

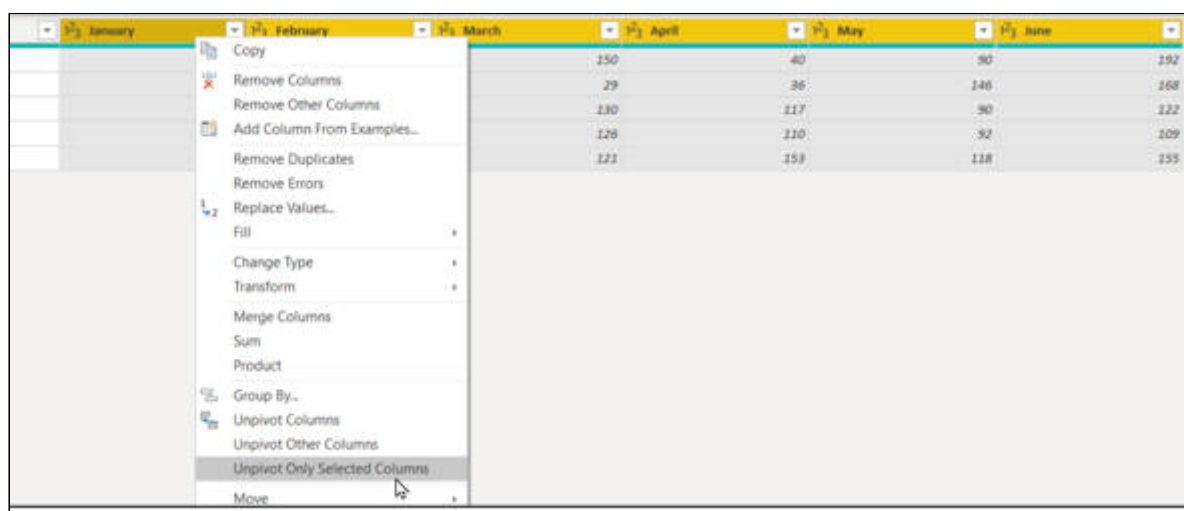
This exercise covers unpivoting data, changing data sources and more besides! To begin with, create a new report and load the data in the **First Half.xlsx** workbook.

User Query Editor to tidy up this data so that you have something like this:

Task	January	February	March	April	May	June
Stuffing	114	77	150	40	90	192
Skinning	154	200	29	36	146	168
Furring	119	95	130	117	90	122
Accessorising	153	181	126	110	92	109
Packing	92	29	121	153	118	155

You'll need to remove the top row, then make the new top row into the row headers.

Choose the following option to unpivot the monthly data:



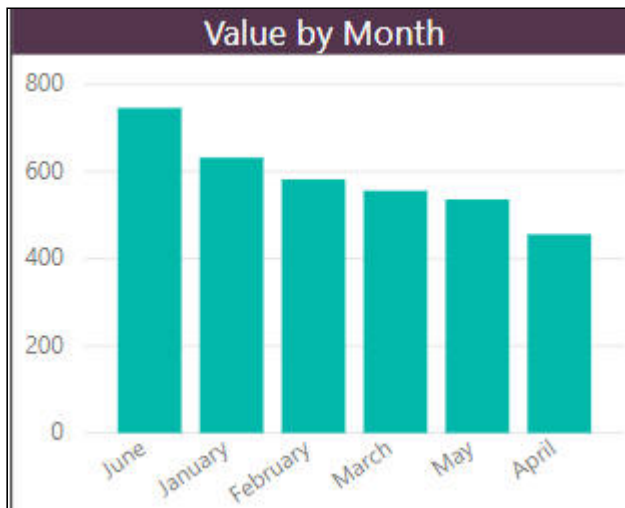
Choose to unpivot the months of data.

After a bit of renaming, you should have this table in Power BI:

Task	Month	Value
Stuffing	January	114
Stuffing	February	77
Stuffing	March	150
Stuffing	April	40
Stuffing	May	90
Stuffing	June	192

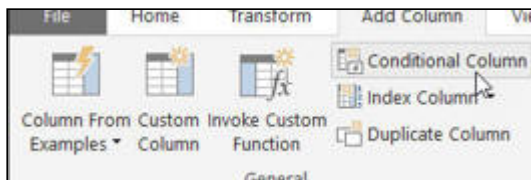
The start of the table of unpivoted data.

