

# Re: Calculating Frequencies

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*Source:* <http://www.tech-archive.net/Archive/Excel/microsoft.public.excel.misc/2008-02/msg00317.html>

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- *From:* "Ron Coderre" <[ronREMOVETHIScoderre@xxxxxxxxxxx](mailto:ronREMOVETHIScoderre@xxxxxxxxxxx)>
  - *Date:* Sun, 3 Feb 2008 14:06:47 -0500
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Mentioning that you have Excel 2007 is definitely something you'd want to mention first, however, I don't believe that version would handle the formula I posted any differently.

When you entered the formula...did you commit it by:  
Holding down the CTRL and SHIFT keys when you pressed ENTER?  
(instead of just pressing ENTER)

Regarding your formula evaluation comment...  
This section: `IF($A$1:$A$20=$D2,$B$1:$B$20)`  
will return an array of 20 items:  
Values for matched items  
and  
FALSE for non-matches (which the FREQUENCY function will ignore)

Example:  
That section in the E2 formula evaluates to:  
{5;9;100;FALSE;FALSE;FALSE;FALSE;FALSE;FALSE;FALSE;  
FALSE;FALSE;FALSE;FALSE;FALSE;FALSE;FALSE;FALSE;FALSE}

But only the 3 numeric items are used.

Does that help?  
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Regards,

Ron  
Microsoft MVP (Excel)  
(XL2003, Win XP)

"Debugger" <[Debugger@xxxxxxxxxxxxxxxxxxxxxxxxxxxx](mailto:Debugger@xxxxxxxxxxxxxxxxxxxxxxxxxxxx)> wrote in message  
[news:93D21273-8A64-446E-A7DE-307AB1F16394@xxxxxxxxxxxxxxxxxxxx](mailto:news:93D21273-8A64-446E-A7DE-307AB1F16394@xxxxxxxxxxxxxxxxxxxx)

I did try this one, but it didnt work.

I evaludated the formula, one which is not behaving as expected is

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IF(\$A\$1:\$A\$20=\$D2,\$B\$1:\$B\$20)

as soon as it is true, it returns \$B\$1:\$B\$20 rather it should return the corresponding index. The complete B range is included in the frequencies.

I am working on MS 2007.

Thanks,  
Debugger

"Ron Coderre" wrote:

Using your posted data in A1:B7

Try this:  
E1: 10  
F1: 25  
G1: 100

D2: a  
D3: x  
D4: c

Enter this ARRAY FORMULA, committed with CTRL+SHIFT+ENTER  
(instead of just ENTER) in...

E2:  
=INDEX(FREQUENCY(IF(\$A\$1:\$A\$20=\$D2,\$B\$1:\$B\$20),\$E\$1:E\$1),COLUMNS(\$E:E))

Copy E2 and paste into E3:E4  
Copy E2:E4 and paste across through Col\_G

With your sample data, these values are returned:

(blank)_	10	25	100
a	2	0	1
x	0	0	1
c	1	0	2

Note: there is an error in your posted table.  
"x" and "c" have no values >10 and <=25  
(Unless I misunderstood your criteria)

Is that something you can work with?

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Regards,

Ron  
Microsoft MVP (Excel)  
(XL2003, Win XP)

Re: Calculating Frequencies

"Debugger" <Debugger@xxxxxxxxxxxxxxxxxxxxxxxxxxxx> wrote in message  
news:799AA7CF-F6A7-4C1D-9160-01E5A949E905@xxxxxxxxxxxxxxxxxxxx

Hi,

If i am given a data

A B  
-- --  
a 5  
a 9  
a 100  
x 27  
c 75  
c 10  
c 34

Result

0-10 10-25 25-100  
a 2 0 1  
x 0 1 0  
c 1 1 1

Basically i would like to calculate the frequencies for each  
item in  
column

A. I cannot do one by one as there are very large no of item  
in column

A.

Please suggest me what is the best way to do this?

Thanks,  
Debugger