PANDAS SORT VALUES

WHAT YOU'LL LEARN

- How to use the Pandas sort_values() method
- How to sort the rows of a DataFrame
 - sort in ascending order
 - sort in descending order

PANDAS SORT VALUES OVERVIEW

EXAMPLE: YOU HAVE A PANDAS DATAFRAME WITH THE ROWS OUT OF ORDER

model	make	year	horsepower	weight
911 Turbo	Porsche	2013	513 4	1.67
Z4 3.0i	BMW	2007	215	1.36
Cayman	Porsche	2007	241 2	1.3
Veyron	Bugatti	2012	1184 5	1.84
550i	BMW	2013	444 3	1.9

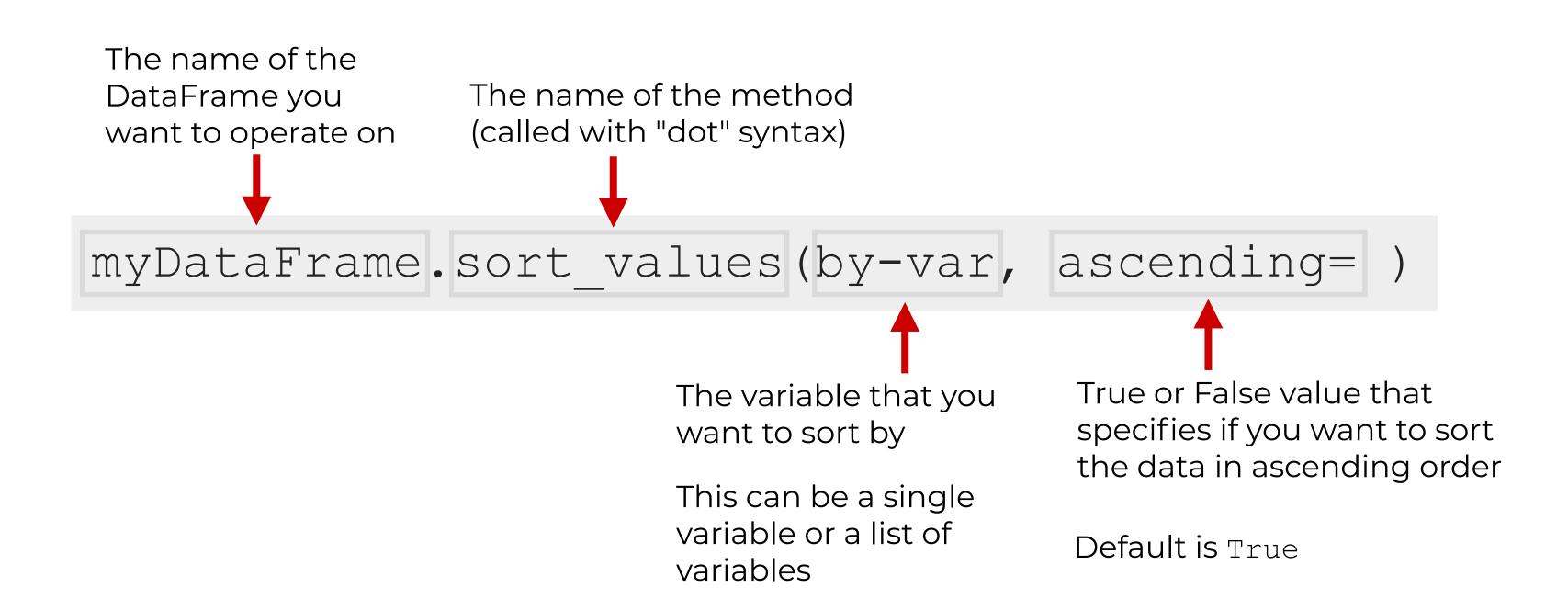
THE PANDAS SORT_VALUES() METHOD SORTS ROWS BY A VARIABLE

supercars.sort values('horsepower')

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PANDAS SORT VALUES SYNTAX

SYNTAX: PANDAS SORT VALUES



PARAMETERS OF PANDAS SORT VALUES

THE PARAMETERS OF PANDAS SORT VALUES

Parameter	What it does	Values	Default
ascending=	Specifies whether sort_values will sort in ascending order or descending order	True Or False	True
inplace=	Specifies whether sort_values will directly modify the DataFrame or produce a new DataFrame	True Or False	False
kind=	Specifies the sorting algorithm to use	quicksort mergesort heapsort	quicksort

Note, there are some other parameters, but they are rarely used, so we won't cover them

Also note: it's technically possible to sort the columns as well with parameter axis = 1, but this is very uncommon

THE OUTPUT OF PANDAS SORT VALUES

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

RECAP

RECAP OF WHAT WE LEARNED

- How to use the Pandas sort_values() method
- How to sort Pandas DataFrames
 - sort ascending
 - sort descending
- **Next Steps**: Watch the code walkthrough video about sort_values() for step-by-step examples