

# Re: Pass an array to Rank

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*Source:*

<http://www.tech-archive.net/Archive/Excel/microsoft.public.excel.worksheet.functions/2005-06/msg05261.html>

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- From: "RagDyer" <[RagDyer@xxxxxxxxxxxxxx](mailto:RagDyer@xxxxxxxxxxxxxx)>
  - Date: Tue, 28 Jun 2005 20:13:47 -0700
- 

Would this "auto sort" \*array\* formula of Harlan's be of any help?

```
=INDEX($D$1:$D$10,MATCH(SMALL(COUNTIF($D$1:$D$10,"<"&$D$1:$D$10),ROW()-ROW($E$1)+1),COUNTIF($D$1:$D$10,"<"&$D$1:$D$10),0))
```

The "E1" is not a typo!  
It's the first cell that you enter the formula in.

This works for \*all\* text, OR \*all\* numbers.

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Regards,

RD

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Please keep all correspondence within the NewsGroup, so all may benefit !

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"Biff" <[biffinpitt@xxxxxxxxxxxxxx](mailto:biffinpitt@xxxxxxxxxxxxxx)> wrote in message

[news:u\\$FVBtEfFHA.3584@xxxxxxxxxxxxxxxxxxxxxxxxxxxxxx](mailto:news:u$FVBtEfFHA.3584@xxxxxxxxxxxxxxxxxxxxxxxxxxxxxx)

> That could be done but it would have to done every time the data changes.

A

> macro could also be used but the macro would have to run every time the data

> changes. I'm looking for a completely automated operation and the formula

> route satisfies that requirement. It's just a matter of trying to eliminate

> the need for the helper columns. I can live with what I have!

>

> Biff

>

> "Alan Beban" <[unavailable@xxxxxxx](mailto:unavailable@xxxxxxx)> wrote in message

> [news:%23UTvWhEfFHA.3448@xxxxxxxxxxxxxxxxxxxxxxxxxxxxxx](mailto:news:%23UTvWhEfFHA.3448@xxxxxxxxxxxxxxxxxxxxxxxxxxxxxx)

>> If you simply copy the list to another range and then perform Data/Sort,

>> Ascending, it will return

>>

>> black

## Re: Pass an array to Rank

```
>> blue
>> grass
>> green
>> green
>>
>> Is that satisfactory?
>>
>> Alan Beban
>>
>> Biff wrote:
>>> Hi Domenic!
>>>
>>> I'm try to extract TEXT values sorted in ascending order. I can do it
>>> easily but it takes 2 helper columns. So what I'm trying to do is put
it
>>> all together in a single formula and eliminate the need for the
helpers.
>>> The list has dupes and that's what's proving to be a real bear.
>>>
>>> green
>>> black
>>> grass
>>> blue
>>> green
>>>
>>> I want to extract sorted based on the first letter. It doesn't matter
if
>>> "black" or "blue" is listed first. So the extracted list would look
like
>>> this:
>>>
>>> black
>>> blue
>>> green
>>> green
>>> grass
>>>
>>> Right now I use 2 helpers, 1 returns the code for the first letter:
>>>
>>> =CODE(UPPER(A1))
>>>
>>> The other helper is the Rank that break ties:
>>>
>>> =RANK(B1,B$1:B$5)+COUNTIF(B$1:B1,B1)-1
>>>
>>> Then a simple INDEX/MATCH.
>>>
>>> Trying to put that all together in one formula!
>>>
>>> Good challenge for someone!
>>>
```

Re: Pass an array to Rank

>>> Biff  
>>>  
>>> "Domenic" <domenic22@xxxxxxxxxxxx> wrote in message  
>>> news:domenic22-B8C33E.20312228062005@xxxxxxxxxxxxxxxxxxxxxxxxxxxx  
>>>  
>>>>Hi Biff!  
>>>>  
>>>>Unfortunately, I have no idea. Does the solution have to involve the  
>>>>RANK function or are you willing to use another alternative to get  
>>>>ranking?  
>>>>  
>>>>In article <Oj312pDfFHA.1412@xxxxxxxxxxxxxxxxxxxxxxxx>,  
>>>>"Biff" <biffinpitt@xxxxxxxx> wrote:  
>>>>  
>>>>  
>>>>>Hi Folks!  
>>>>>  
>>>>>Anyone know how to pass an array of values as the ref argument of the  
>>>>>Rank  
>>>>>function without hardcoding or using a range reference?  
>>>>>  
>>>>>Assume I have this array of values generated by another formula:  
>>>>>{71;66;83;71;84}  
>>>>>  
>>>>>How do I pass that array to Rank?  
>>>>>  
>>>>>I can get the array passed but then the formula #VALUE! errors:  
>>>>>  
>>>>>=RANK(71,{71;66;83;71;84})  
>>>>>  
>>>>>I've tried using a name for the array, Indexing, Indirect ???  
>>>>>  
>>>>>I've never seen this done but I'm not certain that it can't be done.  
>>>>>  
>>>>>Biff  
>>>>  
>>>>  
>

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• **Follow-Ups:**

◆ **Re: Pass an array to Rank**

◇ From: Biff

• **References:**

◆ **Pass an array to Rank**

◇ From: Biff

◆ **Re: Pass an array to Rank**

Re: Pass an array to Rank

◇ *From:* Domenic

◆ ***Re: Pass an array to Rank***

◇ *From:* Biff

◆ ***Re: Pass an array to Rank***

◇ *From:* Alan Beban

◆ ***Re: Pass an array to Rank***

◇ *From:* Biff

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