

How can I use CONCAT with QUERY in Google Sheets?

Authored by
stats writer

June 30, 2024

RECOMMENDED CITATION

stats writer (2024). *How can I use CONCAT with QUERY in Google Sheets?*.
PSYCHOLOGICAL SCALES. Retrieved from <https://scales.arabpsychology.com/?p=160407>

"Using CONCAT with QUERY in Google Sheets allows users to combine data from different cells and tables into one single cell, based on specific criteria set in the QUERY function. This enables users to easily manipulate and organize their data in a more efficient and effective manner."

Google Sheets: Use CONCAT with QUERY

Often you may want to concatenate the results of a query in Google Sheets into one cell per row.

Unfortunately it's not possible to use the CONCAT function with the QUERY function, but you can use the following formula to replicate this functionality:

```
=ARRAYFORMULA(  
SUBSTITUTE(  
trim(transpose(query(transpose(your_query),,COLUMN  
S(your_query))))," ","_")  
)
```

This particular formula concatenates the results of the query using `_` as the separator but you can change this separator to be anything you'd like.

The following example shows how to use this formula in practice.

Example: Use CONCAT with QUERY in Google Sheets

Suppose we have the following dataset in Google Sheets:

	A	B	C	D
1	First Name	Middle Name	Last Name	
2	Andy	Ike	Smith	
3	Bob	Doug	Miller	
4	Andy	Jake	Johnson	
5	Andy	Alex	Anderson	
6	Eric	Ford	Hendrick	
7	Frank	Arnold	Harris	
8				
9				
10				
11				
12				
13				
14				
15				
16				
17				
18				

We can use the following formula to query for rows where the first name contains "Andy" and concatenate the first, middle, and last names into one cell per row:

```
=ARRAYFORMULA(  
SUBSTITUTE(  
trim(transpose(query(transpose(query(A:C, "select *
```

where A contains 'Andy'))),,COLUMNS(query(A:C, "select * where A contains 'Andy'"))))))," ","_")
)

The following screenshot shows how to use this formula in practice:

	A	B	C	D	E	F
1	First Name	Middle Name	Last Name		Rows with First Name "Andy"	
2	Andy	Ike	Smith		Andy_Ike_Smith	
3	Bob	Doug	Miller		Andy_Jake_Johnson	
4	Andy	Jake	Johnson		Andy_Alex_Anderson	
5	Andy	Alex	Anderson			
6	Eric	Ford	Hendrick			
7	Frank	Arnold	Harris			
8						
9						
10						
11						
12						

Notice that the query only returns the rows where the first name contains 'Andy' and the first, middle, and last name are all concatenated into one cell per row using an underscore _ as the separator.

To use a different separator, simply change the "_" at the end of the formula with something else.

For example, the following screenshot shows how to use a space as a separator instead:

	A	B	C	D	E	F
1	First Name	Middle Name	Last Name		Rows with First Name "Andy"	
2	Andy	Ike	Smith		Andy Ike Smith	
3	Bob	Doug	Miller		Andy Jake Johnson	
4	Andy	Jake	Johnson		Andy Alex Anderson	
5	Andy	Alex	Anderson			
6	Eric	Ford	Hendrick			
7	Frank	Arnold	Harris			
8						
9						
10						
11						
12						

Once again the query only returns the rows where the first name contains 'Andy' and the first, middle, and last name are all concatenated into one cell per row using a space as the separator.

Additional Resources

The following tutorials explain how to perform other common tasks in Google Sheets:

ARABPSYCHOLOGY.COM