

List of Dictionaries

You recently got some new avocado data from 2019 that you'd like to put in a DataFrame using the list of dictionaries method. Remember that with this method, you go through the data row by row.

Instructions:

1. Create a list of dictionaries with the new data called `avocados_list`.
2. Convert the list into a DataFrame called `avocados_2019`.
3. Print your new DataFrame.

Original Uploaded Image:

The screenshot shows a web browser window displaying a DataCamp exercise titled 'List of dictionaries'. The exercise instructions state: 'You recently got some new avocado data from 2019 that you'd like to put in a DataFrame using the list of dictionaries method. Remember that with this method, you go through the data row by row.' Below the instructions is a table with two rows of data:

date	small_sold	large_sold
"2019-11-03"	10376832	7835071
"2019-11-10"	10717154	8561348

Below the table, it says 'pandas: as pd is imported.' and 'Instructions' with a '100 XP' badge. The instructions list: 'Create a list of dictionaries with the new data called `avocados_list`.', 'Convert the list into a DataFrame called `avocados_2019`.', and 'Print your new DataFrame.' There is a 'Take Hint (-30 XP)' button. To the right of the instructions is a code editor with a dark theme, showing a script named 'script.py' with the following code:

```
1 # Create a list of dictionaries with new data
2 avocados_list = [
3     {"date": "2019-11-03", "small_sold": 10376832, "large_sold": 7835071},
4     {"date": "2019-11-10", "small_sold": 10717154, "large_sold": 8561348},
5 ]
6
7 # Convert list into DataFrame
8 avocados_2019 = pd.DataFrame(avocados_list)
9
10 # Print the new DataFrame
11 avocados_2019
```

Below the code editor is a 'Python Shell' section with 'In [1]:' and a 'Run Code' button. The bottom of the screen shows a Windows taskbar with various icons and the date '25/11/2024'.

Python Code Implementation:

```
# Create a list of dictionaries with new data
avocados_list = [
    {"date": "2019-11-03", "small_sold": 10376832, "large_sold": 7835071},
    {"date": "2019-11-10", "small_sold": 10717154, "large_sold": 8561348},
]
```

```
# Convert list into DataFrame
avocados_2019 = pd.DataFrame(avocados_list)
```

```
# Print the new DataFrame
```

```
print(avocados_2019)
```

Explanation of Code:

1. **Create a list of dictionaries**: Define a list ``avocados_list`` where each dictionary represents a row of data with keys as column names (``date``, ``small_sold``, ``large_sold``) and corresponding values.
2. **Convert list into DataFrame**: Use ``pd.DataFrame()`` to create a DataFrame ``avocados_2019`` from the list of dictionaries.
3. **Print the DataFrame**: Use ``print()`` to display the newly created DataFrame.