



MICROSOFT EXCEL TIPS & TRICKS

For the guru in you



EXCEL TIPS & TRICKS

Dear fellow Excel enthusiast,

If you're not an enthusiast yet, I hope that with the help in these Tips & Tricks, you soon will be.

These are some of my favourite tips and power features that'll get you well on your way to 'Excel Guru Status' giving you not only the recognition you deserve, but also making your work more efficient and enjoyable.

Kind regards,


Co-founder
[My Online Training Hub](http://MyOnlineTrainingHub.com)



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1. You don't charge anyone money for it. That's my right.
2. You don't change, edit, or alter the digital format or contents.
3. All links must remain in place.

My hope for this e-book is that you please share it with as many people as possible, and by sharing the knowledge, many more people will love Excel and love their work.



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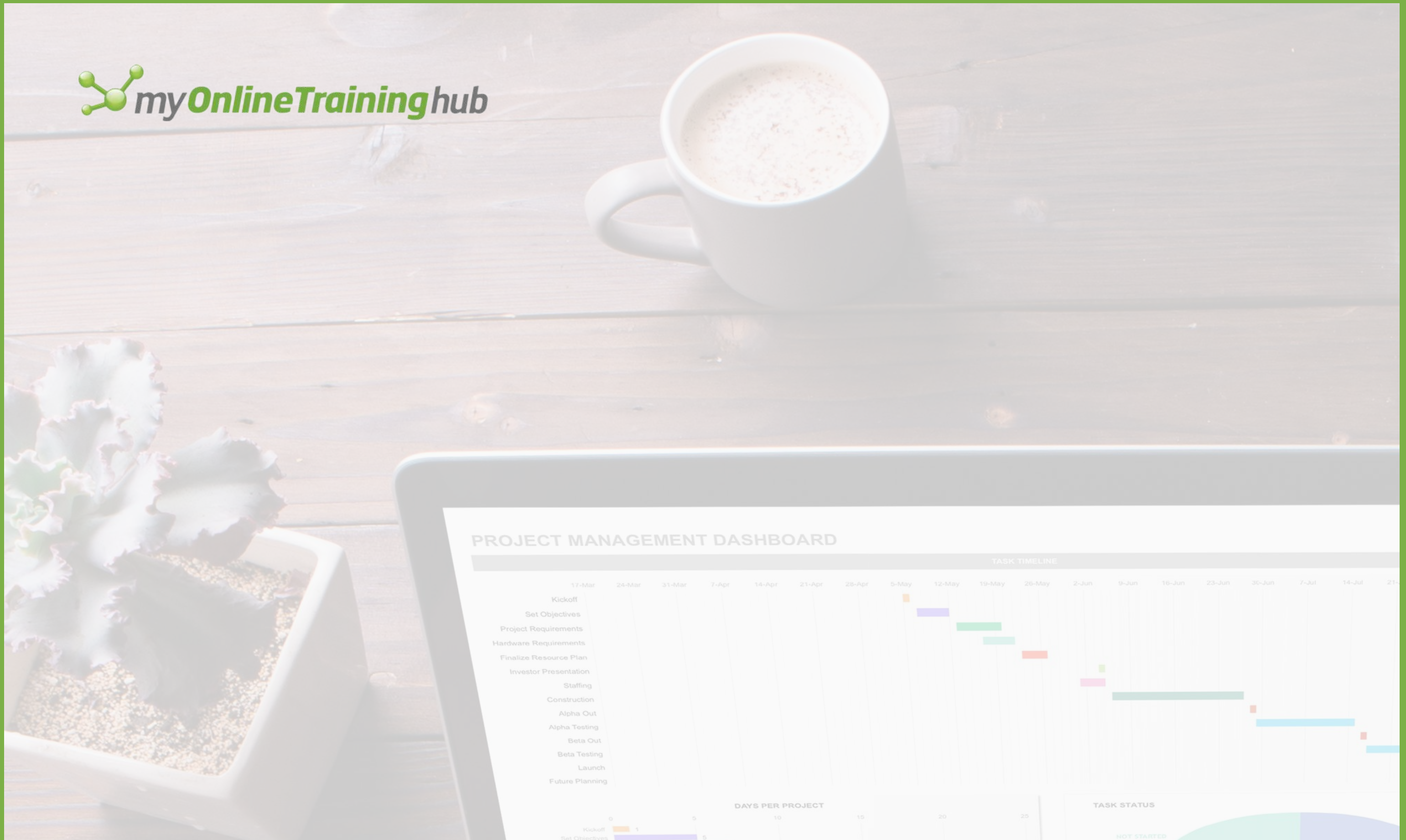
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Questions?

If you have any questions or feedback,
please contact me at:

<http://www.myonlinetraininghub.com/contact-us>
or mynda.treacy@myonlinetrainghub.com

You can find more Microsoft Office training (including Excel, Word and Outlook video tutorials) and resources at <http://www.MyOnlineTrainingHub.com>



KEYBOARD SHORTCUTS



KEYBOARD SHORTCUTS

ALT+= inserts a SUM formula.

CTRL+TAB switches between open Excel windows.

CTRL+A selects the entire worksheet. If the worksheet contains data, CTRL+A selects the current region. Pressing CTRL+A a second time selects the current region and its summary rows. Pressing CTRL+A a third time selects the entire worksheet.

CTRL+1 displays the *Format Cells* dialog box.

CTRL+SHIFT+" copies the value from the cell above the active cell into the cell or the Formula Bar.

F4 repeats an action, or if you're editing a cell and the cursor is in between the cell references it will insert the \$ signs for absolute references. Repeated pressing F4 will scroll through different levels of absolute references.

CTRL+Z uses the Undo command to reverse the last command or to delete the last entry that you typed.

CTRL+' copies a formula from the cell above the active cell into the cell or the Formula Bar.

CTRL+K opens the *Hyperlink* dialog box.

CTRL+F opens the *Find* dialog box.

CTRL+H opens the *Find & Replace* dialog box.

CTRL+N opens a new workbook.

CTRL+O displays the *Open* dialog box to open or find a file.

F2 Edits the active cell and positions the insertion point at the end of the cell contents. It also moves the insertion point into the Formula Bar when editing in a cell is turned off.

KEYBOARD SHORTCUTS

F7 Runs Spell Check on the entire worksheet if only one cell is selected, otherwise Spell Checks the selected range.

CTRL+SHIFT+F3 Inserts named ranges for an entire table automatically based on the column or row headings (your choice).

CTRL+P opens *Print* dialog box.

CTRL+S saves workbook.

CTRL+C copies the contents in the cell.

CTRL+X cuts the contents in the cell.

CTRL+V pastes recently cut or copied values on to the new cell

END key then Up or Down, or Left or Right Arrows

Move to end of a range of cells (column or row). Your selected cell will stop at any empty cell in the range, or if cells are empty it will stop at the next populated cell in the column or row.

