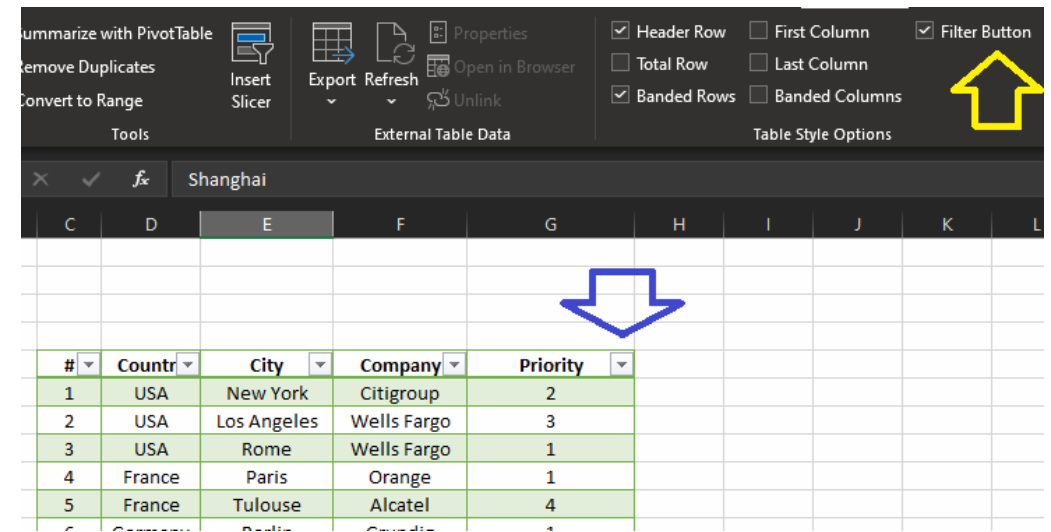


Excel VBA Code to Show/Hide Table Filter DropDown Buttons

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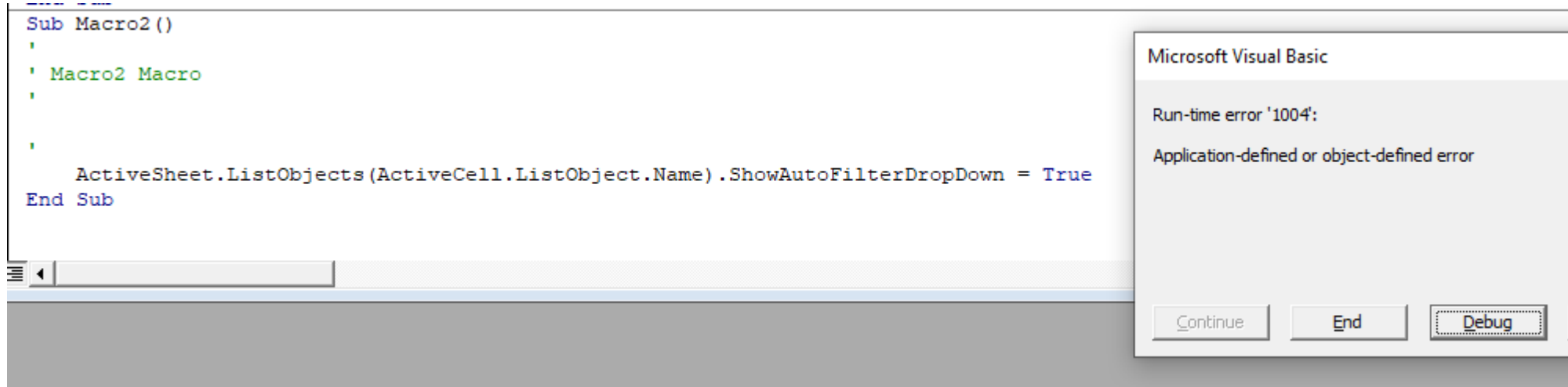
Problem



- Another macro that I use to filter needs the state of the table to be “filter drop down buttons are visible” (if you select a cell in the table and go to Table Design, you will see the “Filter button” field checked)
- I don’t know how to do this through VBA
- So I have to use the CTRL-SHIFT-L shortcut each time, (if needed)
- Better to have another macro that can be called (if needed) to get it in the

`ActiveSheet.ListObjects(ActiveCell.ListObject.Name).ShowAutoFilterDropDown = True` state

Seems Simple, But..



