

How to Select a Random Value From a List in Google Sheets

Authored by
stats writer

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In Google Sheets, you can use the RANDARRAY or RANDBETWEEN functions to select a random value from a list. RANDARRAY will return a single random value from a range or array of values. RANDBETWEEN will return a random integer between two given values. Both functions can be used in combination with other functions such as SORT and FILTER to get the desired results.

You can use the following formula to select a random value from a list in Google Sheets:

=INDEX(A2:A16, RANDBETWEEN(1, COUNTA(A2:A16)))

This particular formula selects a random value from the range **A2:A16**.

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

Example: Select Random Value from List in Google Sheets

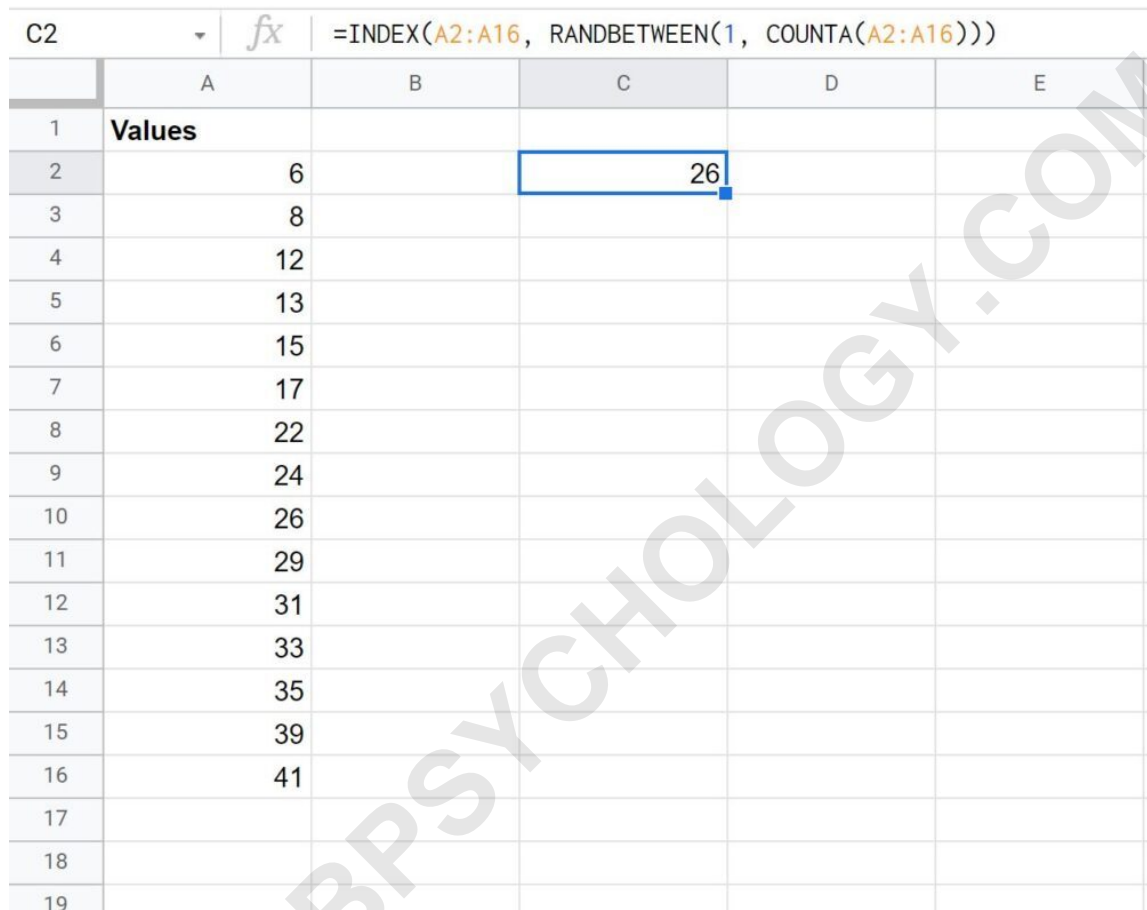
Suppose we have the following list of values in Google Sheets:

	A	B	C	D
1	Values			
2	6			
3	8			
4	12			
5	13			
6	15			
7	17			
8	22			
9	24			
10	26			
11	29			
12	31			
13	33			
14	35			
15	39			
16	41			
17				
18				
19				
20				
21				

We can type the following formula into cell **C2** to select a random value from the range **A2:A16**:

=INDEX(A2:A16, RANDBETWEEN(1, COUNTA(A2:A16)))

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



	A	B	C	D	E
1	Values				
2	6		26		
3	8				
4	12				
5	13				
6	15				
7	17				
8	22				
9	24				
10	26				
11	29				
12	31				
13	33				
14	35				
15	39				
16	41				
17					
18					
19					

We can see that the formula randomly selected **26** from the list of values in column A.

If you click on cell **C2** and click **Ctrl+C**, then click **Ctrl+V** to paste the same formula back into cell **C2**, a new value will be randomly selected from the list:

C2 \downarrow *fx* =INDEX(A2:A16, RANDBETWEEN(1, COUNTA(A2:A16)))

	A	B	C	D	E
1	Values				
2	6		33		
3	8				
4	12				
5	13				
6	15				
7	17				
8	22				
9	24				
10	26				
11	29				
12	31				
13	33				
14	35				
15	39				
16	41				
17					
18					
19					

We can see that the formula randomly selected **33** from the list of values this time.

Note: You can find the complete documentation for the **RANDBETWEEN** function in Google Sheets .