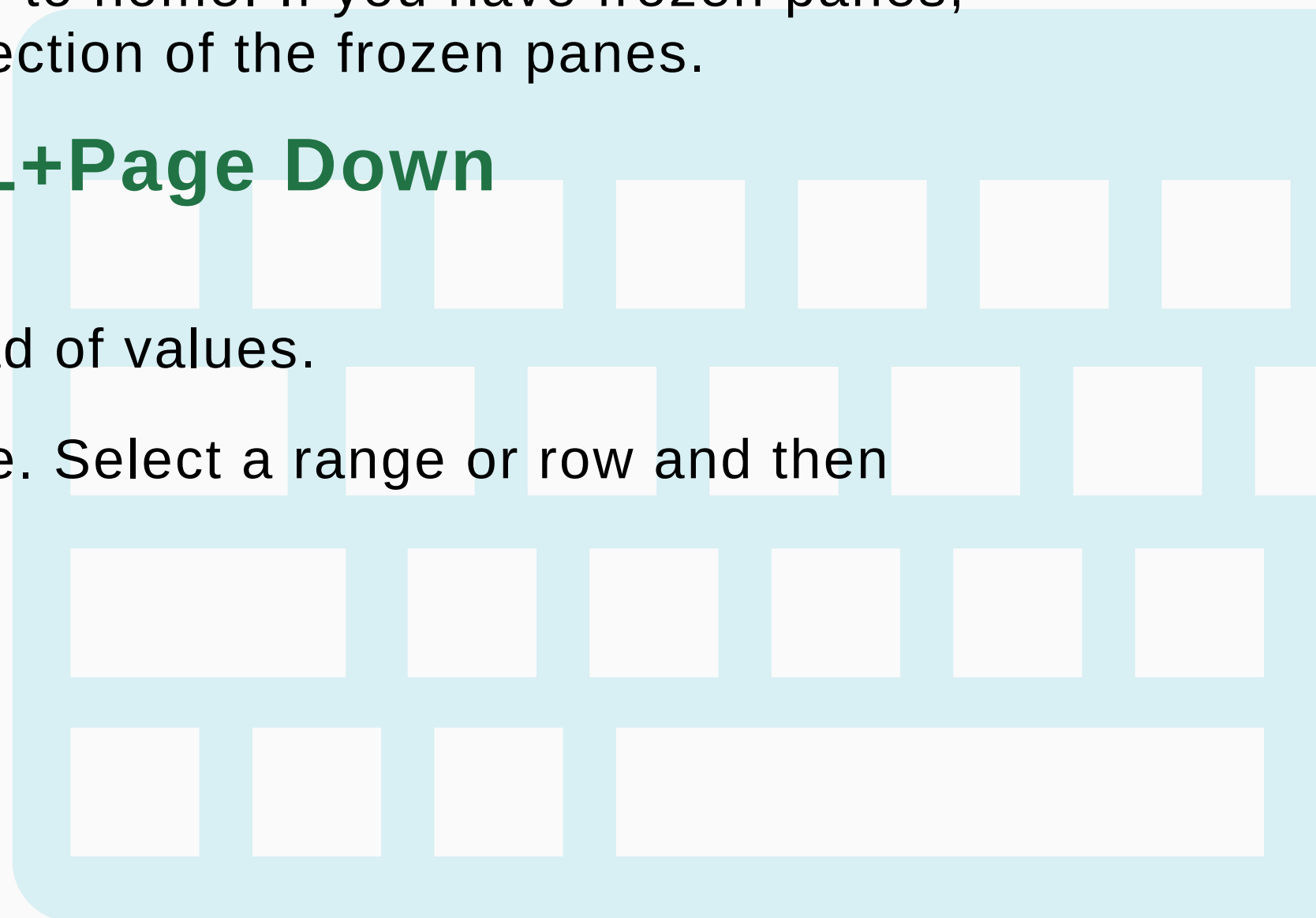
CTRL+HOME Quickly move to home. If you have frozen panes, your cursor will stop at the intersection of the frozen panes.

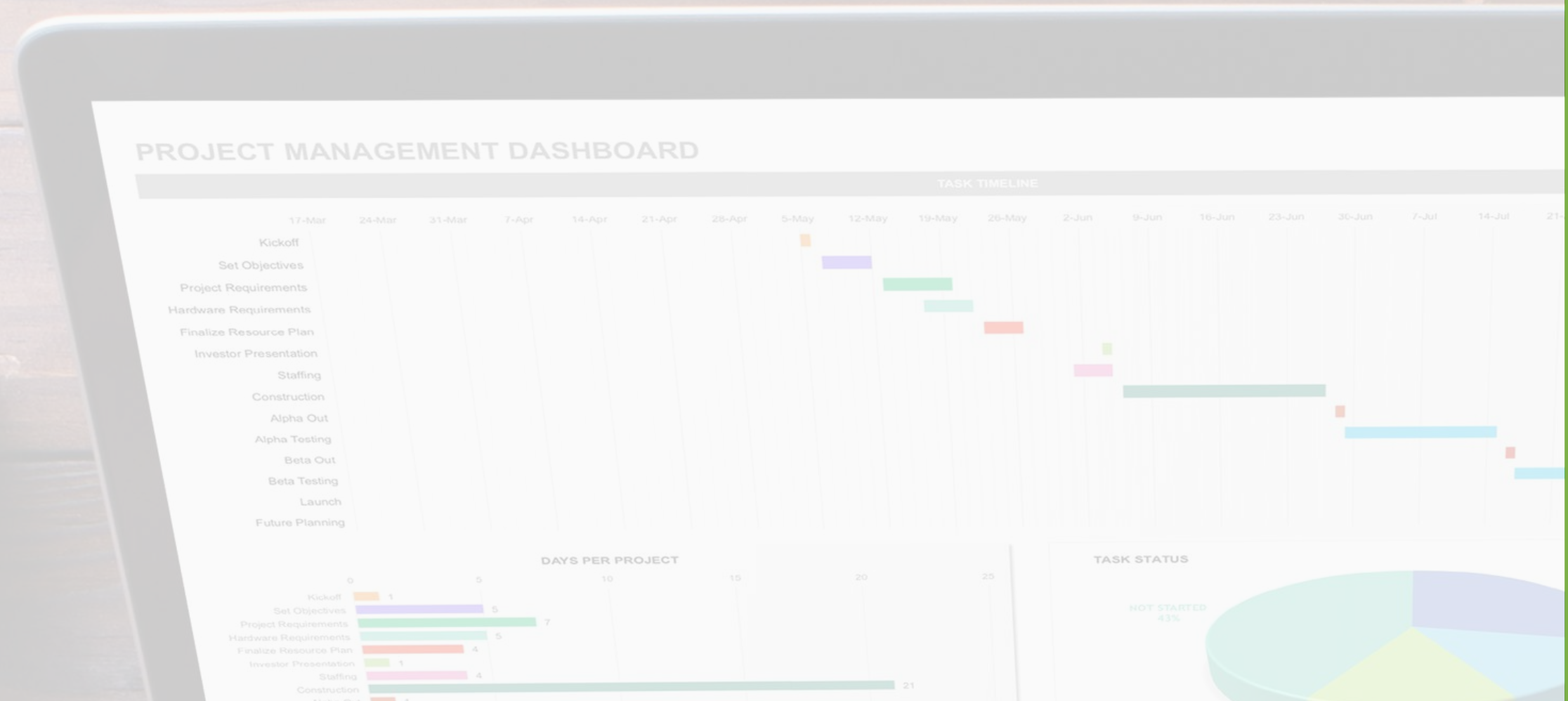
CTRL+Page Up or CTRL+Page Down

scroll between worksheets

CTRL+~ view formulas instead of values.

CTRL+D copies the cell above. Select a range or row and then CTRL+D to copy the row.





TIPS & TRICKS



TIPS & TRICKS

Transpose data

Copy data > Paste Special > Transpose

AutoFill a Series or Formulas

Double Click on the + symbol on the bottom right of a cell that is adjacent to the range you want to fill.

Before

	A	B
1	1	Monday
2	2	Tuesday
3	3	
4	4	

After

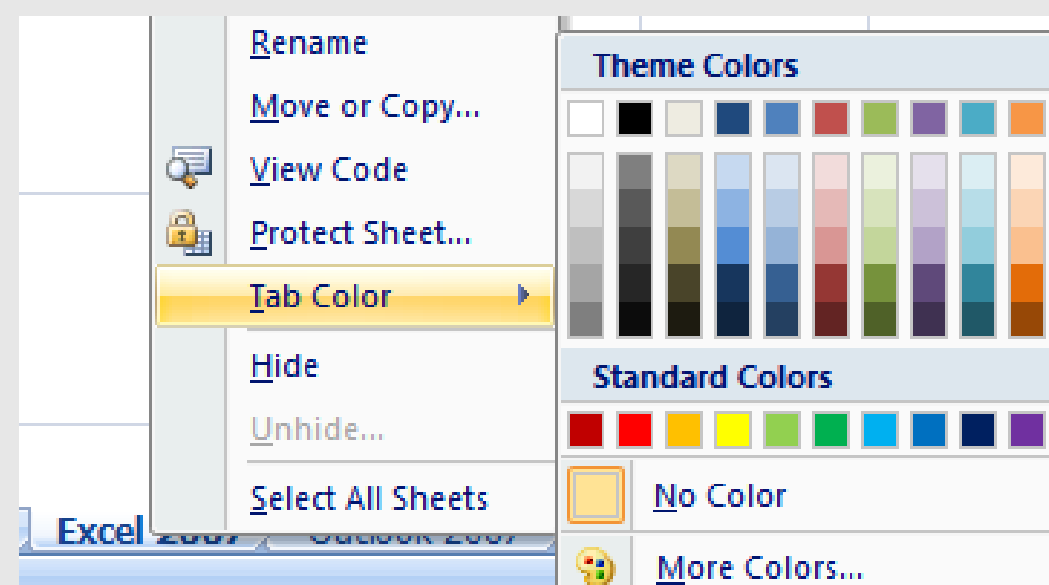
	A	B
1	1	Monday
2	2	Tuesday
3	3	Wednesday
4	4	Thursday

Use Format Painter more than once

Double Click the Format Painter and use it as many times as you like. When you're done press ESC. Only applies in Excel 2007 and higher.

