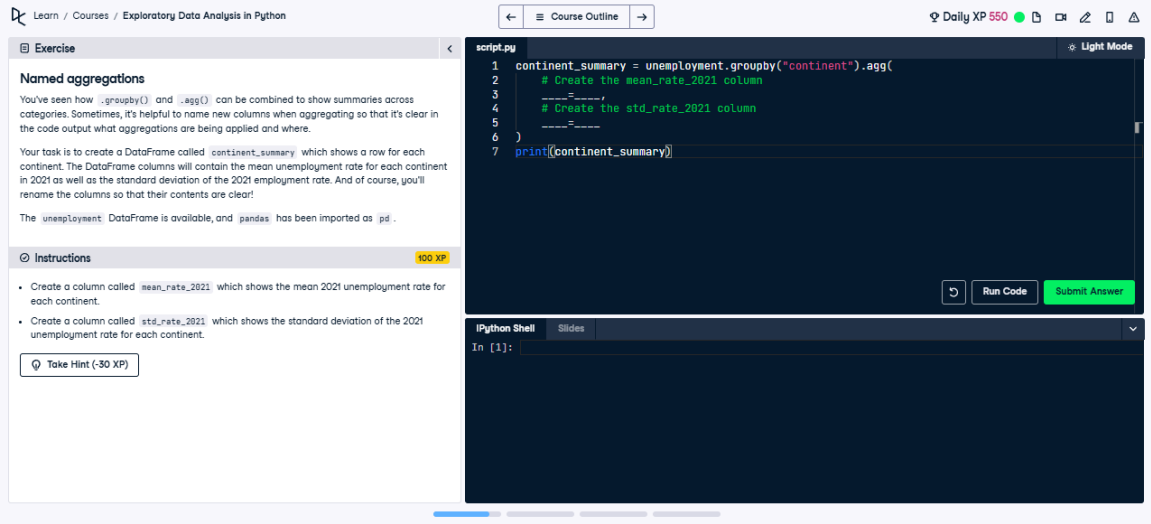
Named Aggregations

Question and Screenshot:



Question Explanation:

The task requires creating a summary table using pandas that aggregates data from a DataFrame grouped by continents. The goal is to calculate the mean and standard deviation of the 2021 unemployment rate for each continent.

Corrected Code Solution:

```
import pandas as pd

# Assuming 'unemployment' DataFrame is already available
continent_summary = unemployment.groupby("continent").agg(
    mean_rate_2021=('2021', 'mean'),  # Create the mean_rate_2021 column
    std_rate_2021=('2021', 'std')     # Create the std_rate_2021 column
)

# Display the summary
print(continent_summary)
```

Solution Explanation:

The error occurs because the column 'unemployment_rate_2021' does not exist in the DataFrame. Instead, the column name is simply '2021'. The corrected code replaces 'unemployment_rate_2021' with '2021' in the

aggregation function. This ensures that the mean and standard deviation are calculated correctly for the unemployment rate in 2021 for each continent.