

How can I combine a histogram and a boxplot in Stata?

Authored by
stats writer

July 1, 2024

RECOMMENDED CITATION

stats writer (2024). *How can I combine a histogram and a boxplot in Stata?*.

PSYCHOLOGICAL SCALES. Retrieved from <https://scales.arabpsychology.com/?p=164583>

Combining a histogram and a boxplot in Stata allows for a more comprehensive visual representation of data. A histogram shows the distribution of data, while a boxplot presents the median, quartiles, and outliers. By combining these two graphical representations, researchers can gain a better understanding of the data's central tendency, variability, and distribution. This can be achieved in Stata by using the "graph combine" command, which allows for the simultaneous display of a histogram and a boxplot in the same graph window. This feature can be useful in data analysis and presentation, providing a more complete picture of the data.

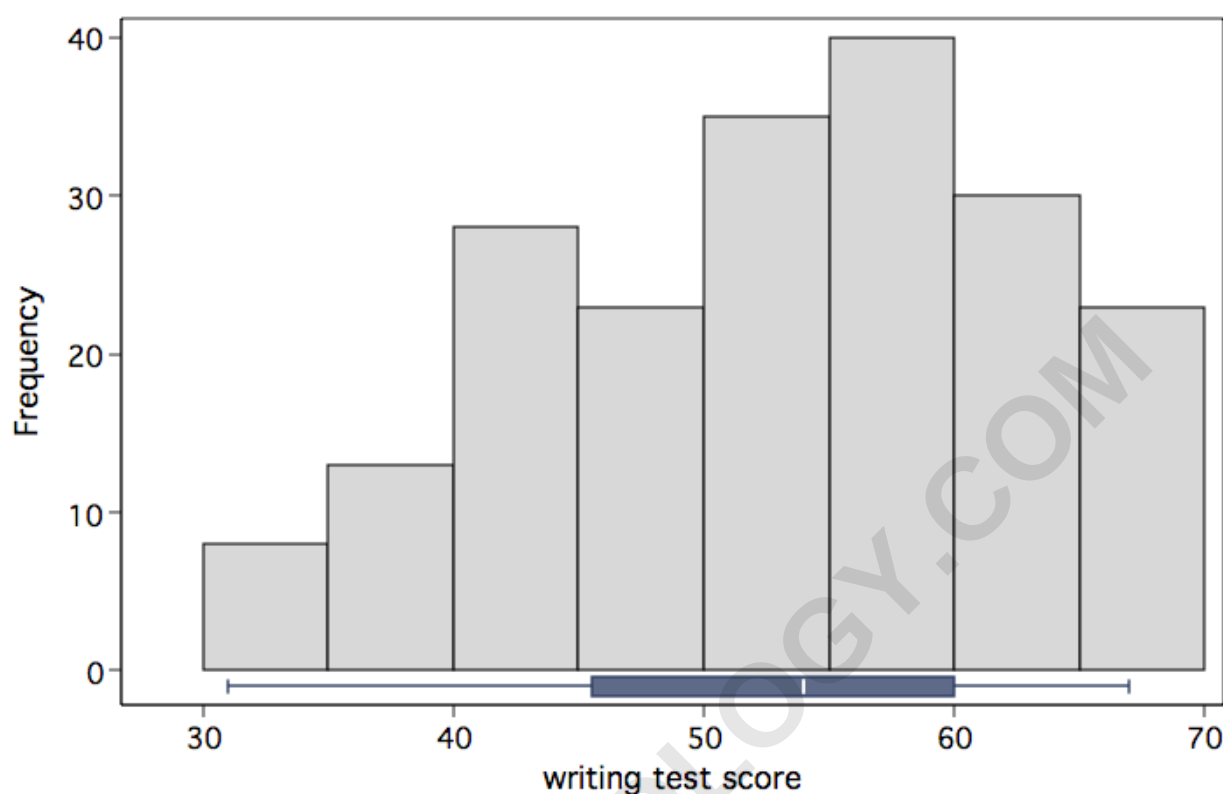
How can I combine a histogram and a boxplot in Stata?