Format Sheet Tab Colours

Right-Click mouse on Sheet Tab > Tab Colour.



Increase Numbers by Set Amount

Enter the figure you want to increase numbers by, say 10%, you'd enter 1.1. Copy the cell containing 1.1 > highlight the cells containing the numbers you want to increase > Paste Special > Multiply.



Bonus tip: convert negative values to positive by multiplying by -1 and vice versa.

Force a carriage return in a cell instead of wrapping the text

ALT+ENTER while editing the cell.

TIPS & TRICKS

Combine Text from Multiple Cells

Enter your formula with the ampersand ‘&’ between the cell references e.g. =A1&A2&A3 will add the text in cell A1, A2 and A3 together. Note: if you want to add a space between the text from each cell enter your formula like this:

=A1&" "&A2&" "&A3 Where the " " is adding a space.

Delete blank cells in a row or column

Highlight the column or row containing cells you want to delete. Press CTRL+G to open the Go To Dialog Box > Special > Blanks. Delete cells, rows or columns.

Fill blank cells in a row or column

Highlight the column or row containing cells you want to fill. Press CTRL+G to open the Go To Dialog Box > Special > Blanks. Enter the text or formula you want to insert > press CTRL+ENTER to enter the text/formula in every blank cell.

Copy & Paste visible cells only

In a filtered list of data copy the list > Paste Special > Skip Blanks. Or if your list isn't filtered use Go To Special to select visible cells only: CTRL+G > Special > Visible Cells Only > Paste.

Use Named Ranges in your formulas

To make them easier to build and read when you come back to your workbook weeks or months later.

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Named Ranges



TIPS & TRICKS

Insert custom cell formats

The first column **Custom Cell Formats** indicate the category; the second column **Text before Formatting** shows the text before the format is applied. **Custom Format** column shows the exact characters to be inputted on the cell and the **Formatted Text** column shows the result after applying the custom format.

Custom Cell Formats	Text Before Formatting	Custom Format	Formatted Text
Brackets for negative values	-500	#,##0;(#,##0)	(500)
Red and brackets for negative values	-500	#,##0.00;[Red](#,##0.00)	(500.00)
Day of the week in full	27/03/2010	dddd	Saturday
Day, date, month and year	27/03/2010	ddd dd mmm yyyy	Sat 27 Mar 2010
Month	27/03/2010	mmmm	March
Phone Numbers	755551234	00 0000 0000	07 5555 1234
Phone Numbers with Brackets	755551234	(00) 0000 0000	(07) 5555 1234
Fractions	10.5	# ??/??	10 1/2


For more custom cell formats click the link below:

<http://www.myonlinetraininghub.com/excel-custom-cell-formats>

TIPS & TRICKS

Move, Insert, and Copy columns, rows, and cells using the Mouse + SHIFT or CTRL

Move column, row or cells

Select the range of cells, column(s) or row(s) > hover your mouse over the edge of your selected range of cells (or columns or rows) > when the mouse pointer changes to a 4 pointed arrow  left click the mouse and hold down while you drag your cells to a new location.

	A	B
1	Number	Day
2	1	Monday
3	2	Tuesday
4	3	Wednesday
5	4	Thursday
6		
7		

Move and insert column, row or cells

Similar to the instructions on the left, except also hold down the SHIFT key while hovering your mouse over the edge of the selected area. Then drag the cells (while holding down the SHIFT key) and insert then in a new location.

	A	B
1	Number	Day
2	1	Monday
3	2	Tuesday
4	3	Wednesday
5	4	Thursday
6		
7		

Note: these mouse pointers may appear different on your PC if you have a different operating system or have customised how your mouse appears. Not to worry, the shortcuts above will still work as described.

Copy and paste a column, row or cells

Similar to above, except hold down the CTRL key while hovering your mouse over the edge of the selected area. Then drag the cells (while holding down the CTRL key) and release the mouse where you want to paste the data.

Copy and insert a column, row or cells

Similar to above, except hold down the CTRL+SHIFT keys while hovering your mouse over the edge of the selected area. Then drag the cells (while holding down the CTRL+SHIFT keys) and release the mouse where you want to insert your data.

For more custom cell formats click the link below:

<http://www.myonlinetraininghub.com/excel-custom-cell-formats>

TIPS & TRICKS

Apply different formats within one cell

Could be different fonts, font colours, styles etc. Select the cell you want to format > F2 to edit the cell > highlight the text you want to change > For Excel 2007+ use the formatting tools on the Home tab of the ribbon or for Excel 2003 use the formatting icons on the toolbar.

Quickly enter links to a range of cells

Copy cells you want to link to
> Paste Special > Paste Links.

Convert formulas to values

Copy cells containing formulas >
Paste Special > Paste Values

Copy formulas only

Copy cell containing formula you want to copy > Paste Special > Paste Formulas.

Freeze rows and or columns

So that headings stay in place while you scroll down the worksheet, place your cursor at the intersection of the rows/columns you want fixed in place i.e. Frozen then

For Excel 2003 > Window > Freeze Panes
For Excel 2007+ > View tab of the ribbon > Freeze Panes

TIPS & TRICKS

Want to tamper-proof your workbook?

Hide worksheet tabs > Windows Button > Excel Options > Advanced > Display Options > uncheck 'Show sheet tabs'.

Hide row and column headers > Windows Button > Excel Options > Advanced > Display Options for this workbook > uncheck 'Show row and column headers' or View tab of the ribbon > uncheck 'Headings' in the Show/Hide group.

Hide the formula bar > View tab of the ribbon > uncheck 'Formula Bar' in the Show/Hide group.

Synchronous Scrolling

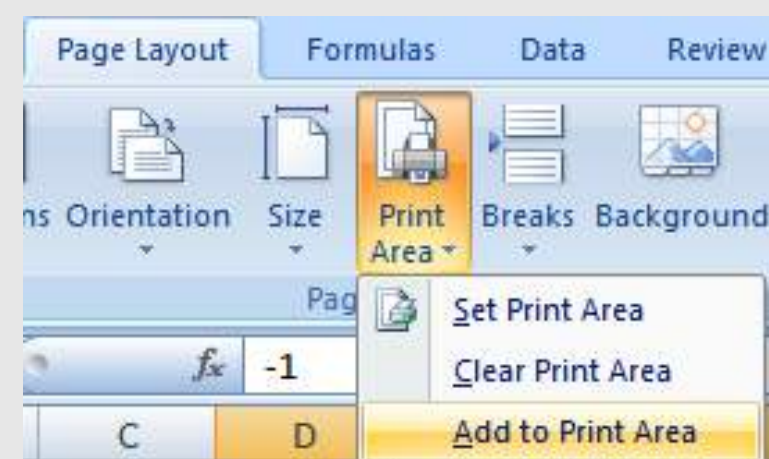
Want to compare two workbooks and have them both scroll at the same time? With two workbooks open:

For Excel 2003 > Window > Compare Side by Side > Synchronous Scrolling

For Excel 2007+ > View tab of the ribbon > View side by side > Synchronous Scrolling

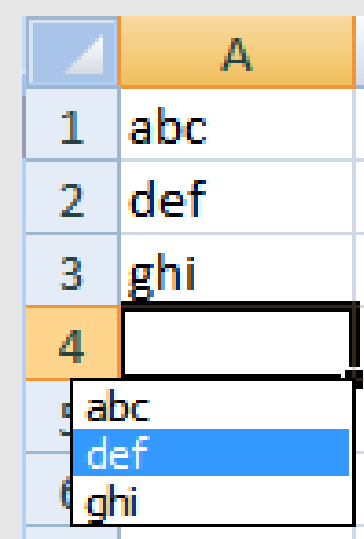
Add non-contiguous print areas (Excel 2007+ only)

Set first print area, then select second print area and on the Page Layout tab of the ribbon select 'Add to print area'. Each print range will print on a separate page



