

Mean vs. Median Using .agg()

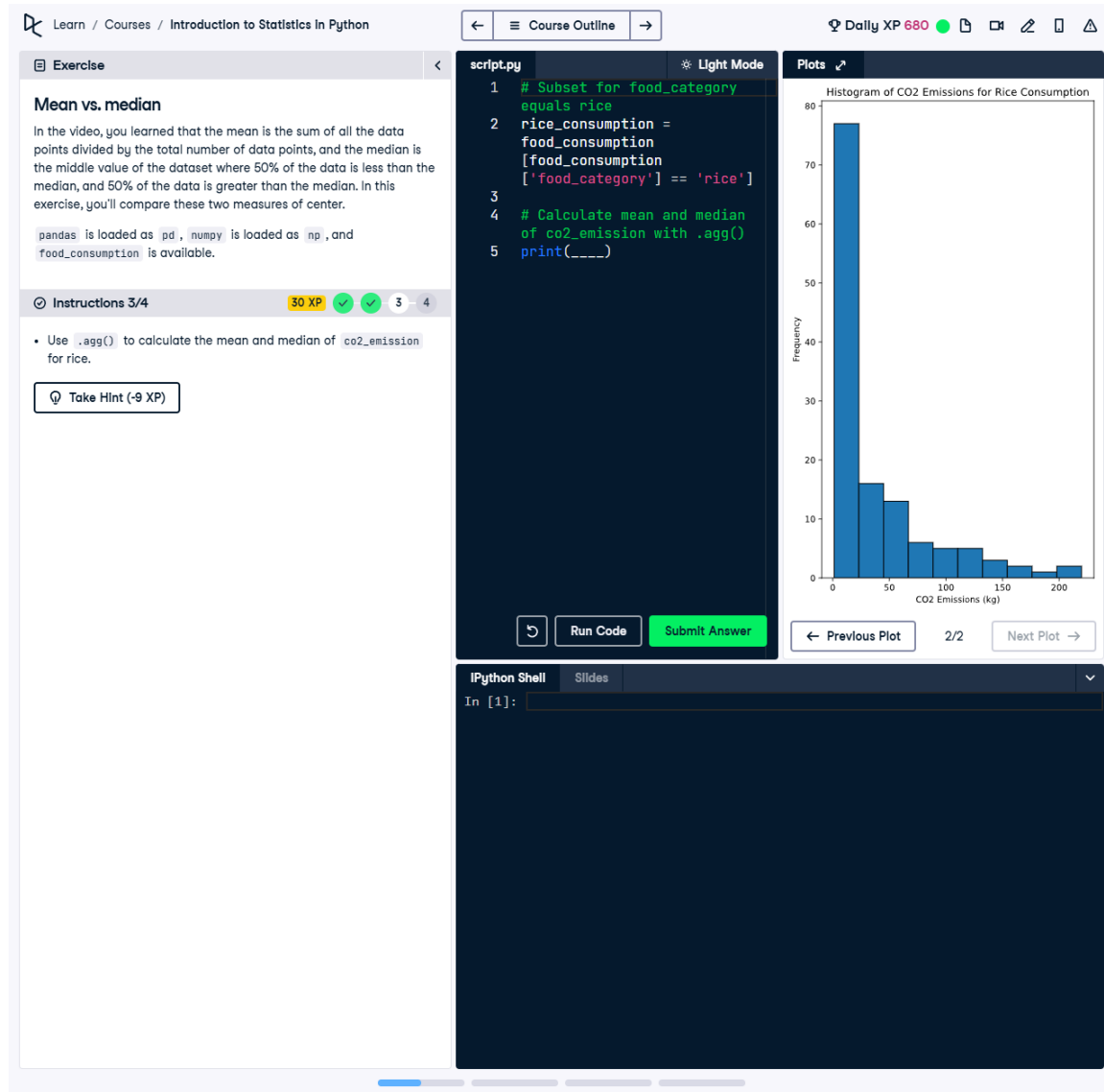


Figure 1: Screenshot showing the histogram and task to calculate mean and median using `.agg()`.

Question

In this exercise, you will use the `.agg()` method to calculate the mean and median of CO2 emissions for rice consumption.

The task involves the following steps:

****Instructions:****

1. Subset the `food_consumption` DataFrame to get the rows where the

food_category is 'rice'.

2. Use the .agg() method to calculate the mean and median of the co2_emission column for the rice_consumption DataFrame.
3. Print the calculated values.

Corrected Code Solution

```
# Subset for food_category equals rice
rice_consumption = food_consumption[food_consumption['food_category']
== 'rice']
```

```
# Calculate mean and median of co2_emission with .agg()
print(rice_consumption['co2_emission'].agg(['mean', 'median']))
```

Answer Explanation

1. ****Subset for rice consumption:**** The rice_consumption DataFrame is created by filtering rows where the 'food_category' column equals 'rice'.
2. ****Use .agg() method:**** The .agg() method is applied to the 'co2_emission' column to calculate both the mean and the median in a single step.
 - 'mean': Computes the average CO2 emission for rice consumption.
 - 'median': Finds the middle value of the CO2 emission data, providing a measure of central tendency.
3. ****Print the results:**** The calculated mean and median are printed to provide insights into the dataset's central tendencies.