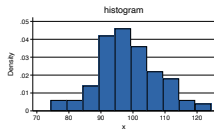
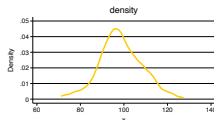


How To Choose A Chart - A Statistically Informed Visual Guide With Stata Commands

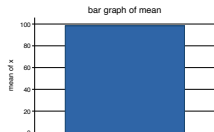
Continuous



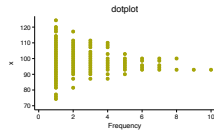
histogram x



kdensity x

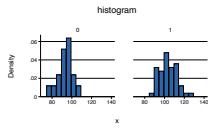


graph bar x

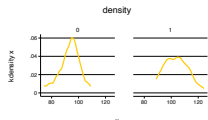


dotplot x

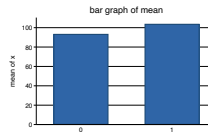
Continuous by Categorical



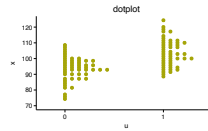
histogram x, by(u)



twoway (kdensity x), by(u)

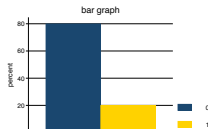


graph bar x, over(u)

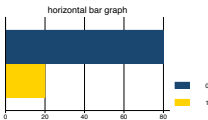


dotplot x, over(u)

Categorical



graph bar, over(w) asyvars

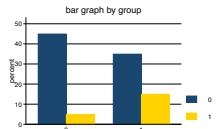


graph hbar, over(w) asyvars

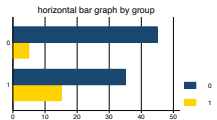


graph pie, over(w)

Categorical by Categorical



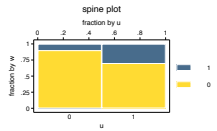
graph bar, over(w) over(u) asyvars



graph hbar, over(w) over(u) asyvars

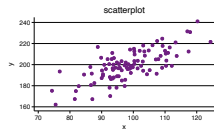


graph pie, over(w) by(u)

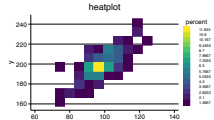


spineplot w u

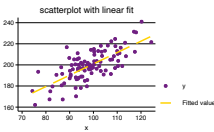
Continuous by Continuous



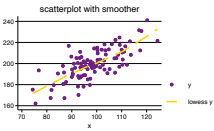
twoway scatter y x



heatplot y x



twoway (scatter y x) (lfit y x)



twoway (scatter y x) (lowess y x)

Stata commands are in `monospaced font`

I do try to present the simplest version of a command, but in fact make use of options like `fcolor`, `mcolor`, and `lcolor` 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.

<https://agrogan1.github.io/>, agrogan@umich.edu