Box Plot with Subgroups and Updated Hint

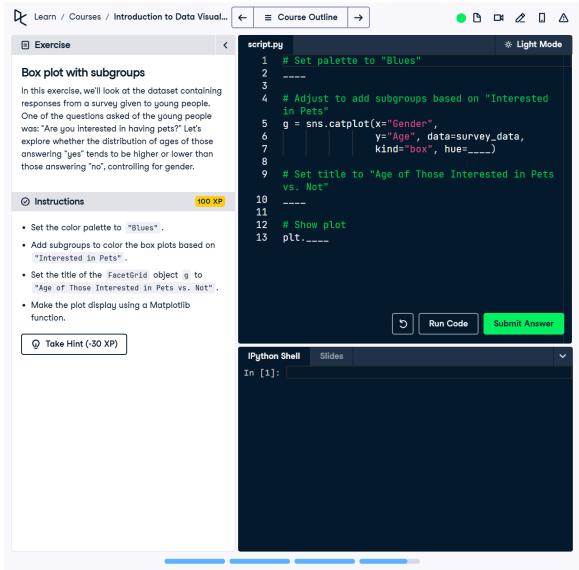


Figure 1: Screenshot showing the task to create a box plot with subgroups and title.

Question

In this exercise, we'll look at the dataset containing responses from a survey given to young people. One of the questions asked was:

"Are you interested in having pets?" This exercise explores how the age distribution differs between those who answered "yes" and "no," controlling for gender.

Instructions:

- 1. Set the color palette to "Blues".
- 2. Add subgroups to color the box plots based on "Interested in Pets".
- 3. Set the title of the FacetGrid object `g` to "Age of Those Interested in Pets vs. Not".
- 4. Make the plot display using a Matplotlib function.

Hint and Explanation

If you're working with a FacetGrid object created using Seaborn's catplot(), the title can be set using the Matplotlib suptitle() function. The updated code uses g.fig.suptitle() to add a title to the FacetGrid object.

Updated Code Solution

Answer Explanation

- 1. sns.set_palette("Blues"): Sets the color palette to "Blues" for a cohesive color scheme in the box plot.
- 2. g = sns.catplot(...): Creates a box plot grouped by gender on the x-axis and age on the y-axis, with subgroups differentiated by "Interested in Pets" using the hue parameter.
- 3. g.fig.suptitle("..."): Adds a descriptive title to the FacetGrid object using Matplotlib's suptitle() method.
- 4. plt.show(): Displays the resulting plot with the title and box plots.