

How can I do a profile plot in Stata?

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A profile plot in Stata is a graphical representation of the relationship between two variables, where one variable is plotted against the other while holding the other variables constant. It is a useful tool for visualizing the relationship between variables and identifying any patterns or trends. To create a profile plot in Stata, the user can use the "twoway" command and specify the variables to be plotted. Stata also offers various options for customizing the plot, such as adding labels, titles, and adjusting the axis scales. Profile plots are commonly used in data analysis and can provide valuable insights into the data.

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A profileplot graphs the levels of several variables for two or more

groups. One can then compare the profiles of the groups to one another.

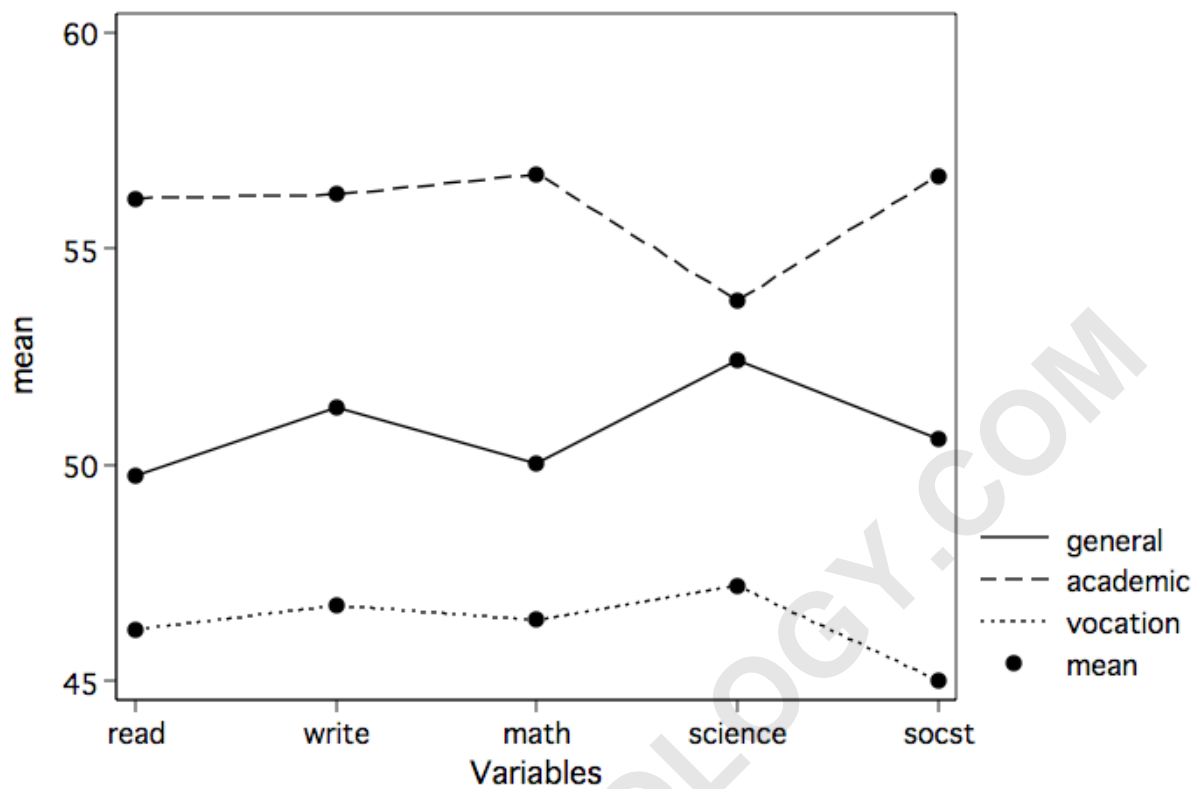
The user-written a command called profileplot that will produce this

type of graph. To get this program just type the following into the Stata command box

and follow the instructions: search profileplot (see How can I use the search command to search for programs and get additional help? for more information about using search).

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

profileplot read write math science socst, by(prog)



The `profileplot` command also has an option to display the profile using medians instead of means.

```
profileplot read write math science socst, by(prog)  
median
```

