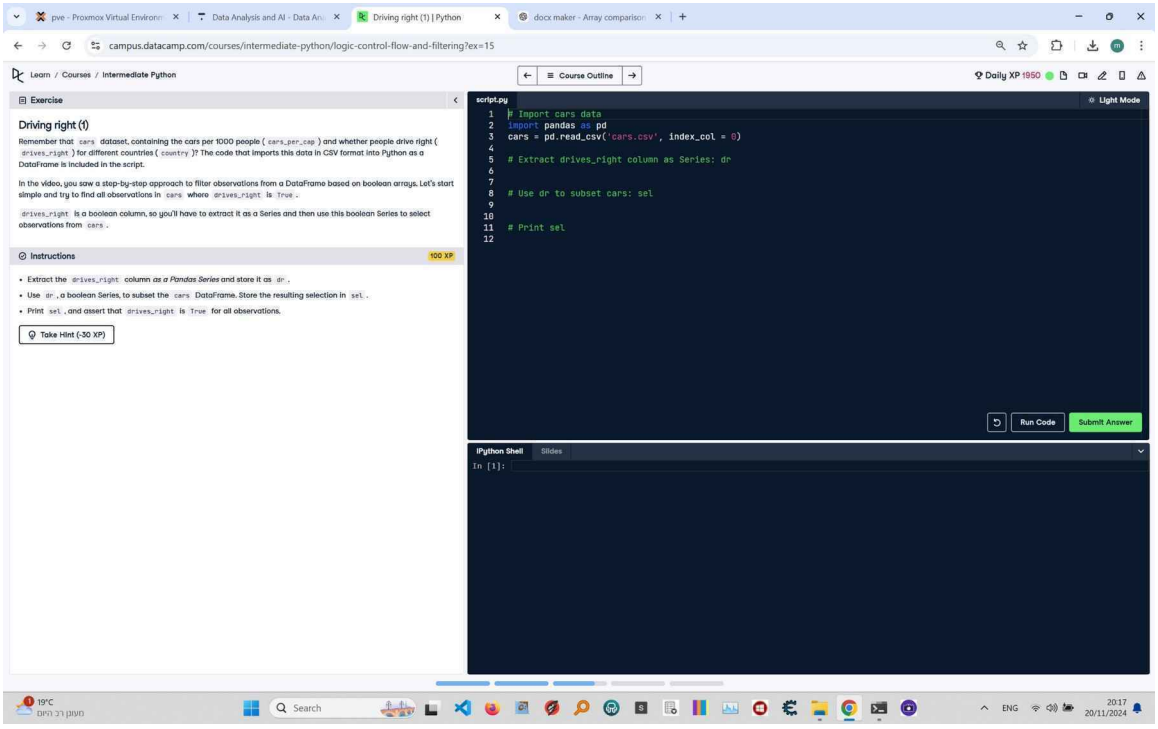
Driving Right (1) in Python



Question:

Remember that `cars` dataset contains the cars per 1000 people (`cars_per_cap`) and whether people drive right (`drives_right`) for different countries (`country`). The code that imports this data in CSV format into Python as a DataFrame is included in the script.
1. Extract the `drives_right` column as a Pandas Series and store it as `dr`.
2. Use `dr`, a boolean Series, to subset the `cars` DataFrame. Store the resulting selection in `sel`.
3. Print `sel`, and assert that `drives_right` is `True` for all observations.

Answer:

Here is the Python code that solves the problem:

```
# Import cars data
import pandas as pd

# Read the dataset
cars = pd.read_csv('cars.csv', index_col=0)

# Extract drives_right column as Series: dr
```

```
dr = cars['drives_right']

# Use dr to subset cars: sel
sel = cars[dr]

# Print sel
print(sel)
```

Explanation:

1. **Import Pandas**: The Pandas library is imported to handle tabular data in a DataFrame.
2. **Read the dataset**: The `pd.read_csv()` function reads the dataset from a CSV file into a Pandas DataFrame. The `index_col=0` parameter sets the first column as the index.
3. **Extract `drives_right` column**: The `drives_right` column is extracted as a Pandas Series and stored in `dr`.
4. **Subset the DataFrame**: The `cars[dr]` expression uses the boolean Series `dr` to filter the rows of the DataFrame where `drives_right` is `True`. The result is stored in `sel`.
5. **Print the result**: The `print(sel)` statement displays the subsetted DataFrame.