How to Create a Univariate Scatterplots for Independent Data (2 or more groups) in GraphPad PRISM 6

These instructions will allow you to make graphs like this:

![Univariate Scatterplot Example](image)

Use these instructions to create univariate scatterplots for independent data in two or more groups of subjects. Independent data means that the variable of interest is measured one time in each participant or specimens and participants or specimens are not related to each other. If your data are paired or matched, please see the instructions for paired or matched data.

1. Under “New Table & Graph”, select “Column”
2. Select “Enter replicate values stacked into columns”. Click “Create”.
3. Enter the group names under the column headings for “Group A”, “Group B”, “Group C”, etc. These will appear as your x-axis labels in your graph. Enter the data for each group, with 1 group per column.
4. From the insert menu at the top of the screen, select “New graph of existing data”
5. Select “scatterplot” in the pop-up menu. Under the plot menu, select any summary statistics that you would like the graph to show. You should show the mean if you are using parametric statistics for your data analysis, and the median if you are using non-parametric statistics for your data analysis. Click “OK”.
6. The graph will look something like this. Click on “YTitle” to replace this label with the names and units for your axis. Either delete the chart title (Data1 in this example) and “XTitle” or click on these titles to replace them with the desired text.
7. Your new axis labels should now appear on the scatterplot.
8. Left click on one of the x-axis labels (Group 1, Group 2, etc.); then right click and select “Format axis”.
9. In the pop-up menu, under the x-axis tab change “Below, angled” to “Below, horizontal”.

![Image showing GraphPad PRISM interface for adjusting axis settings]

10. If you are using an x-axis title, select the “Titles & Fonts” tab. Change “Distance from axis” for the x-axis title to the desired value. Click “Apply” to view the change. Click “OK” when you are happy with the result.
11. Your univariate scatterplot will look something like this.
12. Select “File”, then “Export” to save the scatterplot.
13. Select the file format, enter a file name and choose the location where you want to save the graph. Click “OK”. Your scatterplot will be saved in the format and location that you selected.