

What is the purpose and usage of the COUNTBLANK function in Google Sheets?

Authored by
stats writer

June 29, 2024

RECOMMENDED CITATION

stats writer (2024). *What is the purpose and usage of the COUNTBLANK function in Google Sheets?*. PSYCHOLOGICAL SCALES. Retrieved from <https://scales.arabpsychology.com/?p=160323>

The COUNTBLANK function in Google Sheets is designed to count the number of empty or blank cells within a given range. This function is commonly used to track missing data or to determine the completeness of a dataset. By identifying and counting the number of blank cells, users can easily spot any gaps in their data and take necessary actions to fill them. This function can also be used to calculate the percentage of missing data in a dataset. The COUNTBLANK function is a valuable tool for data analysis and helps users efficiently manage their data in Google Sheets.

Google Sheets COUNTBLANK Function

COUNTBLANK Function

The **COUNTBLANK** function is a premade function in Google Sheets, which counts blank cells in a range.

It is typed `=COUNTBLANK` and gets a list of cells:

`=COUNTBLANK(value1,)`

You can select cells one by one, but also ranges, or even multiple ranges.

Note: The **COUNTBLANK** function is helpful to find empty cells in a range.

Countblank Function Example

Apply the `=COUNTBLANK` function to range `C2:C21`, to find the Pokemons which do not have a 2nd Type:

| | A | B | C | D | E |
|----|-------------|---------------|---------------|--------------------|---|
| 1 | Name | Type 1 | Type 2 | Total stats | |
| 2 | Mankey | Fighting | | 305 | |
| 3 | Poliwrath | Water | Fighting | 510 | |
| 4 | Victreebel | Grass | Poison | 490 | |
| 5 | Tentacool | Water | Poison | 335 | |
| 6 | Magneton | Electric | Steel | 465 | |
| 7 | Dewgong | Water | Ice | 475 | |
| 8 | Cloyster | Water | Ice | 525 | |
| 9 | Onix | Rock | Ground | 385 | |
| 10 | Dragonair | Dragon | | 420 | |
| 11 | Pidgeotto | Normal | Flying | 349 | |
| 12 | Rattata | Normal | | 253 | |
| 13 | Beedrill | Bug | Poison | 395 | |
| 14 | Doduo | Normal | Flying | 310 | |
| 15 | Kingler | Water | | 475 | |
| 16 | Nidoqueen | Poison | Ground | 505 | |
| 17 | Hitmonchan | Fighting | | 455 | |
| 18 | Charmeleon | Fire | | 405 | |
| 19 | Arbok | Poison | | 438 | |
| 20 | Gastly | Ghost | Poison | 310 | |
| 21 | Magikarp | Water | | 200 | |
| 22 | | | | | |

COUNTBLANK function, step by step:

Select the cell C22

Type =COUNTBLANK

Click the **COUNTBLANK** command

| | A | B | C | D | E | F | G |
|----|-------------|---------------|---------------|--------------------|---|---|---|
| 1 | Name | Type 1 | Type 2 | Total stats | | | |
| 2 | Mankey | Fighting | | 305 | | | |
| 3 | Poliwrath | Water | Fighting | 510 | | | |
| 4 | Victreebel | Grass | Poison | 490 | | | |
| 5 | Tentacool | Water | Poison | 335 | | | |
| 6 | Magneon | Electric | Steel | 465 | | | |
| 7 | Dewgong | Water | Ice | 475 | | | |
| 8 | Cloyster | Water | Ice | 525 | | | |
| 9 | Onix | Rock | Ground | 385 | | | |
| 10 | Dragonair | Dragon | | 420 | | | |
| 11 | Pidgeotto | Normal | Flying | 349 | | | |
| 12 | Rattata | Normal | | 253 | | | |
| 13 | Beedrill | Bug | Poison | 395 | | | |
| 14 | Doduo | Normal | Flying | 310 | | | |
| 15 | Kingler | Water | | 475 | | | |
| 16 | Nidoqueen | Poison | Ground | 505 | | | |
| 17 | Hitmonchan | Fighting | | 455 | | | |
| 18 | Charmeleon | Fire | | 405 | | | |
| 19 | Arbok | Poison | | 438 | | | |
| 20 | Gastly | Ghost | | | | | |
| 21 | Magikarp | Water | | | | | |
| 22 | | | =COUNTBLANK | | | | |
| 23 | | | | | | | |