Pick from a list of existing values

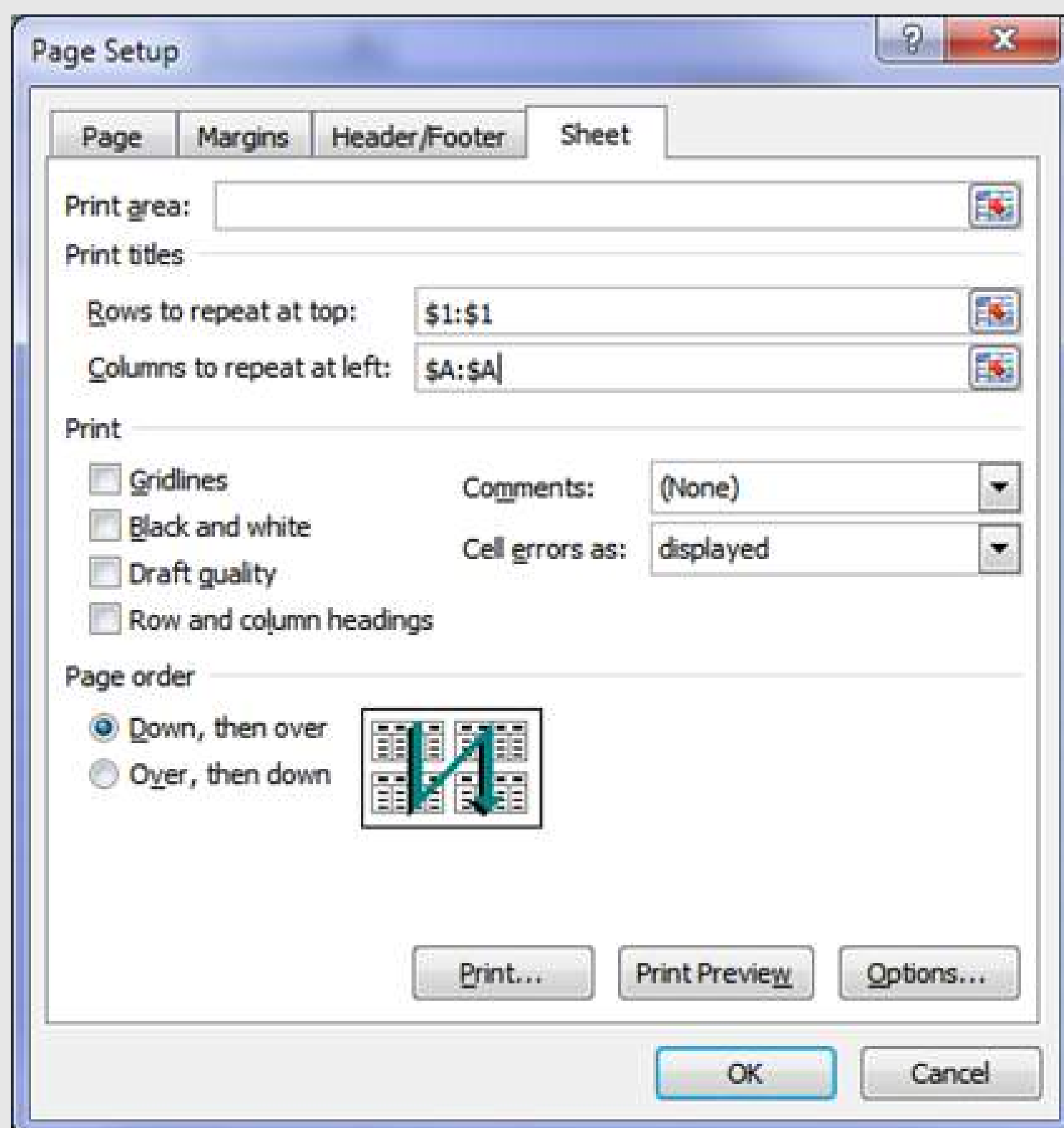
In the cell under your data hold down ALT + Down Arrow - Excel will give you a list of values to choose from. Use the arrow keys to select the one you want and press ENTER to insert it.



TIPS & TRICKS

Print titles on each page automatically

On the Page Layout tab of the ribbon select Print Titles. This will open the Page Setup dialog box. Enter your rows and or columns you want repeated in the boxes highlighted below by clicking in the box and then clicking on the row or column header on your worksheet.



Absolute References

Understanding Absolute References is essential to working with formulas in Excel. Remember: use the F4 tip in the keyboard shortcuts when working with absolute references.



TIPS & TRICKS

Quickly SUM a range of cells

Select entire table (or it could be just a row or column of values) plus the blank cells you want your SUM formula in, then press the ALT+= keys.

Before pressing ALT+=

	A	B	C	D	E	F	G	H	I
1		Mon	Tue	Wed	Thu	Fri	Sat	Sun	Total
2	Jane	54	44	30	26	36	65	61	
3	John	65	26	31	34	39	46	46	
4	Jim	28	60	32	42	46	46	48	
5	Jack	57	33	50	30	45	60	66	
6	Total								

These are the blank cells where the SUM formula will be inserted.

After pressing ALT+=

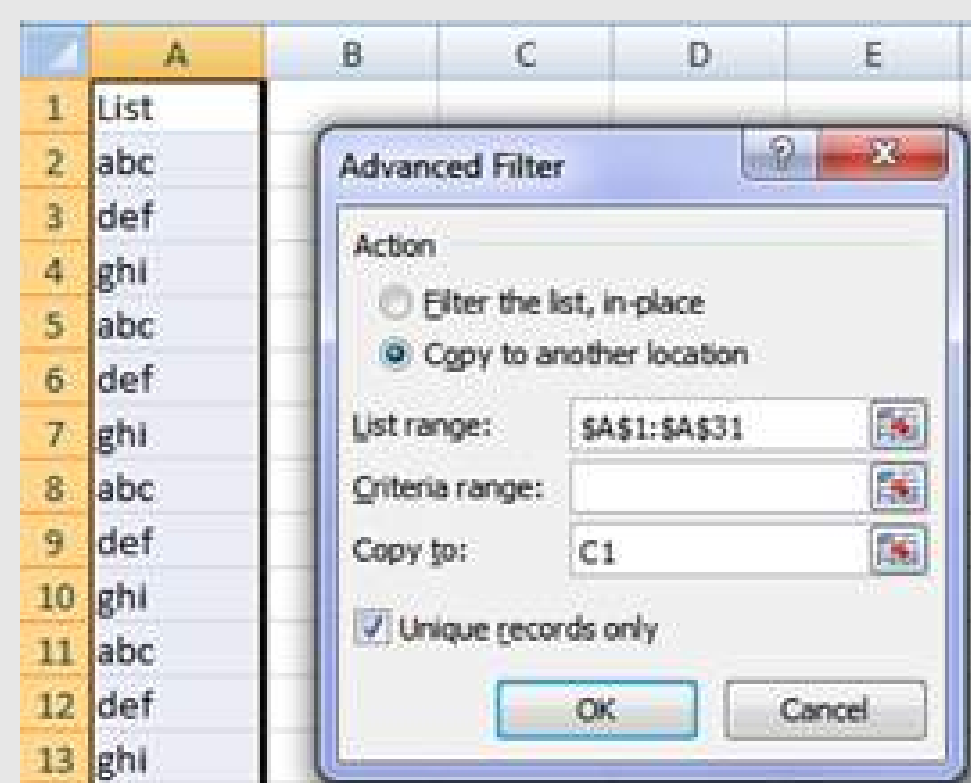
	A	B	C	D	E	F	G	H	I
1		Mon	Tue	Wed	Thu	Fri	Sat	Sun	Total
2	Jane	41	49	39	46	25	51	33	284
3	John	58	57	36	25	47	29	30	282
4	Jim	27	56	43	46	46	63	50	331
5	Jack	65	65	48	54	65	62	38	397
6	Total	191	227	166	171	183	205	151	1197

Now see formulas that were inserted.

Generate a unique list of values from a range

Select the range > Data > Filter > Advanced Filter > Unique Records Only.

