STRINGFEST ANALYTICS

"I WANT TO MULTIPLY A RANGE IN EXCEL, R AND PYTHON"

This is pretty simple in Excel and R: Simply multiply the range by two.

SUM $\sim : \times \checkmark f_x$ =my_range * 2				
	А	В	С	D
1	2	3	5	7
2				
3	* 2	6	10	14

Use a <u>named range</u> to make the process even quicker in Excel

Use the c() function in R to *combine* these elements <u>into a vector</u> > my_range <- c(2, 3, 5, 7) > my_range * 2 [1] 4 6 10 14





By default, Python does this quite a bit differently than Excel or R:

In [1]: my_range = [2, 3, 5, 7]
my_range * 2

Out[1]: [2, 3, 5, 7, 2, 3, 5, 7]

Passing this into the <u>list object type</u> doesn't get us quite what we might expect...

However, packages such as numpy exist to make Python behave much more like we'd expect for analyzing data:





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Moral of the story: While Excel and R were designed primarily for data analysis and computation, Python was designed for more general computing.

That's not necessarily a problem, as a wealth of packages for Python has made it a favored tool among many data professionals.

Looking to get started with Excel, R and Python for data analysis? Check out my book <u>Advancing into Analytics: From Excel</u> <u>to Python and R.</u>

If you want to change the way your team uses data for reporting and analysis, starting with Excel, <u>get in touch.</u>



