

How do I filter Google Sheets Query results by a specific date range?

Authored by
stats writer

July 2, 2024

RECOMMENDED CITATION

stats writer (2024). *How do I filter Google Sheets Query results by a specific date range?*. PSYCHOLOGICAL SCALES. Retrieved from <https://scales.arabpsychology.com/?p=165859>

The process of filtering Google Sheets Query results by a specific date range involves using the built-in date filters within the QUERY function. This allows for the selection of a specific date range, which can be further refined by using operators such as greater than or less than. By applying these filters, the user can easily extract and analyze data within a specific timeframe, providing a more targeted and accurate result. This functionality is especially useful for businesses and individuals who need to track and analyze data based on specific time periods.

Google Sheets Query: Filter by Date Range

You can use the following formula to filter by a date range in a Google Sheets query:

```
=QUERY(A1:C9,"select * where A > date "&TEXT(DATEVALUE("1/1/2020"),"yyyy-mm-dd")&"")
```

This particular formula returns all rows in the range A1:C9 where the date is after 1/1/2020.

The following examples show how to use this formula in practice with the following dataset:

	A	B	C	D	E
1	Date	Product	Revenue		
2	1/1/2020	A	10		
3	1/3/2020	A	6		
4	1/3/2020	B	8		
5	1/2/2020	C	14		
6	1/5/2020	A	10		
7	1/9/2020	B	19		
8	1/23/2020	B	22		
9	1/19/2020	C	14		
10	1/14/2020	A	18		
11	1/9/2020	B	8		
12	1/19/2020	C	4		
13	1/22/2020	C	7		
14	1/25/2020	A	7		
15	1/4/2020	B	11		
16	1/3/2020	B	13		
17	1/13/2020	C	8		
18					
19					
20					

Example 1: Filter Rows Before Some Date

We can use the following formula to filter for rows where the date is before 1/10/2020:

```
=QUERY(A1:C17,"select * where A < date "&TEXT(DATEVALUE("1/10/2020"),"yyyy-mm-dd")&"")
```

E1 `=QUERY(A1:C17,"select * where A < date '"&TEXT(DATEVALUE("1/10/2020"),"yyyy-mm-dd")&'"")`

	A	B	C	D	E	F	G
1	Date	Product	Revenue		Date	Product	Revenue
2	1/1/2020	A	10		1/1/2020	A	10
3	1/3/2020	A	6		1/3/2020	A	6
4	1/3/2020	B	8		1/3/2020	B	8
5	1/2/2020	C	14		1/2/2020	C	14
6	1/5/2020	A	10		1/5/2020	A	10
7	1/9/2020	B	19		1/9/2020	B	19
8	1/23/2020	B	22		1/9/2020	B	8
9	1/19/2020	C	14		1/4/2020	B	11
10	1/14/2020	A	18		1/3/2020	B	13
11	1/9/2020	B	8				
12	1/19/2020	C	4				
13	1/22/2020	C	7				
14	1/25/2020	A	7				
15	1/4/2020	B	11				
16	1/3/2020	B	13				
17	1/13/2020	C	8				
18							
19							
20							
21							
22							

Notice that only the rows where the date is before 1/10/2020 are returned.

Example 2: Filter Rows After Some Date

We can use the following formula to filter for rows where the date is after 1/10/2020:

`=QUERY(A1:C17,"select * where A > date '"&TEXT(DATEVALUE("1/10/2020"),"yyyy-mm-dd")&'"")`

E1 fx =QUERY(A1:C17,"select * where A > date '"&TEXT(DATEVALUE("1/10/2020"),"yyyy-mm-dd")&'"")

	A	B	C	D	E	F	G
1	Date	Product	Revenue		Date	Product	Revenue
2	1/1/2020	A	10		1/23/2020	B	22
3	1/3/2020	A	6		1/19/2020	C	14
4	1/3/2020	B	8		1/14/2020	A	18
5	1/2/2020	C	14		1/19/2020	C	4
6	1/5/2020	A	10		1/22/2020	C	7
7	1/9/2020	B	19		1/25/2020	A	7
8	1/23/2020	B	22		1/13/2020	C	8
9	1/19/2020	C	14				
10	1/14/2020	A	18				
11	1/9/2020	B	8				
12	1/19/2020	C	4				
13	1/22/2020	C	7				
14	1/25/2020	A	7				
15	1/4/2020	B	11				
16	1/3/2020	B	13				
17	1/13/2020	C	8				
18							
19							
20							
21							

Notice that only the rows where the date is after 1/10/2020 are returned.

Example 3: Filter Rows Between Two Dates

We can use the following formula to filter for rows where the date is between 1/5/2020 and 1/15/2020:

```
=QUERY(A1:C17,"select * where A > date '"&TEXT(DATEVALUE("1/5/2020"),"yyyy-mm-dd")&'"and A < date '"&TEXT(DATEVALUE("1/15/2020"),"yyyy-mm-dd")&'"")
```

`=QUERY(A1:C17,"select * where A > date '"&TEXT(DATEVALUE("1/5/2020"),"yyyy-mm-dd")&"' and A < date '"&TEXT(DATEVALUE("1/15/2020"),"yyyy-mm-dd")&"'")`

Date	Product	Revenue	Date	Product	Revenue
1/1/2020	A	10	1/9/2020	B	19
1/3/2020	A	6	1/14/2020	A	18
1/3/2020	B	8	1/9/2020	B	8
1/2/2020	C	14	1/13/2020	C	8
1/5/2020	A	10			
1/9/2020	B	19			
1/23/2020	B	22			
1/19/2020	C	14			
1/14/2020	A	18			
1/9/2020	B	8			
1/19/2020	C	4			
1/22/2020	C	7			
1/25/2020	A	7			
1/4/2020	B	11			
1/3/2020	B	13			
1/13/2020	C	8			

Notice that only the rows where the date is between 1/5/2020 and 1/15/2020 are returned.

Additional Resources

The following tutorials explain how to perform other common operations with dates in Google Sheets: