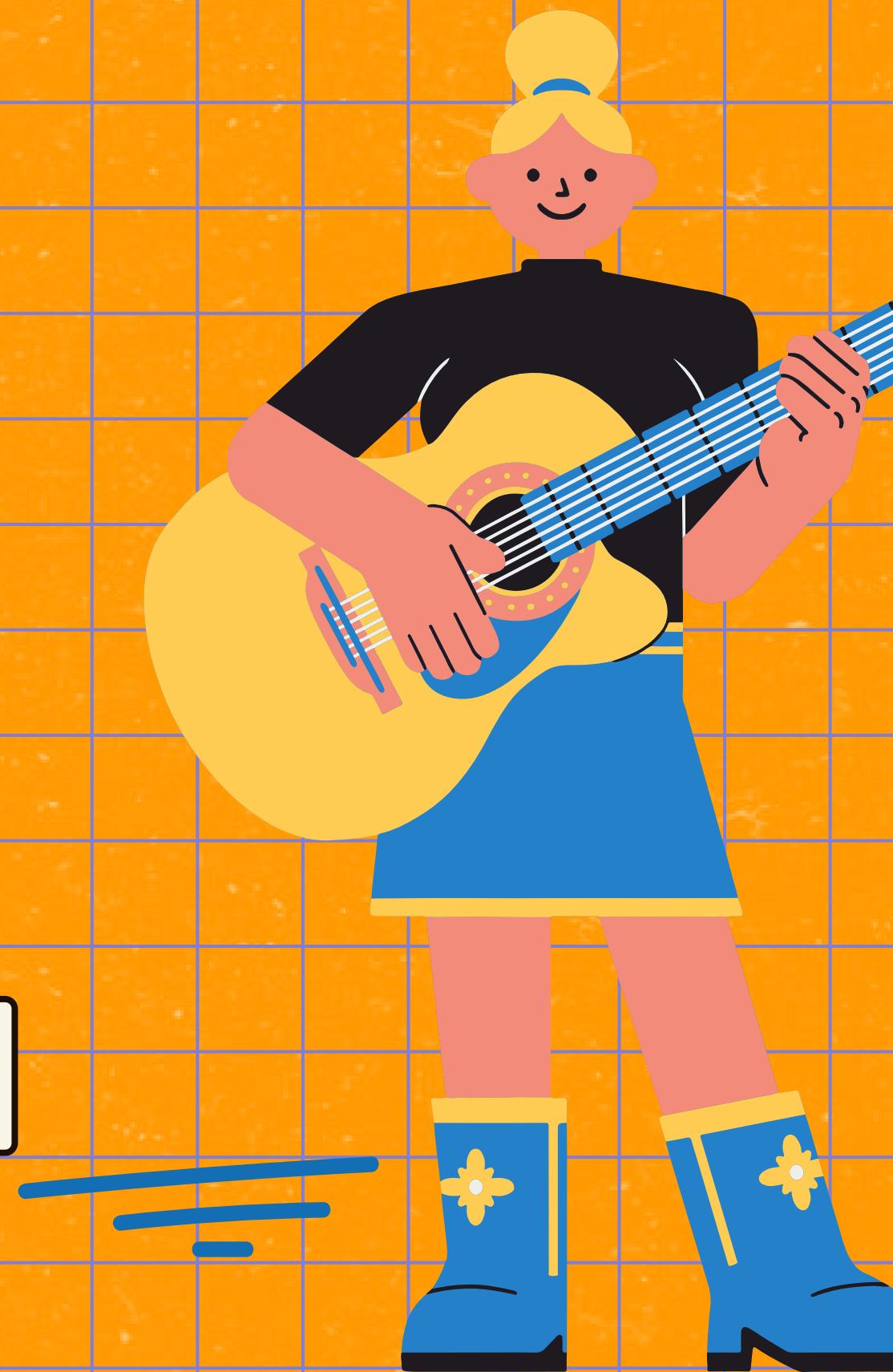


Result

Result



You can see final result.





Thank You

Contact : farookmohammad27@gmail.com

@farookmohammad