HOW TO CREATE DATAFRAMES FROM RAW DATA

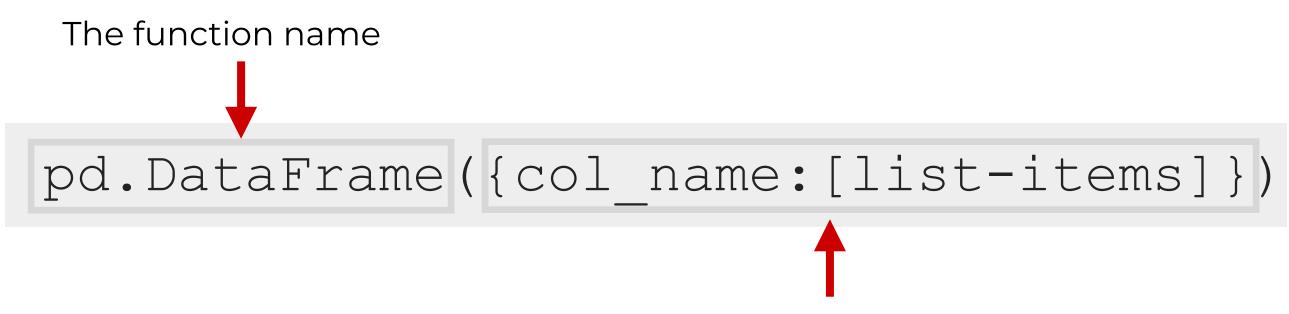
WHAT YOU'LL LEARN

- How to create a new DataFrame
 - construct DataFrame from a dictionary of lists

How to set the order the DataFrame columns during construction

You learned how to construct dictionaries and lists in previous lessons

- Now, we'll use dictionaries and lists to construct a DataFrame
 - Create a "dictionary of lists"
 - Pass the dictionary of lists to the DataFrame() constructor



A dictionary that contains the key-value pairs consisting of the column name and the elements of the column

A column name (the "key" of the dictionary pair) pd.DataFrame({col name:[list-items]}) A list that contains the "elements" or data of the new column (this is the "value" of the dictionary pair)

pd.DataFrame({col_name:[list-items]})



Note: here, there is only one namelist pair, but we can have as many as we want in our dataframe

raw_data is a dictionary
(a dictionary of lists)

note: make sure you import Pandas with import pandas as pd

The dictionary contains several key-value pairs

Each pair consists of a column name and a list of elements



We use the pandas. DataFrame () function to construct the dataframe from the dictionary

THIS CODE CREATES A DATAFRAME OBJECT

| movie | year | metascore |
|---------------------|------|-----------|
| Goodfellas | 1990 | 8 9 |
| Aviator | 2004 | 77 |
| Departed | 2006 | 86 |
| Wolf of Wall Street | 2013 | np.NAN |

HOW TO SET THE ORDER OF THE DATAFRAME COLUMNS

SYNTAX: SET THE ORDER OF DATAFRAME COLUMNS

```
pd.DataFrame({col_name:[list-items]}, columns = )
```



We can use the columns parameter to set the column order

The argument to columns will be a list of the column names

EXAMPLE: SET THE ORDER OF DATAFRAME COLUMNS

We can use the columns= parameter to set the order or the names of the new columns

RECAP

RECAP OF WHAT WE LEARNED

- How to use the pandas. DataFrame () function
- How to create new dataframes from dictionaries
 - ... from a dictionary of lists
- How to change the columns of the dataframe using the columns parameter