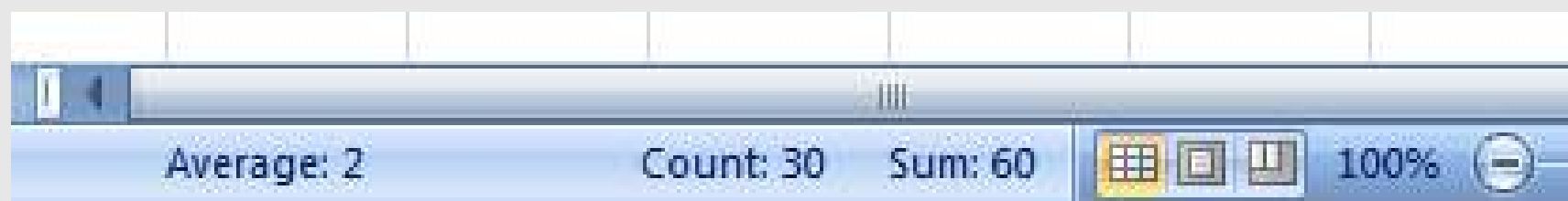
Note: select if you want to copy it to a new location or replace the existing data by selecting 'Copy to another location' and then inserting the 'Copy to' cell reference



TIPS & TRICKS

Use the AutoCalculate Menu

To get a quick sum, average, or count, in the bottom right of your Excel window, right click on the area to alternate view Min, Max and more. Select the range of cells you want to sum/average/count. Hold down CTRL to select non-contiguous ranges.

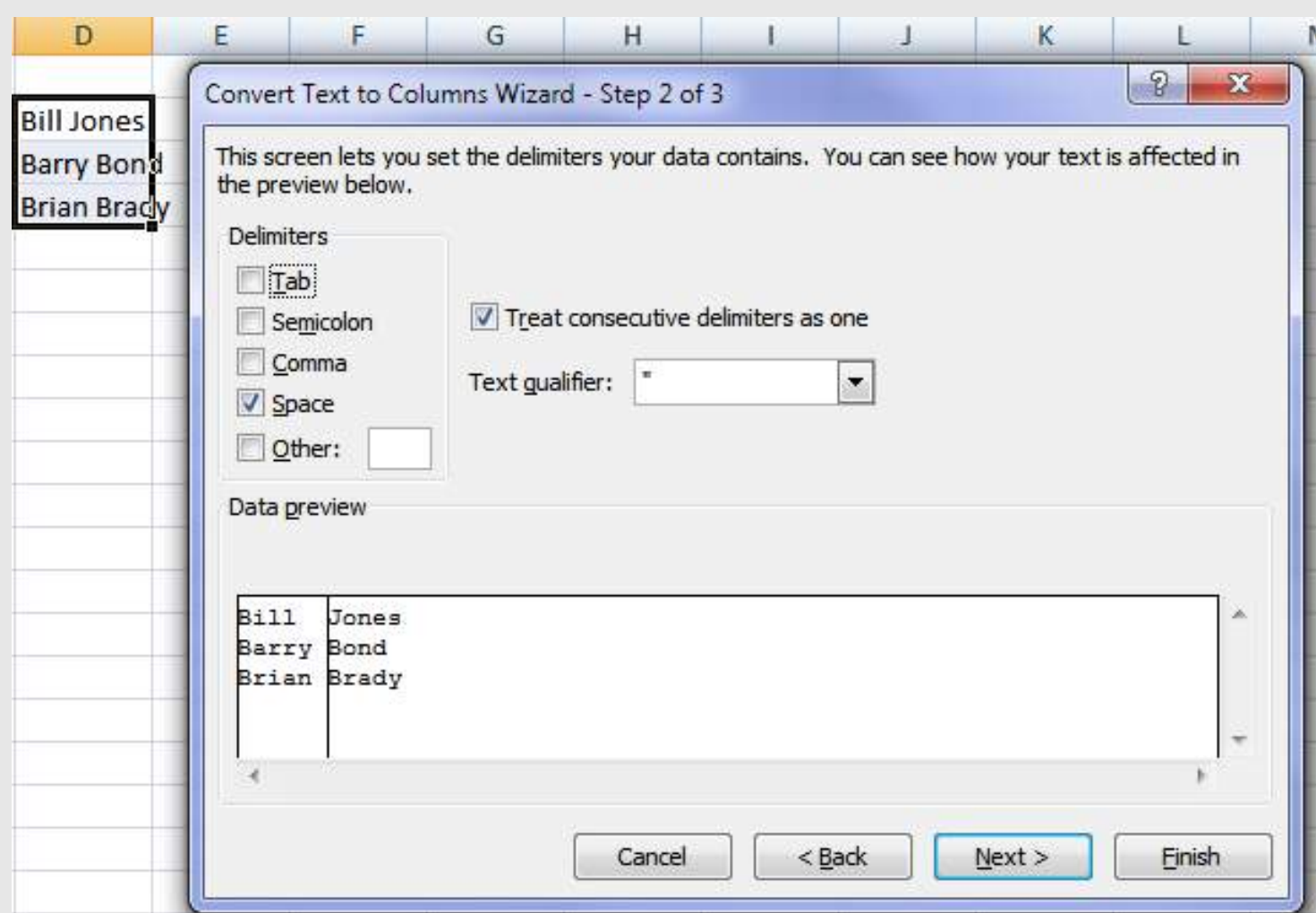


You don't have to start your formulas with =

If you're a fan of the number keypad and arrow keys then it's sometimes inconvenient to move your hand across to the = symbol every time you want to enter a formula. If you start a formula with + or - Excel will put the = sign in for you when you press ENTER. After pressing ENTER your formula will look like this =+A1+A2 or =-A1+A2 which is perfectly fine.

Use Text to Columns to separate a column of data containing first names and last names

Let's say you have First Names and Last Names separated by a space in column A. Select the cells > Data > Text to Columns > Delimited > Next > Choose Delimiter (space in this example) > Next > Select data format and Destination > Finish



TIPS & TRICKS

Center Across Selection

Instead of Merging Cells, which puts limits on inserting and deleted columns and rows among other things, simply format the cells alignment to 'Center across selection'. CTRL+1 to open Format Cells dialog box > Alignment tab > Horizontal Text Alignment set to 'Center across selection'.

Find the number of days between two dates

Enter your dates in this formula inside double quotes ="20/6/2011"-
"28/10/2006" Result = 1696

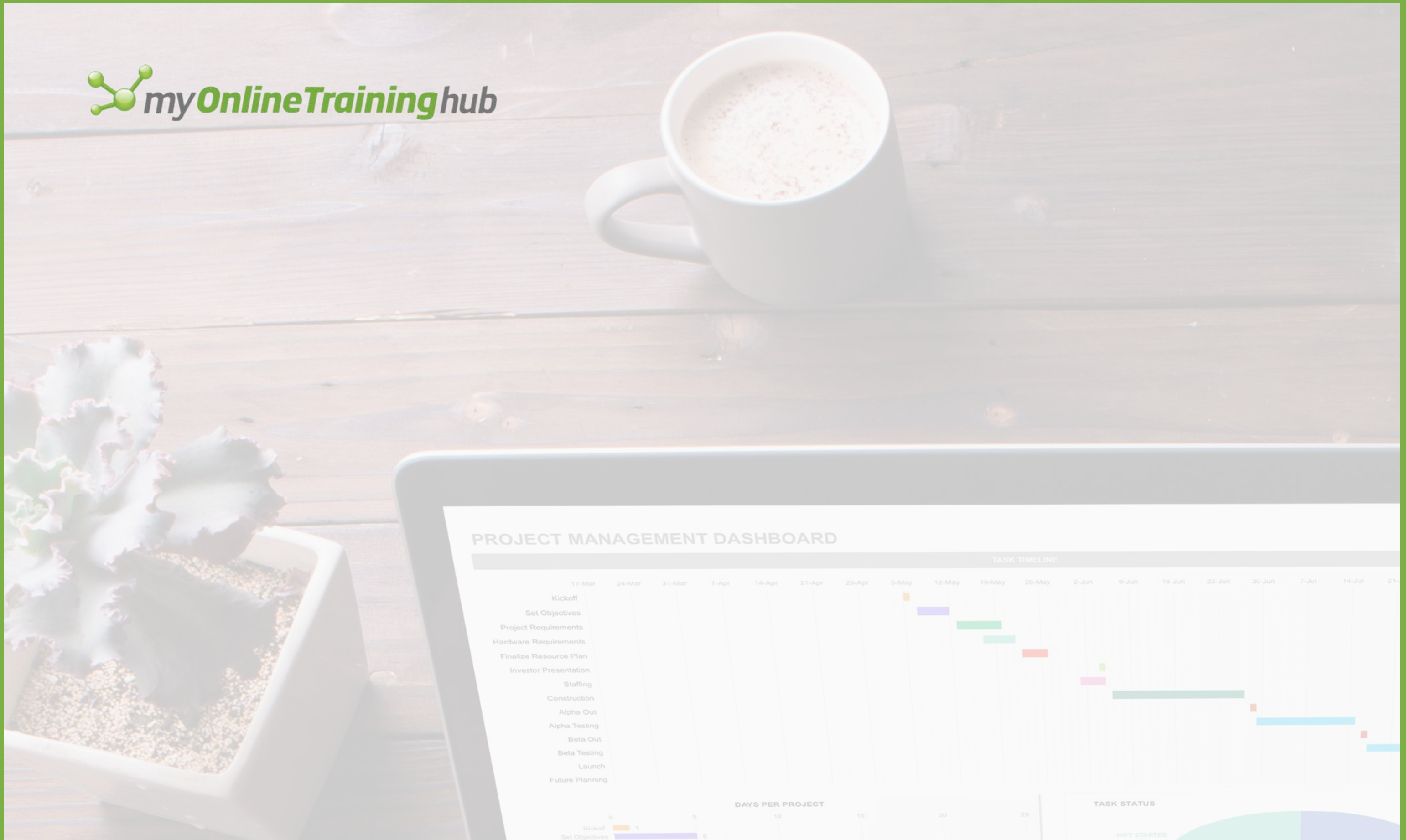
Move quickly to the end of a range of cells

