

Re: Autosort, but keep Row 1 seperate

Source: <http://www.tech-archive.net/Archive/Excel/microsoft.public.excel.misc/2007-01/msg01717.html>

- *From:* Orangepegs <Orangepegs@xxxxxxxxxxxxxxxxxxxxxxxxxxxxxx>
 - *Date:* Fri, 12 Jan 2007 12:59:04 -0800
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I think we're close to what I'm trying to accomplish... I am a recruiter, and I'm trying to create a spreadsheet for my candidates to categorize them based on skillset, qualifications, and rankings. The overall rankings is where the average formula comes into play. This is similar to what my spreadsheet looks like (The three determining factors on this, however, would be columns B and G (for simplicity's sake I reduced and rearranged columns for this example. I want it to sort by Status first, then Overall):

```
A B C D E
F G
1- Name: Status: Attitude: Comm: Apprnc: Exprience:
Overall: (etc)
2- Jon A 10 4 7
10
3- Mary A 9 9 8
6 8
4- Kim A 7 1 1
1 2.5
5- Paul U 2 1 4
4 2.8
```

As my coding states, the header (which is frozen) is in Row 1, and the input line is Row 2. On Column S, when I enter in any letter and press enter, it inserts everything in Row 2 to the appropriate row within the worksheet. The overall score is one of the sorting factors, but I want it to be based off of an average from columns C through F. Is there a place in the coding I can input a code to be sure that G2 is averaging C2:F2?

I might be approaching this from the wrong angle, but I'm new to the page coding thing, and all I really know are basic formulas.

Thanks,

Orangepegs

"Dave Peterson" wrote:

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It sounds like your headers are in row 1, you have the =average() formulas in row 2 and the data in rows 3:xxxx.

You could sort rows 3 to xxxx and turn headers to off.

I like to do something like:

```
dim LastRow as long
dim RngToSort as range
with worksheets("sheet9999")
lastrow = .cells(.rows.count,"A").end(xlup).row
set rngtosort = .range("a3:s" & lastrow)
with rngtosort
Key1:=.columns(7), order1:=xlDescending, _
Key2:=.columns(11), order2:=xlDescending, _
Key3:=.columns(12), order3:=xlDescending, _
header:=xlno
end with
end with
```

===

PS. Another thing you may want to consider. Put your average formulas in Row 1. Put the headers in Row 2.

Then select A3 and window|Freeze panes.

Then the averages will always be visible above the headers. And the averages look like they're not part of the data.

PPS. And you may want to consider using =subtotal(1,...) as your average formulas. If you apply data|filter|autofilter, then this function will ignore the hidden rows. Kind of neat if you're looking at only certain categories.

Orangepegs wrote:

That was very helpful, thank you. It solved the header issue. However, there is one more issue at hand. The cell G2 is meant to average a2:f2. Whenever the autosort kicks in, it leaves G2 as a blank cell with no more formula. Is there a way to correct that?

Thanks,

Orangepegs

"Dave Peterson" wrote:

I'm not sure what you're doing with
"Key1:=Range("G2,k2,l2)", but if you really
meant to sort by 3 key fields, you'll want to use Key1, key2,

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key3.

And one of the options when you sort is to allow excel to guess at the header row. Since you know your data has headers, just tell excel that in your code:

```
Columns("A:S").Sort _  
Key1:=Range("G2"), order1:=xlDescending, _  
Key2:=Range("k2"), order2:=xlDescending, _  
Key3:=Range("l2"), order3:=xlDescending, _  
header:=xlyes
```

Orangepegs wrote:

I've figured out how to autosort my columns, but there are two problems: I can't seem to do it without messing up my frozen window pane in Row 1 (this describes the information in the spreadsheet), and I want an "average" formula to populate one of the cells I use in the autosort formula (It disappears every time the autosort function kicks in).

Anyhow, here's the formula I came up with. The main problem is with the first row being included in the sort. I thought I had it covered, but obviously it doesn't work.

```
Private Sub Worksheet_Change(ByVal  
Target As Range)  
If Intersect(Target, Range("S2")) Is Nothing  
Then  
Exit Sub  
End If
```

```
Application.EnableEvents = False  
Columns("A:S").Sort  
Key1:=Range("G2,k2,l2"),  
order1:=xlDescending  
Range("A2:S2").Insert Shift:=xlDown  
Application.EnableEvents = True  
End Sub
```

Any and all help is much appreciated!

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Dave Peterson

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