

SECTION 6: METHODS AND FUNCTIONS, 2 hours 54 mins, 30 parts

- 17/29 ***args** and ****kwargs** in Python

- ***args** and ****kwargs** are functional arguments -> arguments and keyword arguments
- -> you want to accept an arbitrary number of arguments
- in JN
 - -> `def myfunc(a,b):`
 - `return 0.05*(a+b)`
 - -> a and b are positional arguments
 - -> if you want a third argument added to the function
 - you can define other input parameters (e.g `d=0`)
 - alternatively, `def myfunc(*args):`
 - -> this treats it as a tuple of arguments
 - `return sum(args) * 0.05`
 - `myfunc(40,60,...)` e.g `<- *args` is for all arguments (all the arguments which are entered) -> `def(*args)`
 - -> instead of `*args`, you could also enter `*spam`, e.g
 - then you -> for item in args, e.g you can run a for loop
- -> for a dictionary of key value pairs when defining a function
 - `def myfunc(**kwargs) <-` for any amount of arguments
 - -> for 'fruit' in kwargs: <- e.g
 - -> then indented a formal
 - -> `print("....{}".format(kwargs['fruit']))`
 - -> then you can have any amount of inputs and it's creating a dictionary
 - -> ****** creates a dictionary and ***** doesn't
 - -> another one is `def myfunc(*args, **kwargs):`
 - `print('I would like {} {}'.format(args[0],kwargs['food']))`
 - -> then you can input numbers and then text e.g -> the first ones entered are args and the second is kwargs
 - -> this is useful for outside libraries