# PANDAS DROP

### WHAT YOU'LL LEARN

- How to use the Pandas drop method
- How to "drop" variables from a DataFrame
  - i.e., delete variables from a DataFrame

## PANDAS DROP OVERVIEW

# THE PANDAS DROP METHOD "DROPS" VARIABLES FROM A DATAFRAME

supercars.drop(columns = 'engine\_size')

model	make	horsepower	engine_size
Veyron	Bugatti	1,184	487.7
Agera	Koenigsegg	1,124	307
Aventador	Lamborghini	710	396.5
Mustang Shelby	Ford	662	354.6
559 GTO	Ferrari	661	366
911	Porsche	611	219.6

Note: Here, supercars is an "abbreviated" version of the actual data

# THE PANDAS DROP METHOD "DROPS" VARIABLES FROM A DATAFRAME

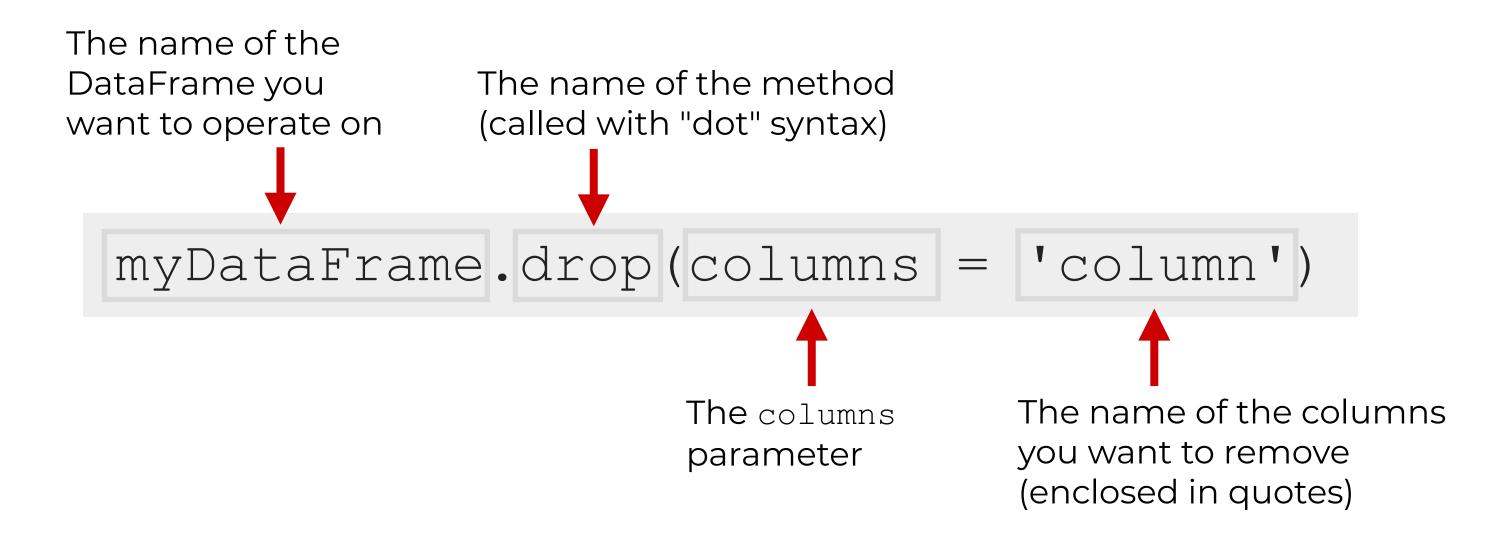
supercars.drop(columns = 'engine\_size')

model	make	horsepower
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### PANDAS DROP SYNTAX

#### SYNTAX: PANDAS DROP



#### SYNTAX: DROP MULTIPLE COLUMNS

```
myDataFrame.drop(columns = ['column1','column2',...])
```



You can specify multiple columns by listing them inside of a list

# PARAMETERS OF PANDAS DROP

### THE PARAMETERS OF PANDAS DROP

Parameter	What it does	
columns	Specifies which columns to delete	
index	Specifies which rows to delete (you can use drop to delete row too)	
inplace	Modifies the DataFrame directly, instead of producing a new DataFrame as an output	

#### THE OUTPUT OF PANDAS DROP

- By default, the drop method produces a new DataFrame
  - new DataFrame with columns removed
- If you set inplace = True, drop will directly modify the DataFrame you're operating on
  - will *not* produce a new DataFrame

# RECAP

#### RECAP OF WHAT WE LEARNED

- You can delete DataFrame columns with the drop method
  - drop single column
  - drop multiple columns
- You can also drop rows (but we aren't covering that here)
- If you set inplace = True, drop will directly modify the DataFrame
- Next Steps: Watch the code walkthrough video for step-by-step examples of Pandas drop