Select a cell in the range > move your mouse to the edge of the cell until your mouse pointer changes to a 4 headed arrow > double click. You can do this on any edge of the cell to move in the direction of your choice.

Fill Handle Cool Tricks

Most of us know that you can left-click the mouse and drag the fill handle to fill a series (the fill handle is when your mouse pointer changes to a + symbol when hovered over the bottom right of the cell range – see image), but have you tried right-clicking the mouse while you drag the fill handle? There are myriad choices when you do this, so have a go and experiment.

	A	B
1		1 Monday
2		2 Tuesday
3		3
4		4



MUST-KNOW FORMULAS



MUST-KNOW FORMULAS

IF Learning how to write an IF statement increases the power and functionality of Excel ten fold.


 **IF statement**


 **Nested IF statement**

Nested IF Statements
for extra credit:

IF, OR, and AND

know these and you're unstoppable!

 **IF, OR, and AND**


 **VLOOKUP Exact Match**

VLOOKUP Exact Match

Most people only know one way to do a VLOOKUP, but I'm going to let you in on a secret; there are two ways...actually there are many more than two ways but these two methods will allow you to do most things you want.

VLOOKUP Sorted List

This is the other way to do a VLOOKUP.

 **VLOOKUP Sorted List**

 **SUMIF and SUMIFS**

SUMIF and SUMIFS

for Excel 2007+ users – Like the IF statement but for SUM. Excel also has AVERAGEIF and AVERAGEIFS which work the same as the SUM only they Average.

COUNTIF and COUNTIFS

for Excel 2007+ users – similar to SUMIF only since it's only counting it's slightly different.

 **COUNTIF and COUNTIFS**

MUST-KNOW FORMULAS

COUNTA

COUNTIF counts number values, but if you want to count text, use COUNTA.

SUBTOTAL

most people don't know the power of SUBTOTAL, let alone that it exists.


Subtotal
**Rounding
Numbers**

ROUND, ROUNDUP, ROUNDDOWN

Before long you'll need to round your numbers with more accuracy than simply formatting the font.

IFERROR

Once you start using some of the formulas above you're likely to have errors returned. If you're expecting errors and want to hide them you can use the IFERROR formula (Excel 2007+ only).


IFERROR
**MIN, MAX, SMALL,
LARGE**

MIN, MAX, SMALL and LARGE

These may seem straight forward, but I'll show you a few tricks that you won't find in the Excel Help Files.

MUST-KNOW FORMULAS

UPPER, LOWER and PROPER

Fix text that isn't formatted as you want. Change all CAPITALS to all Lower, or make the first letter in each word a capital (PROPER).

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UPPER, LOWER,
PROPER

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TRIM FUNCTION

TRIM, CHAR and SUBSTITUTE

Get rid of extra spaces in your text and SUBSTITUTE text with something else.

Time Calculations

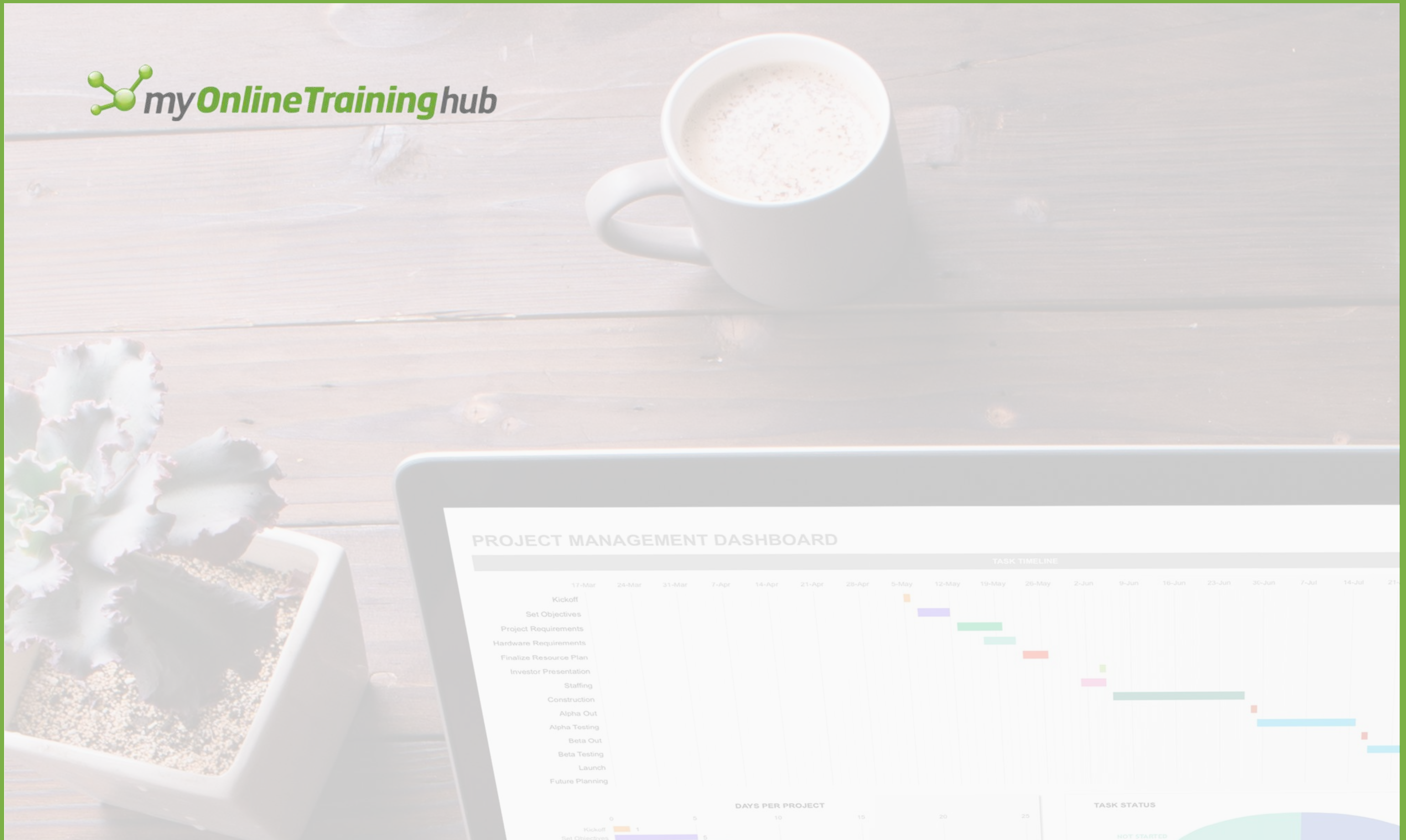
Most people at some stage or another need to calculate time in Excel, but if you don't understand how Excel treats time you'll find it infuriating!

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CALCULATING
TIME

NOW() and TODAY()

Simply type =NOW() in a cell and you will get the date and time as per your computer clock or =TODAY() will give you the date only. Handy for date/time stamping your printed reports.



POWER FORMULAS



POWER FORMULAS

INDEX AND MATCH

With these powerful formulas combined you can get around the limitations of VLOOKUP and look up columns to the left.



