

Week3: Spreadsheet Exercises

- Applying string functions

First Exercise: Data

- There is a sample starting spreadsheet in the file called 'String_exercise1_starting_data.xlsx' located under resources and the appropriate week in the tutorial schedule.
- Extract the area code
- Column A contains contact information:
 - <Address> <dash> <area code, 1st 3 digits> <last 7 digits of the phone number>

	A
1	Contact information
2	AVE-333444555
3	2500 University Dr NW-4032109455
4	-123456789
5	123 Sesame street-7771111111

First Exercise: Students Do

- Using the Excel function or functions that you have been taught extract into Column D the 3 digit area code.
 - The address but not the phone number information can be empty
- To make the exercise more manageable you can break the problem into two steps:
 - Step 1: Determine and put into Column B the location of the dash using and Excel function or functions
 - Step 2: Based on the location from Step 1, extract the 3 digit area code
 - (Column D should combine what you do in these two steps into a single cell)

	A	B	C	D
1	Contact information	Step 1: Location of dash	Step 2: Extracted area code	Step 1 & Step 2 combined
2	AVE-333444555	4	333	333
3	2500 University Dr NW-4032109455	22	403	403
4	-123456789	1	123	123
5	123 Sesame street-7771111111	19	777	777

Second Exercise: Data

- There is a sample starting spreadsheet in the file called 'String_exercise2_starting_data.xlsx' located under resources and the appropriate week in the tutorial schedule.
- A sentence will be entered into the cells of Column A.
- Sentences will always end with a period.
- Empty sentences are possible.

	A	B	C
1	Sentence		Length of sentence
2	abc.		
3	.		
4	Mary had a little lamb.		

Student Exercise: Students Do

- Using the Excel function or functions that you have been taught determine the length of each sentence and have the result displayed in Column C.

	A	C
1	Sentence	Length of sentence
2	abc.	3
3	.	0
4	Mary had a little lamb.	22

- (If you find it easier then you can perform an intermediary step – as was done in Exercise 1 – in Column B)