| Stata FAQ

UCLA ATS has written a command called histbox that will produce this type of graph. To get this program just type the following into the Stata command box and follow the instructions: search histbox

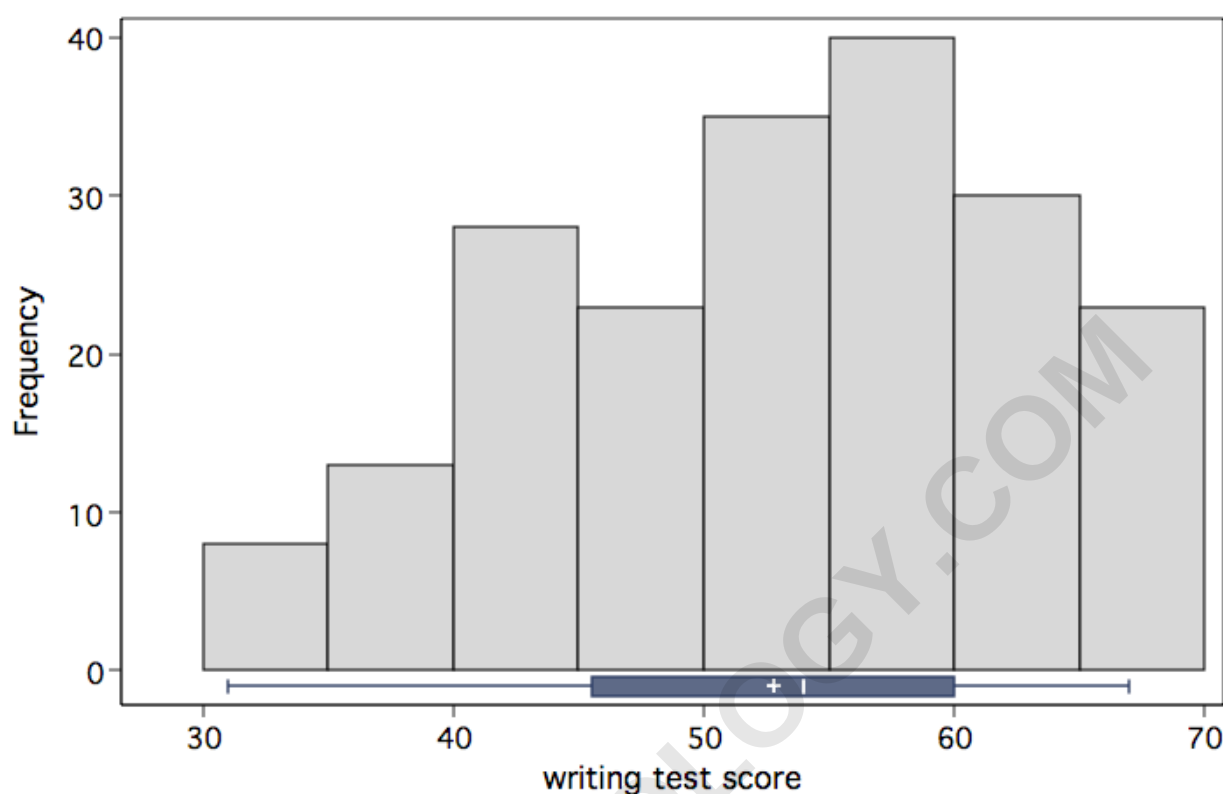
**use <https://stats.idre.ucla.edu/stat/stata/notes/hsb2>,
clear**

histbox write, start(30) width(5) xtitle(Writing Test Score)



The **histbox** command also has an option to display the mean in the boxplot.

histbox write, mean start(30) width(5) xtitle(Writing Test Score)



If you would like to see how this type of graph can be constructed please view

A code fragment for combining a histogram and boxplot in one graph on our [Stata Code Fragments](#) page.