

Adjusting the Whiskers in a Box Plot

Adjust the code to make the box plot whiskers extend to 0.5 * IQR. Recall: the IQR is the interquartile range.

Full Answer

To adjust the whiskers in a box plot to 0.5 * IQR, use sns.catplot() and set the 'whis' parameter to 0.5. Below is the working code:

Explanation

- 1. Import seaborn and matplotlib.pyplot for creating visualizations.
- 2. Use sns.catplot() to create a box plot with:
- 'x' set to 'romantic' to display whether students are in a romantic relationship.
 - 'y' set to 'G3' to display final grades.
 - 'kind' set to 'box' to create a box plot.
 - 'whis' set to 0.5 to adjust the whiskers to extend to 0.5 * IQR.
 - 'data' set to student_data, the DataFrame containing the data.
- 3. Use plt.show() to render and display the plot.