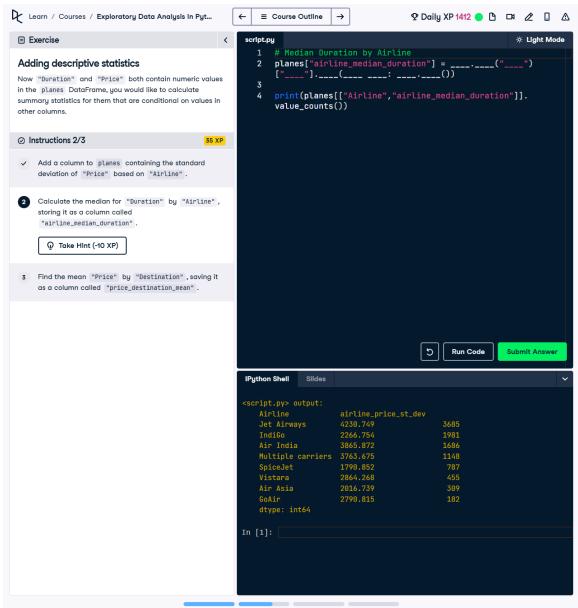
Calculating Median Duration by Airline

Question and Screenshot:



Question Explanation:

The task involves calculating the median duration of flights for each airline in the planes DataFrame. The result is stored in a new column called 'airline median duration', and the frequency of unique values is displayed.

Code Solution:

Median Duration by Airline
planes["airline_median_duration"] = planes.groupby("Airline")
["Duration"].transform("median")

Display the frequency of unique values in the new column print(planes[["Airline", "airline median duration"]].value counts())

Solution Explanation:

- 1. The `groupby('Airline')` method groups the DataFrame by the 'Airline' column.
- 2. The `transform('median')` calculates the median duration of flights for each group.
- 3. The calculated median values are stored in a new column called 'airline_median_duration', and the `value_counts()` method displays the frequency of unique airline and median duration combinations.