How can I use the MAXIFS function in Google Sheets?

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The MAXIFS function in Google Sheets is a useful tool for finding the maximum value in a range of cells based on specific criteria. This function allows users to specify one or more conditions that must be met for the maximum value to be returned. By using the MAXIFS function, users can easily and efficiently analyze large sets of data and find the highest value that meets their desired criteria. This function can be accessed through the "Functions" menu in Google Sheets and is a powerful tool for data analysis and decision making.

MAXIFS

Returns the maximum value in a range of cells, filtered by a set of criteria.

MAXIFS for BigQuery

Returns the maximum value in a filtered data column, filtered by a set of criteria applied to additional data columns.

Sample Usage

```
MAXIFS(table_name!price, table_name!fruits,"Apple", table_name!inventory, "<30")
```

Syntax

```
MAXIFS(column, criteria_column1, criterion1, criteria_column2, criterion2)
```

`column`: The data column from which the maximum will be determined.`criteria_column1`: The data column over which to evaluate `criterion1`.`criterion1`: The pattern or test to apply to `criteria_column1`, such that each cell that evaluates to `TRUE` will be included in the filtered set.`creteria_column2`: Additional data columns over which to evaluate the additional criteria. The filtered set will be the intersection of the sets produced by each criterion-column pair.`criterion2`: The pattern or test to apply to `criteria_column2`.

Sample Usage

```
MAXIFS(A1:A3, B1:B3, 1, C1:C3, "A")
```

```
MAXIFS(D4:E5, F4:G5, ">5", F6:G7, "<10")
```

Syntax

```
MAXIFS(range, criteria_range1, criterion1, )
```

`range` - The range of cells from which the maximum will be determined.

`criteria_range1` - The range of cells over which to evaluate `criterion1`.

`criterion1` - The pattern or test to apply to `criteria_range1`.

`criteria_range2, criterion2, ...` **Optional:** Additional ranges and their associated criteria. Note that filtering will result in the intersection of these.

Notes

`MAXIFS` will return `0` if none of the criterion are satisfied.`range` and all of the criterion ranges must be the same size. If they aren't, `MAXIFS` will return a `#VALUE` error.

See Also

`MINIFS`:

Returns the minimum value in a range of cells, filtered by a set of criteria.

`SUMIFS`: Returns the sum of a range depending on multiple criteria.

`IFS`:

Evaluates multiple conditions and returns a value that corresponds to the first true condition.

Example

	A	B	C
1	**ID**	**Score**	**Section**
2	123	30	B
3	102	28	A
4	157	29	A
5	189	19	B
6			
7	**Solution**	**Formula**	
8	157	= MAXIFS(A2:A5, B2:B5, ">25", C2:C5, "A")	

	A	B	C
9	123	= MAXIFS(A2:A5, B2:B5, ">25", C2:C5, "B")	
10	189	= MAXIFS(A2:A5, B2:B5, "<35", C2:C5, "B")	
11	0	= MAXIFS(A2:A5, B2:B5, ">35", C2:C5, "B")	