INDEX & MATCH



CHOOSE

CHOOSE

This function isn't much use on its own but it's powerful when you use it with other formulas, like the VLOOKUP.

VLOOKUP with CHOOSE

An alternative to INDEX and MATCH that enables you to get around VLOOKUP not allowing you to lookup columns to the left.



VLOOKUP with
CHOOSE



OFFSET

OFFSET

Tired of having to update your totals to incorporate new rows? This is one great feature of the OFFSET function, but it has many more uses.

POWER FORMULAS

SUMPRODUCT

This is a great alternative to SUMIFS, COUNTIFS and AVERAGEIFS for those Excel users still stuck with 2003. If you're an Excel 2007 or 2010 user SUMPRODUCT is one formula that will take you to the heady heights Excel Guru.


ARRAY FORMULAS

ARRAY FORMULAS

Similar to SUMPRODUCT, but you can use some of the existing functions in an array formula to increase their capability. These are for people serious about getting the most out of Excel.

FLOOR and CEILING

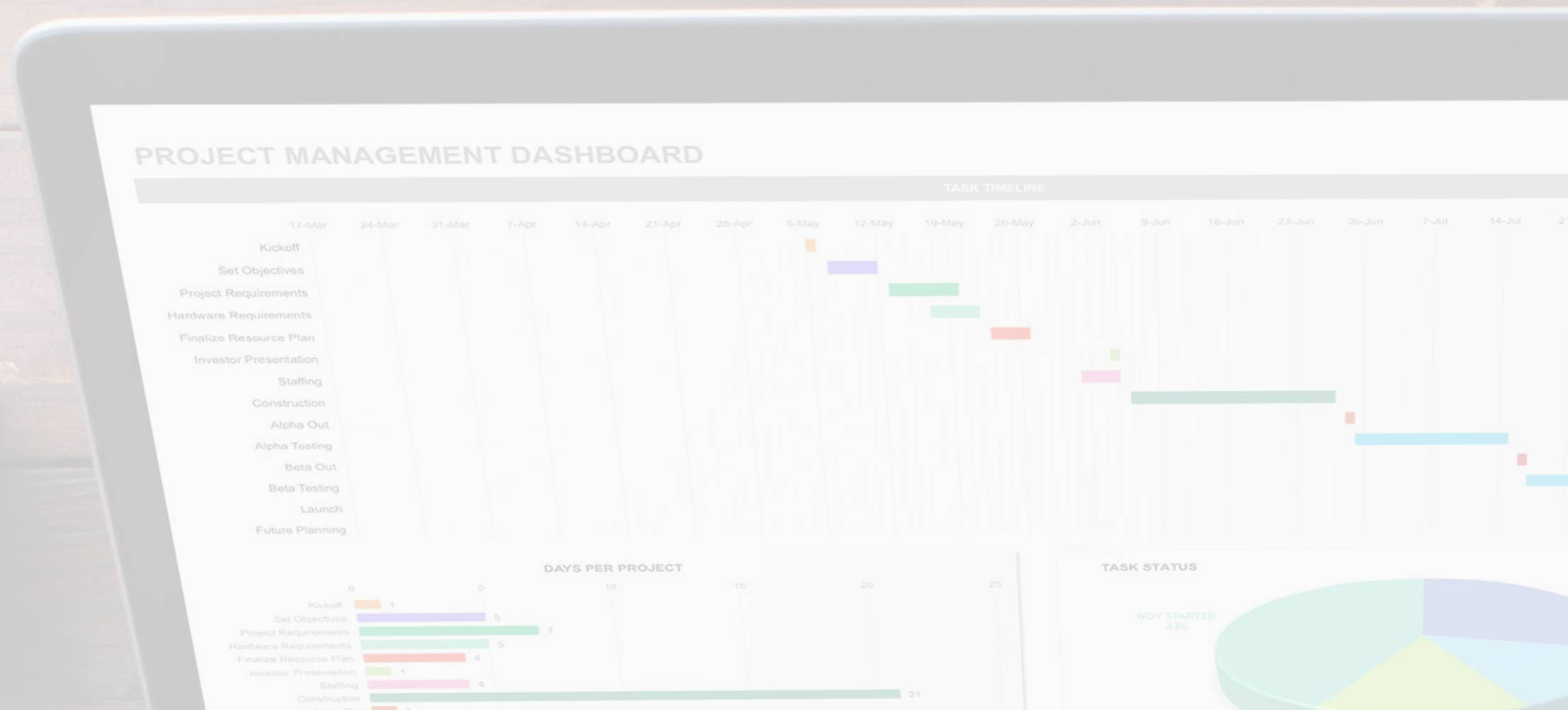
If calculating prices is something you do in Excel and you want to round them to end in 99 cents or 97 cents then the FLOOR function is your best friend.


RAND and
RANDBETWEEN

RAND and RANDBETWEEN

Generating random data is something I do regularly as I need to create data to support the tutorials I write, but you could also use it in your work to do the same, or team it with CHOOSE and use it to choose random values from a list. Read the tutorial for more examples:


SUMPRODUCT
FLOOR AND
CEILING



COOL TOOLS



COOL TOOLS

Shapes and SmartArt

Shapes and SmartArt

In Excel 2007+ the sophistication of Shapes and SmartArt can give your workbooks and reports a truly professional finish. Don't be surprised if people think you got a graphic designer involved.



Camera Tool

You won't find any mention of the camera tool in a standard Excel course. After all you won't even find it in the tool bar or ribbon. It's handy if you only have one monitor and pine for two, or if you want to create dashboards with lots of small charts.

Camera Tool

Conditional Formatting

8	580	4,640
5	425	2,125
1	639	639
6	685	4,110
3	323	969
2	401	802

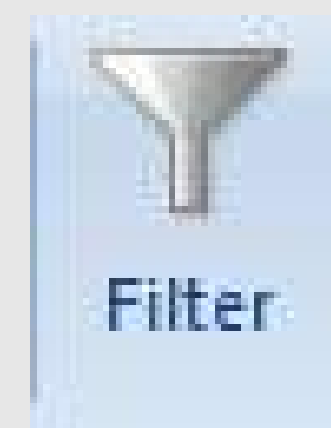
Conditional Formatting

In Excel 2007+ Conditional Formatting is substantially improved. Use it to bring life to your drab data, make highlighting duplicates instant and much more.

Filters

Filters

If you work with large amounts of data then Filters can give you instant data mining abilities. You can also use them in conjunction with Conditional Formatting.



Drop Down Lists

or Data Validation as it's called in Excel. If you build forms or reports for other's to use Data Validation can make them more interactive and reduce the chances of the wrong data being filled out.

Drop Down Lists

COOL TOOLS

Insert Subtotals

unlike the SUBTOTAL function mentioned earlier, this tool actually identifies changes in your data and inserts subtotals where you want.



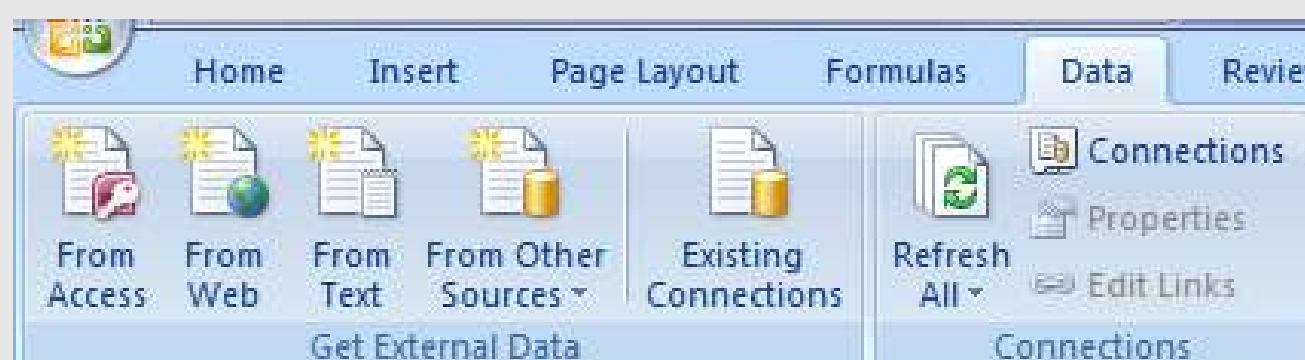
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Outlines

Outlines

The subtotal tool above inserts outlines automatically for you when it inserts the subtotals, but you can insert outlines yourself using the Group and Ungroup tools. I love using these instead of hiding columns and rows as it allows me to hide and unhide again at the click of only one button.

