

How To Choose A Chart - A Statistically Informed Visual Guide With Stata Commands

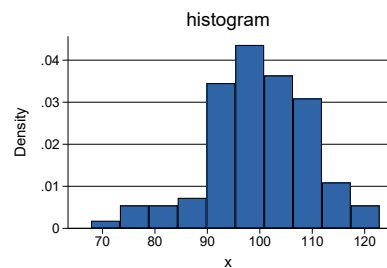
Continuous

Continuous by Categorical

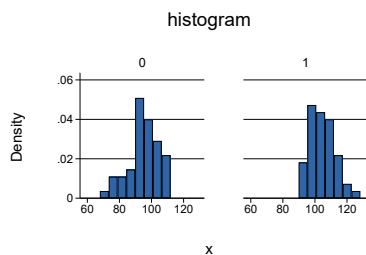
Categorical

Categorical by Categorical

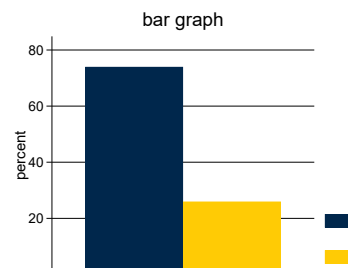
Continuous by Continuous



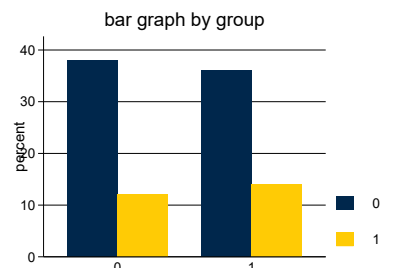
histogram x



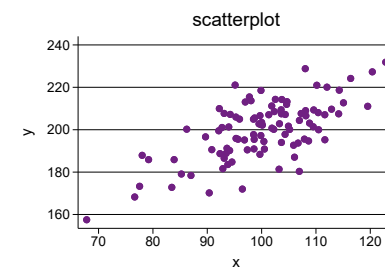
histogram x, by(u)



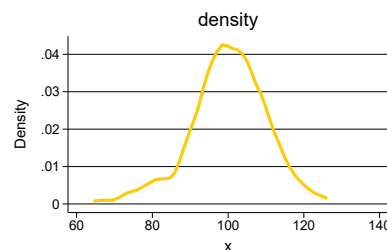
graph bar, over(w) asyvars



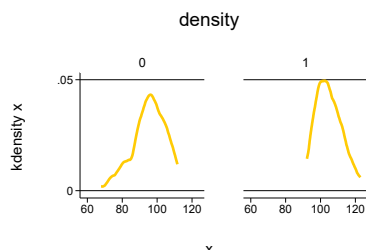
graph bar, over(w) over(u) asy



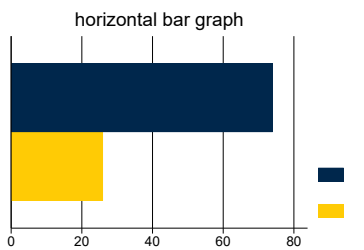
twoway scatter y x



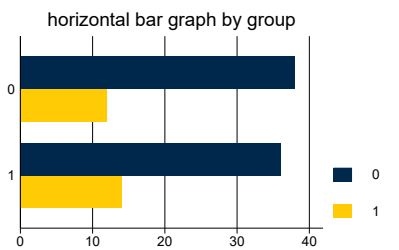
kdensity x



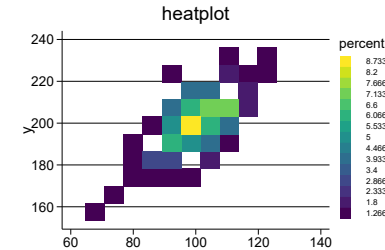
twoway (kdensity x), by(u)



