

CHEAT SHEET



PYTHON FOR BEGINNERS

*30 Basic Functions to Know For Data Cleaning and
Processing*

THE STATISTICAL CONSULTING FIRM OF SOUTH CAROLINA

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PYTHON •

30 Beginner Python Functions to Know for Data Cleaning and Processing:

Command	Effect	Example
<code>.title()</code>	Capitalizes first name of each word string	Name
<code>.upper()</code>	Change font to ALL CAPS	NAME
<code>.lower()</code>	Change font to all lowercase	name
<code>f“{*}{\$}”</code>	Put strings together. f stands for format (remove later)	message = f"Hello, {full_name.title()}!"
<code>\t</code>	Create a tab	
<code>\n</code>	Create a new line in a string of text	
<code>\n\t</code>	Create a new line that begins with a tab	
<code>\'</code>	Add an apostrophe in a string	ex = 'let\'s get started.' print(ex)
<code>.rstrip()</code>	Removes whitespace to right of term	var = ' name ' var.rstrip()
<code>.lstrip()</code>	Removes whitespace to left of term	var = ' name ' var.lstrip()
<code>.strip()</code>	Removes whitespace from both sides of a term	var = ' name ' var.strip()
<code>.rstrip(“*”)</code>	Removes (*) from right string (trailing)	my_string = "---hello---" new_string = my_string.rstrip("-") print("Right strip returns:",new_string,sep=" ")
<code>.lstrip(“*”)</code>	Removes (*) from left string (leading)	my_string = "---hello---" new_string_1 = my_string.lstrip("-") print("Left strip returns:",new_string_1,sep=" ")
<code>.strip(“*”)</code>	Removes (*) from either side of string	my_string = "---hello---" new_string_2 = my_string.strip("-") print("Strip returns:",new_string_2,sep=" ")
<code>print(var)</code>	Prints variable stored as “var”	
<code>print(var_1, var_2,sep= “\n”)</code>	Print two variables together with separator being a new line	print(partner, message, sep="\n")

sep("**")	Used within print function, this is used to separate printing terms with symbol specified in quotes	See line above for example. This returns: john smith Hello, John Smith. I can't wait to see you Thursday!
.removeprefix("**")	Removes any prefixes in string, *	
.removesuffix("**")	Removes the suffix of a string	
__class__	Returns class of an object	print(name. __class__)
.append("**")	Adds an element to a list	list.append('new entry')
.insert(#,**")	Inserts a new item to list at the # th position	list.insert(#,'new_entry')
del list_name[#]	Removes the # th item from the list	del list_name[#]
.remove("**")	Removes the first mention of item '**' from the list	list.remove('item_name')
.sort()	Sorts a list in alphabetical (A-Z) order PERMANENTLY	list_name.sort()
.sort(reverse=True)	Sorts a list in descending alphabetical (Z-A) order PERMANENTLY	list_name.sort(reverse=True)
sorted(*)	Presents a list sorted WITHOUT PERMANENTLY changing the order	sorted(list_name)
sorted(*,reverse=True)	Sorts a list in descending alphabetical (Z-A) order	sorted(list_name,reverse=True)
len(*)	Returns the number of items in a list	len(list_name)
.reverse()	Reverse the order of a list – can't be used inside of print	list_name.reverse()