PANDAS SET_INDEX

What you'll learn

How to use the set index() method

How to "set" an index for a Pandas DataFrame

A QUICK INTRODUCTION TO PANDAS SET_INDEX

ALL PANDAS DATAFRAMES HAVE AN INDEX

You can think of an index as being similar to a column ...

(But it's not technically a column, and will not appear when you print a list of columns)

index	employee_id	first_name	
0	101	John	
1	102	Paul	
2	103	George	
3	104	Ringo	
4	105	Stewart	

BY DEFAULT, A DATAFRAME INDEX IS A NUMERIC RANGE OF VALUES STARTING AT O

If you don't define the index in a different way, all DataFrames have this RangeIndex by default

index	employee_id	first_name	
0	101	John	
1	102	Paul	
2	103	George	
3	104	Ringo	
4	105	Stewart	

BUT, WE CAN DEFINE A NEW INDEX BY USING THE SET_INDEX METHOD

emp_fst_nm.set_index('employee_id')

emp_fst_nm

index	employee_id first_nam		
0	101	John	
1	102	Paul	
2	103	George	
3	104	Ringo	
4	105	Stewart	

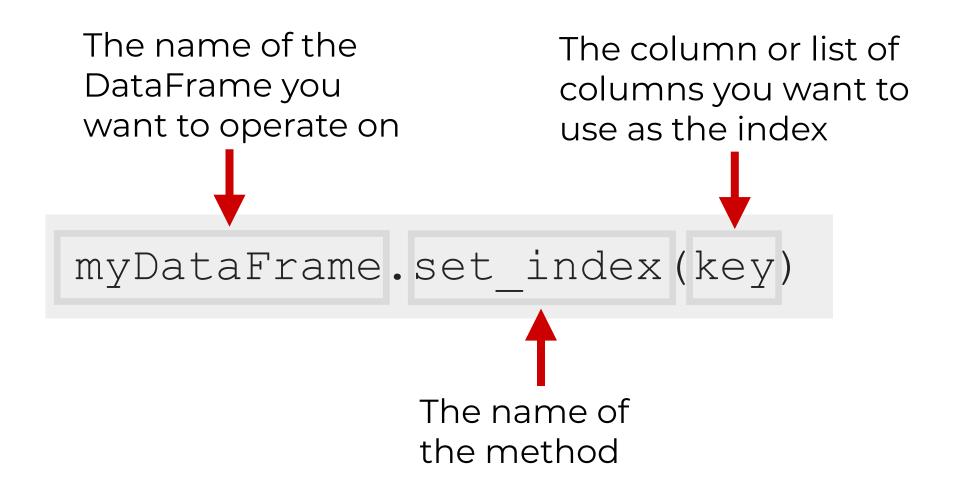


Out:

employee_id	first_name
101	John
102	Paul
103	George
104	Ringo
105	Stewart

PANDAS SET_INDEX SYNTAX

SYNTAX: PANDAS SET_INDEX



PARAMETERS OF SET_INDEX

THE PARAMETERS OF PANDAS SET_INDEX

Parameter	What it does	Format	Default	Required?
key	Specify the column or columns you want to use as the index	Single variable name or a Python list of variables		Yes
drop=	Specify whether or not the set_index method will "drop" the column that you set as the index	True Or False	True	No
inplace=	Specify whether you want to modify your DataFrame "in place"	True Or False	False	No

THE OUTPUT OF PANDAS SET_INDEX

- By default, set_index() will produce a new DataFrame with the new index
 - by default, the inplace parameter is set to inplace = False
- If you set inplace = True, set_index() will directly modify the original DataFrame

RECAP

RECAP OF WHAT WE LEARNED

- You can change the index of a DataFrame with set_index()
- By default, set index () will create a new DataFrame
 - If you set inplace = True, the method will directly modify the original data
- **Next Steps**: Watch the code walkthrough video for step-by-step examples of set index()