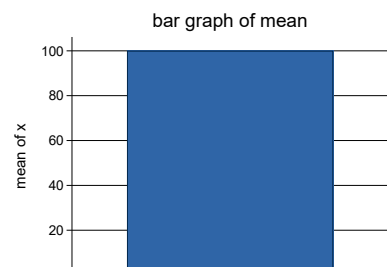
graph hbar, over(w) asyvars



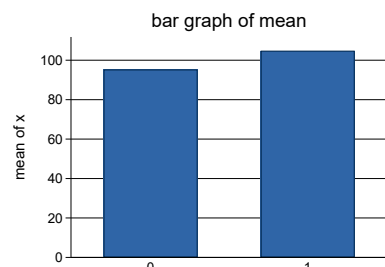
graph hbar, over(w) over(u) asyv.



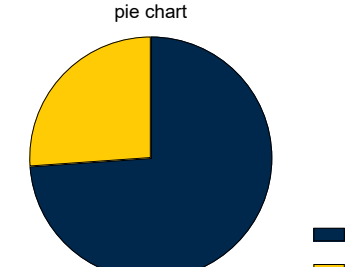
heatplot is a user written command: `ssc install heatplot`
heatplot y x



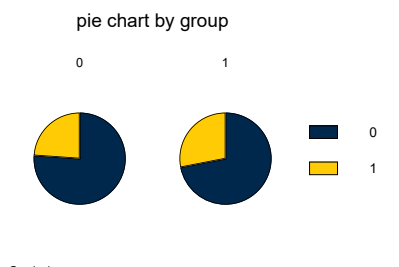
graph bar x



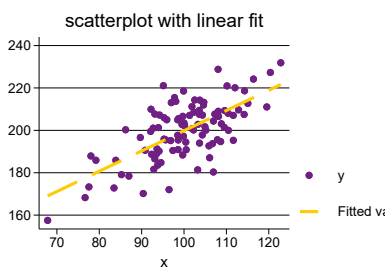
graph bar x, over(u)



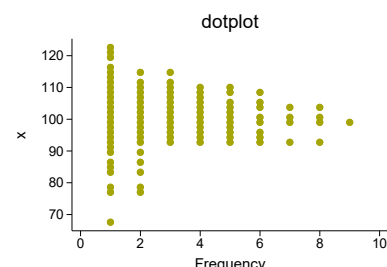
graph pie, over(w)



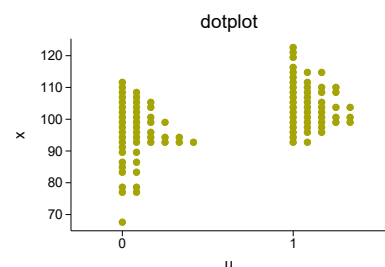
Graphs by u
graph pie, over(w) by(u)



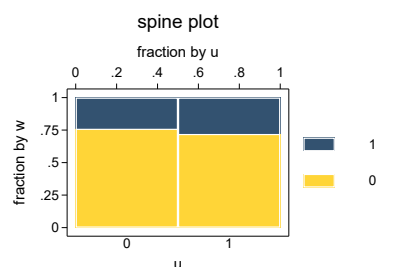
twoway (scatter y x) (lfit y x)



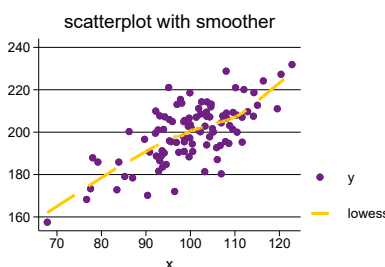
dotplot x



dotplot x, over(u)



spineplot w u



twoway (scatter y x) (lowest y x)

Stata commands are in monospaced font

I try to present the simplest version of a command, but to make this handout made use of options like `fc`, `mc`, and `lc` to tweak the color and appearance of graphs.

Option `asyvars` is not strictly necessary, but means that bar graphs will have bars of different colors.