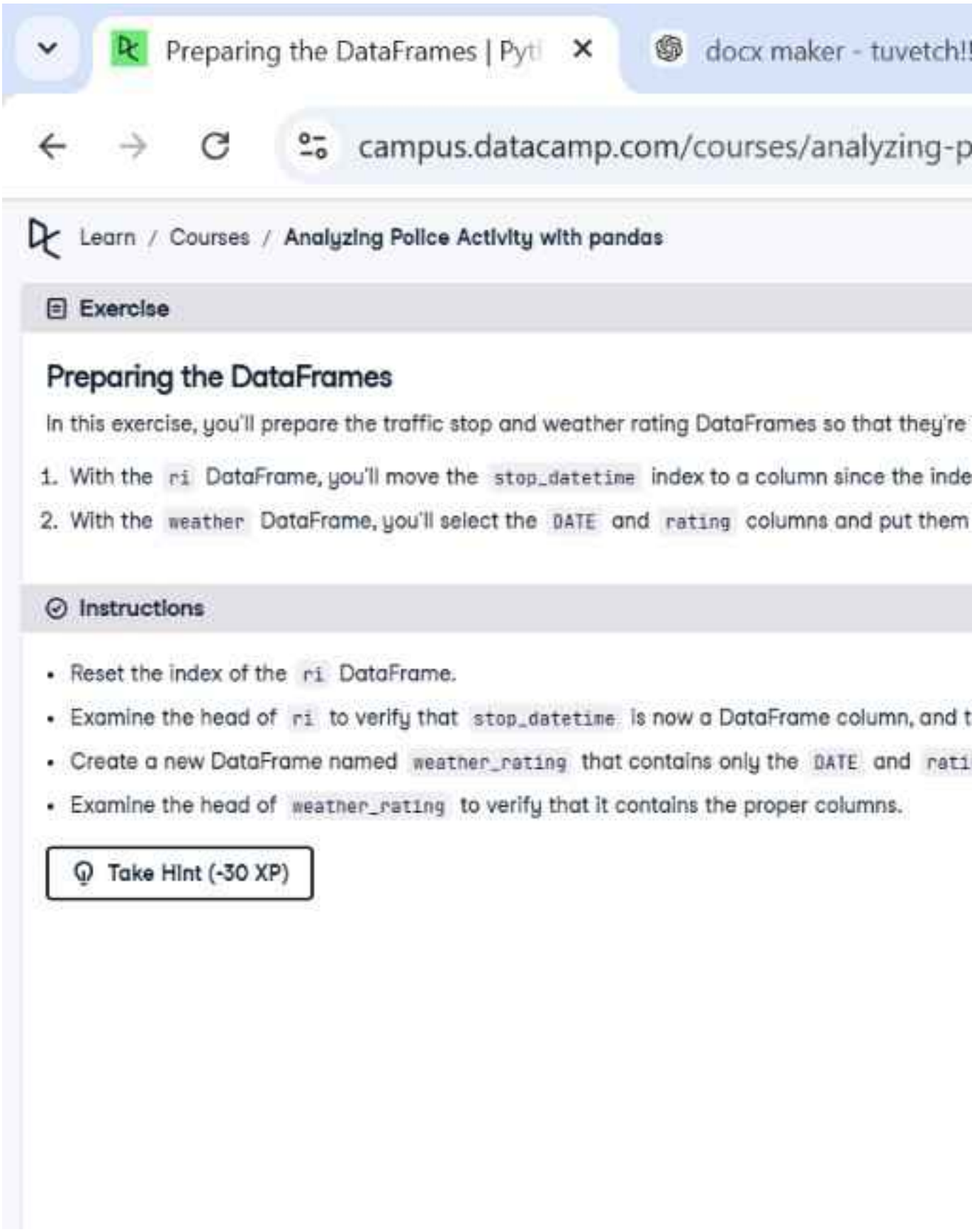
Preparing the DataFrames


Preparing the DataFrames | Pyt
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Exercise
Preparing the DataFrames
In this exercise, you'll prepare the traffic stop and weather rating DataFrames so that they're
1. With the ri DataFrame, you'll move the stop_datetime index to a column since the inde
2. With the weather DataFrame, you'll select the DATE and rating columns and put them
Instructions
• Reset the index of the ri DataFrame.
• Examine the head of ri to verify that stop_datetime is now a DataFrame column, and t
• Create a new DataFrame named weather_rating that contains only the DATE and rati
• Examine the head of weather_rating to verify that it contains the proper columns.
Take Hint (-30 XP)

Question:

In this exercise, you'll prepare the traffic stop and weather rating DataFrames so that they're ready to be merged:
1. With the `ri` DataFrame, you'll move the stop_datetime index to a column since the index will be lost during the merge.
2. With the weather DataFrame, you'll select the DATE and rating columns and put them in a new DataFrame.
Instructions:
- Reset the index of the ri DataFrame.
- Examine the head of ri to verify that stop_datetime is now a column and the index is now the default integer index.
- Create a new DataFrame named weather_rating that contains only the DATE and rating columns from the weather DataFrame.
- Examine the head of weather_rating to verify that it contains the proper columns.

Solution:

```
# Reset the index of 'ri'
ri.reset_index(inplace=True)

# Examine the head of 'ri'
print(ri.head())

# Create a DataFrame from the 'DATE' and 'rating' columns
weather_rating = weather[['DATE', 'rating']]

# Examine the head of 'weather_rating'
print(weather_rating.head())
```

Code Explanation:

1. `ri.reset_index(inplace=True)`: This command resets the index of the `ri` DataFrame, moving the existing index (stop_datetime) back to a column.
2. `print(ri.head())`: Displays the first five rows of the `ri` DataFrame to verify the index reset.
3. `weather_rating = weather[['DATE', 'rating']]`: Creates a new DataFrame named `weather_rating` containing only the 'DATE' and 'rating' columns.
4. `print(weather_rating.head())`: Displays the first five rows of the `weather_rating` DataFrame to confirm it contains the desired columns.