Importing Data Into Excel

You can import data from the Web, an Access Database, text or CSV files and more. Once you create the link to the data you're importing you can update it as frequently as every minute, to every time you open the workbook.

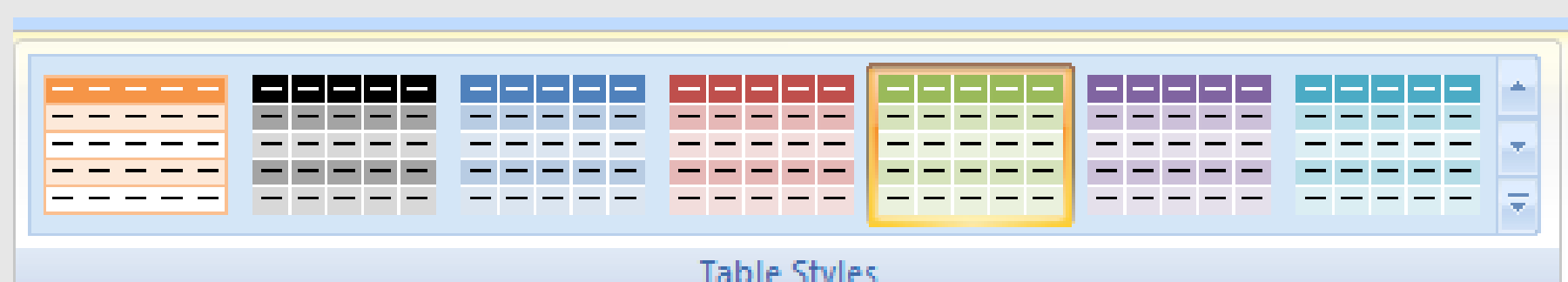


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Importing Data

Excel Tables

In Excel 2007 tables are vastly improved. Formatting your data in a Table allows you to add to the content and have any formulas or pivot tables that reference the data automatically pick up the new cells. Plus there's a range of other benefits like great predefined formatting and more.

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Excel Tables

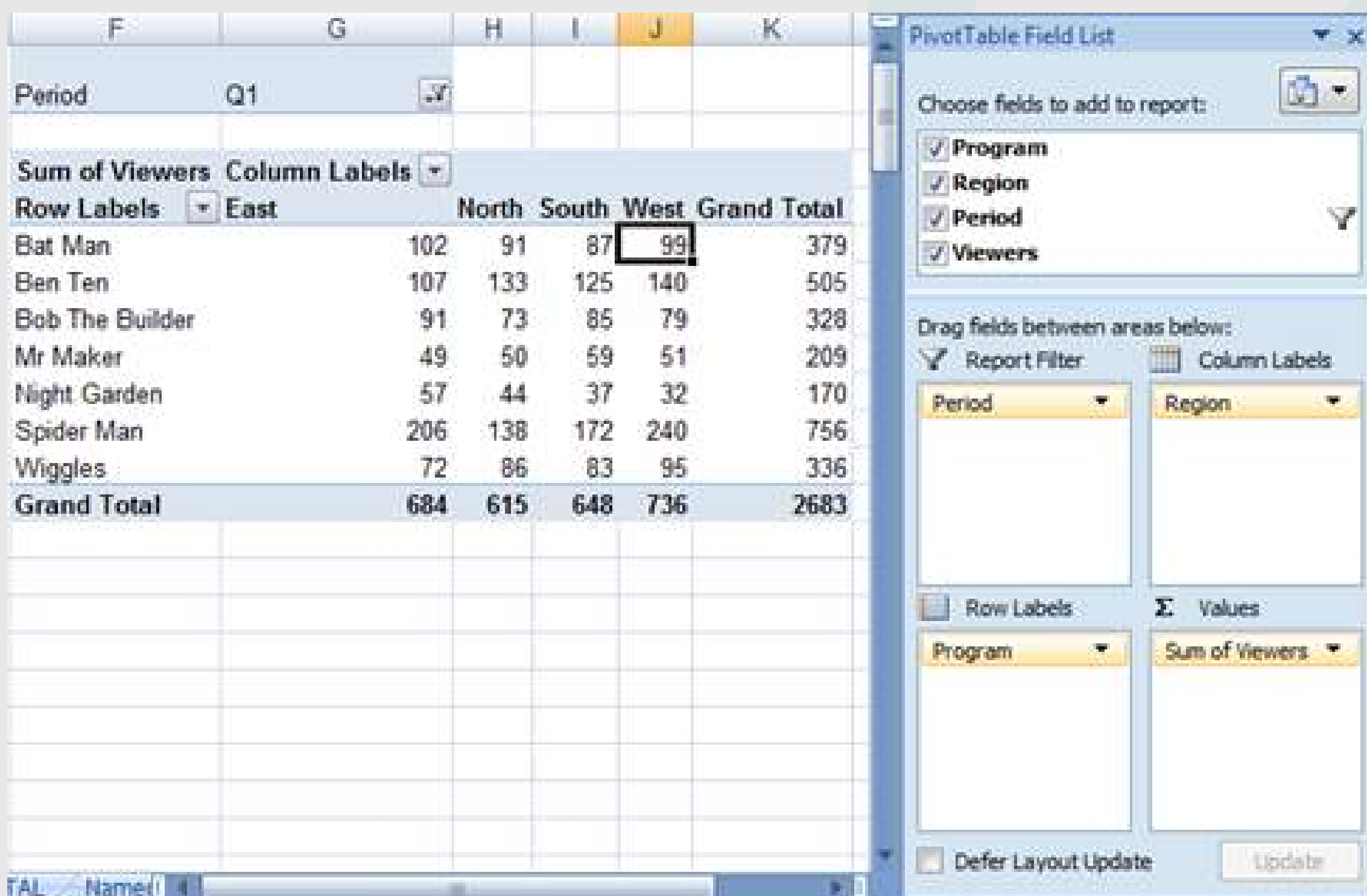


COOL TOOLS

PivotTables

A lot of people are afraid of PivotTables, but they really are quite simple once you understand the basics. If you work with large amounts of data PivotTables can create dynamic reports in seconds from tens of thousands of rows

Pivot Tables



Period	Q1				
Sum of Viewers	Column Labels				
Row Labels	East	North	South	West	Grand Total
Bat Man	102	91	87	99	379
Ben Ten	107	133	125	140	505
Bob The Builder	91	73	85	79	328
Mr Maker	49	50	59	51	209
Night Garden	57	44	37	32	170
Spider Man	206	138	172	240	756
Wiggles	72	86	83	95	336
Grand Total	684	615	648	736	2683

PivotTable Field List

Choose fields to add to report:

- ☒ Program
- ☒ Region
- ☒ Period
- ☒ Viewers

Drag fields between areas below:

Report Filter: Period

Column Labels: Region

Row Labels: Program

Σ Values: Sum of Viewers

☐ Defer Layout Update

EXCEL TIPS & TRICKS

Thank you for taking the time to read these Tips & Tricks. Enjoy using your new Excel powers. Feel free to [email me](#) with feedback or ideas.

Kind regards,



SHARE THE KNOWLEDGE

Now that you have read the whole book, please forward it to your friends and colleagues and share the knowledge. Please just make sure you follow the conditions below.

You have permission to share this e-book via email, printed or even post it on your website, Facebook account, Twitter or LinkedIn. The only conditions are:

1. You don't charge anyone money for it. That's my right.
2. You don't change, edit, or alter the digital format or contents.
3. All links must remain in place.

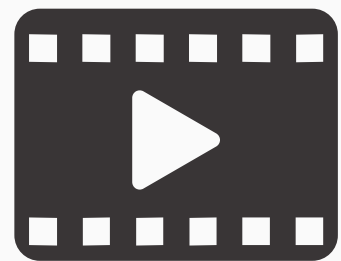
My hope for this e-book is that you ***please share it with as many people as possible***, and by sharing the knowledge many more people will love Excel and love their work.



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VIDEO TRAINING

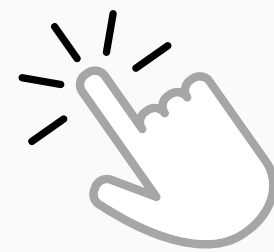


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Questions?

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please contact me at:

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or mynda.treacy@myonlinetraininghub.com