`ActiveSheet.ListObjects(ActiveCell.ListObject.Name).ShowAutoFilterDropDown` can be used to retrieve the state, but not assign to it

Deliverables

- Macro_1 that will put the table in the ShowAutoFilterDropDown = True state fault tolerantly (i.e., not give an error if Table already in this state)
- Macro_2 that will put the table in the ShowAutoFilterDropDown = False state fault tolerantly

Resources

- Hopefully, one does not need to process each column to achieve this, but if that is the only way, this may be a useful resource

<https://contexturesblog.com/archives/2012/05/29/hide-arrows-in-excel-autofilter/>

- Hoping for an elegant solution though
- Good luck!

Tests

starting point : table doesn't show DD buttons :
run macro_1
Now the DD buttons show

starting point : table shows DD buttons :
run macro_1
DD buttons still show, nothing changed

starting point : table doesn't show DD buttons :
run Macro_2
nothing changes; DD buttons don't show

starting point : table shows DD buttons :
run Macro_2
DD buttons are gone

Answer (Thanks Mohd. Wasiuzzaman Shohan)

```
Sub Tbl_Fil_DD_ON()  
  
    On Error Resume Next  
    ActiveCell.Select  
    Application.CutCopyMode = False  
    Selection.AutoFilter  
    ActiveCell.AutoFilter Field:=1,  
Criteria1:="<>"  
    ActiveCell.AutoFilter Field:=1  
    If Err <> 0 Then MsgBox "Select any  
cell in table/data you want to filter and  
click the button" ' "AutoFilter Notification"  
    On Error GoTo 0  
  
End Sub
```

```
Sub Tbl_Fil_DD_OFF()  
  
    On Error Resume Next  
    ActiveCell.Select  
    Application.CutCopyMode = False  
    Selection.AutoFilter  
    ActiveCell.AutoFilter Field:=1,  
Criteria1:="<>"  
    ActiveCell.AutoFilter Field:=1  
    Selection.AutoFilter  
    If Err <> 0 Then MsgBox "Select any  
cell in table/data you want to filter and  
click the button" ' "AutoFilter Notification"  
    On Error GoTo 0  
  
End Sub
```

Another Possible Solution

The problem is that `Selection.AutoFilter` destroys the filter, so `ActiveCell.ListObject.ShowAutoFilterDropDown = True` no longer works.

So, the one solution is to use `Application.OnKey` to remap CTRL-SHIFT-L to do `ActiveCell.ListObject.ShowAutoFilterDropDown = Not ActiveCell.ListObject.ShowAutoFilterDropDown` so as to preserve the filter..

Basically, override the Microsoft default and prevent damage and then `ActiveCell.ListObject.ShowAutoFilterDropDown = True or False` always works

Using Tbl_Fil_DD_ON

- Does “the job”
- Unfortunately, the job was not specified perfectly 😊
- If the Table is in a filtered state, then, because Tbl_Fil_DD_ON because does run Selection.AutoFilter, it un-does the filtering 😊
- So, the idea of using Tbl_Fil_DD_ON to get around the problem of not having the FilterDropDown visible prior to running the Exclude macro doesn't work
- Fortunately, there's ActiveSheet.FilterMode, which like a typical Microsoft name, believe it or not, applies to the Table the active cell is in, not the ActiveSheet 😊

Tips from the Master

1. Kutools for excel
2. Ablesbits for excel
3. Power User
4. Automacro
5. XLS Pad Lock (to convert excel files into software *.exe file)