PTR

Hands on...

Excel VBA Row & Region Selection Tips

Learn how to use the following in this document:

Range.End Property

The Range.End Property returns a range object that represents the last cell in the direction specified.

It accepts one argument which indicates the direction to move in.

Selection.End(xlDown)	Equivalent to pressing CTRL + Cursor Down
Selection.End(xlUp)	Equivalent to pressing CTRL + Cursor Up
Selection.End(xlToLeft)	Equivalent to CTRL + Cursor Left
Selection.End(xlToRight)	Equivalent to CTRL + Cursor Right

Not that they will only move to the last filled cell in the specified direction so if there are blank cells, rows or columns in a data region it will not necessarily move to the end of the whole data region.

The following macro was created by recording the following keyboard actions: <CTRL><Up Arrow>, <CTRL><Down Arrow>, <CTRL><Right Arrow> and finally <CTRL><Up Arrow>.

```vba
Sub CursorMovements()
'
' CursorMovements Macro
'

'
    Selection.End(xlUp).Select
    Selection.End(xlDown).Select
    Selection.End(xlToRight).Select
    Selection.End(xlUp).Select
End Sub
```

The UsedRange Property

The UsedRange property can be used to address the range of cells that have data in them. It will take the data range to the furthest row and column containing data, ignoring blank columns and rows that might otherwise cut the range of cells short.

```vba
Sub SelectUsedRegion()

    ActiveSheet.UsedRange.Select

End Sub
```

The above macro was applied to the following worksheet:

	A	B	C	D	E	F	G	H	I	J
1	Jan	Feb	Mar		Apr	May	Jun			
2										
3	10	45	35		10	45	35			
4	15	50	50		15	50	50			
5	20	25	30		20	25	30			
6	25	35	45		25	35	45			
7										
8										
9										
10										
11										
12										
13										
14										
15										

The result is as follows:

	A	B	C	D	E	F	G	H	I
1	Jan	Feb	Mar		Apr	May	Jun		
2									
3	10	45	35		10	45	35		
4	15	50	50		15	50	50		
5	20	25	30		20	25	30		
6	25	35	45		25	35	45		
7									
8									
9									

Selecting The First Row of a Worksheet

ActiveCell.End Method

The following example sets an object variable to the first row of a worksheet.

```vba
Sub SelectHeadingsOnly()
'Procedure to select the FIRST row only of the data

Dim rng As Range ' Object variable to hold our range

Set rng = Range(ActiveCell.End(xlUp).End(xlToLeft), _
    ActiveCell.End(xlUp).End(xlToRight))

rng.Font.Bold = True
rng.Interior.Color = vbBlack
rng.Font.Color = vbWhite

Set rng = Nothing
End Sub
```

ActiveCell represents the current cell in the worksheet.

Range(ActiveCell.End(xlUp).End(xlToLeft), _

    ActiveCell.End(xlUp).End(xlToRight))

Defines a range from:

    ActiveCell.End(xlUp).End(xlToLeft) : Up to the top and to the left (Top Left cell)

To:

    ActiveCell.End(xlUp).End(xlToRight) : Up to the top and to the Right (Top right cell)

For the following worksheet:

	A	B	C	D	E	F	G
1	Jan	Feb	Mar	Apr	May	Jun	
2	10	45	35	10	45	35	
3	15	50	50	15	50	50	
4	20	25	30	20	25	30	
5	25	35	45	25	35	45	
6							

The macro results in this:

	A	B	C	D	E	F	
1	Jan	Feb	Mar	Apr	May	Jun	
2	10	45	35	10	45	35	
3	15	50	50	15	50	50	
4	20	25	30	20	25	30	
5	25	35	45	25	35	45	
6							

For the following worksheet:

	A	B	C	D	E	F	G	H
1	Jan	Feb	Mar		Apr	May	Jun	
2	10	45	35		10	45	35	
3	15	50	50		15	50	50	
4	20	25	30		20	25	30	
5	25	35	45		25	35	45	
6								
7								

The macro results in this:

	A	B	C	D	E	F	G
1	Jan	Feb	Mar		Apr	May	Jun
2	10	45	35		10	45	35
3	15	50	50		15	50	50
4	20	25	30		20	25	30
5	25	35	45		25	35	45
6							

For the following worksheet:

⊿	A	B	C	D	E	F	G	H
1	Jan	Feb	Mar		Apr	May	Jun	
2								
3	10	45	35		10	45	35	
4	15	50	50		15	50	50	
5	20	25	30		20	25	30	
6	25	35	45		25	35	45	
7								

The macro results in this:

⊿	A	B	C	D	E	F	G	H
1	Jan	Feb	Mar		Apr	May	Jun	
2								
3	10	45	35		10	45	35	
4	15	50	50		15	50	50	
5	20	25	30		20	25	30	
6	25	35	45		25	35	45	
7								

UsedRange.Rows Method

The following example sets an object variable to the used area of a worksheet. This will include areas past any blank rows and columns.

```vba
Sub SelectUsedRegion()

    With ActiveSheet.UsedRange.Rows(1)
        .Interior.Color = vbBlack
        .Font.Color = vbWhite
        .Font.Bold = True
    End With

End Sub
```

For the following worksheet:

(Note we can start with any cell in the worksheet selected)

	A	B	C	D	E	F	G	H	I	J
1	Jan	Feb	Mar		Apr	May	Jun			
2										
3	10	45	35		10	45	35			
4	15	50	50		15	50	50			
5	20	25	30		20	25	30			
6	25	35	45		25	35	45			
7										
8										
9										
10										
11										
12										
13										
14										
15										

The macro results in this:

	A	B	C	D	E	F	G	H	I	J
1	**Jan**	**Feb**	**Mar**		**Apr**	**May**	**Jun**			
2										
3	10	45	35		10	45	35			
4	15	50	50		15	50	50			
5	20	25	30		20	25	30			
6	25	35	45		25	35	45			
7										
8										
9										
10										
11										
12										
13										
14										
15										