

Calculations with .groupby()

The screenshot shows a web browser window with the URL campus.datacamp.com/courses/data-manipulation-with-pandas/aggregating-dataframes?ex=11. The page is titled "Learn / Courses / Data Manipulation with pandas" and shows a course outline. The current exercise is "Calculations with .groupby()". The instructions state: "The .groupby() method makes life much easier. In this exercise, you'll perform the same calculations as last time, except you'll use the .groupby() method. You'll also perform calculations on data grouped by two variables to see if sales differ by store type depending on if it's a holiday week or not." The code editor shows the following Python code:

```
1 # From previous step
2 sales_by_type = sales.groupby("type")["weekly_sales"].sum()
3
4 # Group by type and is_holiday; calc total weekly sales
5 sales_by_type_is_holiday = ____
6 print(sales_by_type_is_holiday)
```

The IPython Shell shows the output of the script:

```
<script.py> output:
type
A    0.91
B    0.89
Name: weekly_sales, dtype: float64
```

The bottom of the screenshot shows a Windows taskbar with the date 25/11/2024 and time 13:57.

The .groupby() method makes life much easier. In this exercise, you'll perform the same calculations as last time, except you'll use the .groupby() method. You'll also perform calculations on data grouped by two variables to see if sales differ by store type depending on if it's a holiday week or not.

sales is available and pandas is loaded as pd.

Final Answer

```
# From previous step
sales_by_type = sales.groupby("type")["weekly_sales"].sum()

# Group by type and is_holiday; calc total weekly sales
sales_by_type_is_holiday = sales.groupby(["type", "is_holiday"])
                             ["weekly_sales"].sum()
print(sales_by_type_is_holiday)
```