

Learn / Courses / Introduction to Data Visua...

← Course Outline →

● 📄 🖨️ ✎ 📱 ⚠️

Exercise

### Count plots

In this exercise, we'll return to exploring our dataset that contains the responses to a survey sent out to young people. We might suspect that young people spend a lot of time on the internet, but how much do they report using the internet each day? Let's use a count plot to break down the number of survey responses in each category and then explore whether it changes based on age.

As a reminder, to create a count plot, we'll use the `catplot()` function and specify the name of the categorical variable to count ( `x=_____` ), the pandas DataFrame to use ( `data=_____` ), and the type of plot ( `kind="count"` ).

Seaborn has been imported as `sns` and `matplotlib.pyplot` has been imported as `plt`.

🔑 Instructions 1/3 35 XP 1 2 3

- Use `sns.catplot()` to create a count plot using the `survey_data` DataFrame with "Internet usage" on the x-axis.

💡 Take Hint (-10 XP)

script.py

Light Mode

```
1 # Create count plot of internet usage
2
3
4
5 # Show plot
6 plt.show()
```

↺ Run Code Submit Answer

IPython Shell Slides

In [1]:

## Creating Count Plots

Use `sns.catplot()` to create a count plot using the `survey_data` DataFrame with 'Internet usage' on the x-axis.

### Full Answer ###

To create a count plot, use `sns.catplot()` with 'kind' set to 'count'. Below is the working code:

```
import seaborn as sns
import matplotlib.pyplot as plt

# Create count plot of internet usage
sns.catplot(x='Internet usage',
            data=survey_data,
            kind='count')

# Show plot
plt.show()
```

### ### Code Explanation ###

1. Import seaborn and matplotlib.pyplot for creating visualizations.
2. Use sns.catplot() to create a count plot with:
  - 'x' set to 'Internet usage' to display categories on the x-axis.
  - 'kind' set to 'count' to count occurrences of each category.
  - 'data' set to survey\_data, the DataFrame containing the data.
3. Use plt.show() to render and display the plot.