Use this to create a chart showing value by month:



The problem is that we want to sort the months correctly, but to do that you'll need to assign numbers to them.

Go back to **Query Editor** and add a conditional column:



The option to add a conditional column, returning the correct month number for each row.

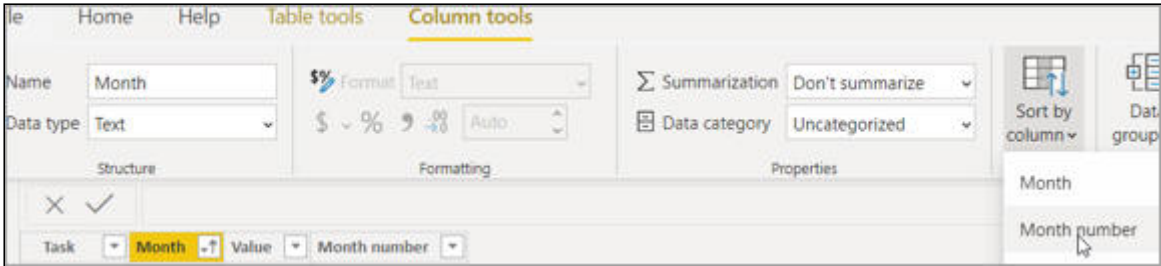
This should give you something like this:

ABC	Month	1.2	Value	ABC	Month number
	January		114	123	1
	February		77		2
	March		150		3
	April		40		4
	May		90		5
	June		192		6
	January		154		1

After painstakingly typing in the 6 possible conditions and results, you should have a column turning a month name into a number.

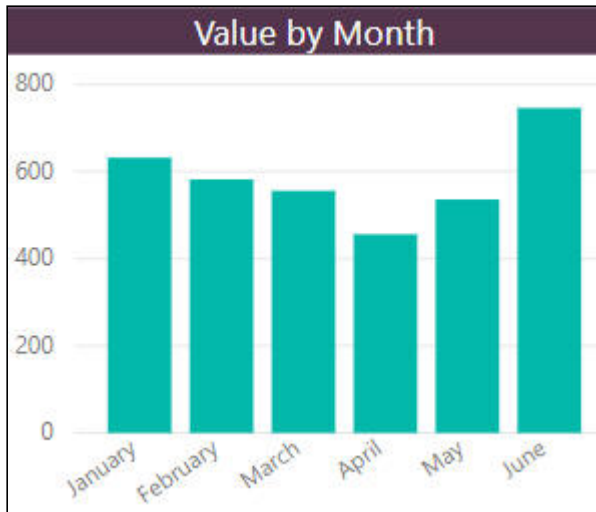
You might have found it easier to do a couple of conditions then edit the M formula for this step to add the other four (it's certainly worth having a look at it to see how easy it is to understand and amend).

You can now choose to sort your month names by number:



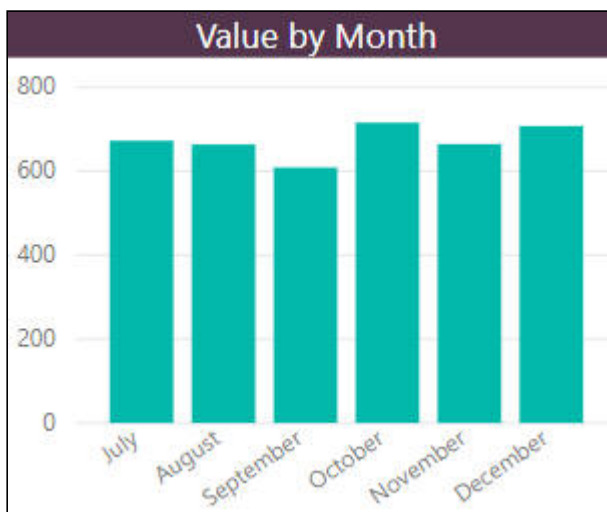
Choose this option to sort your month names correctly.

After checking your chart is sorting by the correct column, you should now have this!



The same chart, but with the correct sort order.

Oh dear - Wise Owl can only apologise. The exercise asked you to link to the wrong file. Change your M to refer to the file called **Second half.xlsx** (you'll need to go down your query steps making lots of editing changes to resolve errors), then check your chart still works:



After a lot of retyping in your query step formulae you should eventually get this chart!

Save your report as **The knees of a bee**, then close it down.