Specify range c2:c21

Hit enter

| | A | B | C | D | E | F | G |
|----|-------------|---------------|--------------------|--------------------|---|---|---|
| 1 | Name | Type 1 | Type 2 | Total stats | | | |
| 2 | Mankey | Fighting | | 305 | | | |
| 3 | Poliwrath | Water | Fighting | 510 | | | |
| 4 | Victreebel | Grass | Poison | 490 | | | |
| 5 | Tentacool | Water | Poison | 335 | | | |
| 6 | Magneon | Electric | Steel | 465 | | | |
| 7 | Dewgong | Water | Ice | 475 | | | |
| 8 | Cloyster | Water | Ice | 525 | | | |
| 9 | Onix | Rock | | | | | |
| 10 | Dragonair | Dragon | | | | | |
| 11 | Pidgeotto | Normal | | | | | |
| 12 | Rattata | Normal | | | | | |
| 13 | Beedrill | Bug | | | | | |
| 14 | Doduo | Normal | | | | | |
| 15 | Kingler | Water | | | | | |
| 16 | Nidoqueen | Poison | | | | | |
| 17 | Hitmonchan | Fighting | | | | | |
| 18 | Charmeleon | Fire | | | | | |
| 19 | Arbok | Poison | | | | | |
| 20 | Gastly | Ghost | | | | | |
| 21 | Magikarp | Water | | | | | |
| 22 | | | =COUNTBLANK(C2:C21 | | | | |
| 23 | | | | | | | |

COUNTBLANK(**value1**, [value2, ...])

EXAMPLE
COUNTBLANK(**A2:C100**, F2:G100)

ABOUT
Returns the number of empty values in a list of values and ranges.

value1
The first value or range in which to count the number of blanks.

value2... - [optional] repeatable
Additional values or ranges in which to count the number of blanks.

[Learn more](#)

| | A | B | C | D | E |
|----|-------------|---------------|---------------|--------------------|---|
| 1 | Name | Type 1 | Type 2 | Total stats | |
| 2 | Mankey | Fighting | | 305 | |
| 3 | Poliwrath | Water | Fighting | 510 | |
| 4 | Victreebel | Grass | Poison | 490 | |
| 5 | Tentacool | Water | Poison | 335 | |
| 6 | Magneton | Electric | Steel | 465 | |
| 7 | Dewgong | Water | Ice | 475 | |
| 8 | Cloyster | Water | Ice | 525 | |
| 9 | Onix | Rock | Ground | 385 | |
| 10 | Dragonair | Dragon | | 420 | |
| 11 | Pidgeotto | Normal | Flying | 349 | |
| 12 | Rattata | Normal | | 253 | |
| 13 | Beedrill | Bug | Poison | 395 | |
| 14 | Doduo | Normal | Flying | 310 | |
| 15 | Kingler | Water | | 475 | |
| 16 | Nidoqueen | Poison | Ground | 505 | |
| 17 | Hitmonchan | Fighting | | 455 | |
| 18 | Charmeleon | Fire | | 405 | |
| 19 | Arbok | Poison | | 438 | |
| 20 | Gastly | Ghost | Poison | 310 | |
| 21 | Magikarp | Water | | 200 | |
| 22 | | | 8 | | |
| 23 | | | | | |

The COUNTBLANK function successfully counted 8 blank cells in the range C2:C21.

★+1

W3schools Pathfinder

Track your progress - it's free!

Log in

Sign Up