

The 411 of Kernel Density Curves

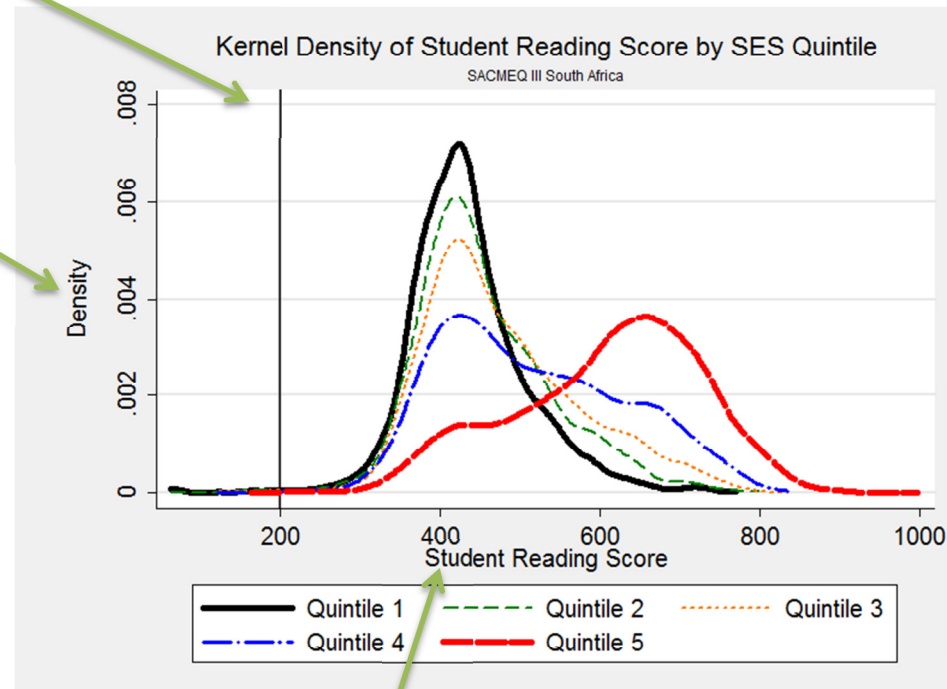
`xline(200, lcolor() lwidth()) xlabel (200(200)1000)`
`200(200)1000` means the x-axis must start at 200 and increase in 200's until 1000

`title(Kernel Density of Student Reading Score by SES Quintile, size(medium)) subtitle(SACMEQ III South Africa, size(vsmall))`

`ytitle(Density, margin(medium))`
`margin(medium)` means slightly further away from the y-axis

`s2color`
`s2mono`
`s2manual`
`s1color`
`s1color`
`s1mono`
`s1manual`

`economist`
`sj`



`(order(1 "Quintile 1" 2 "Quintile 2" 3 "Quintile 3" 4 "Quintile 4" 5 "Quintile 5") cols(3)) scheme(s2mono)`
`cols(3)` means 3 columns – as in 3 columns in the legend

`xtitle(Student Reading Score)`

`kernel(gaussian) lcolor(green) lwidth(medium) lpattern(dash)`

```
twoway (kdensity lanscore if SESquintile==1 [aweight = pweight2], kernel(gaussian) lcolor(black) lwidth(thick) lpattern()) /*
*/ (kdensity lanscore if SESquintile ==2 [aweight = pweight2], kernel(gaussian) lcolor(green) lwidth(medium) lpattern(dash)) /*
*/ (kdensity lanscore if SESquintile ==3 [aweight = pweight2], kernel(gaussian) lcolor(orange) lwidth(medium) lpattern()) /*
*/ (kdensity lanscore if SESquintile ==4 [aweight = pweight2], kernel(gaussian) lcolor(blue) lwidth(medthick) lpattern()) /*
*/ (kdensity lanscore if SESquintile ==5 [aweight = pweight2], kernel(gaussian) lcolor(red) lwidth(thick) lpattern()) /*
*/, xline(200, lcolor() lwidth()) xlabel (200(200)1000) ytitle(Density, margin(medium)) xtitle(Student Reading Score) /*
*/ title(Kernel Density of Student Reading Score by SES Quintile, size(medium)) subtitle(SACMEQ III South Africa, size(vsmall)) legend/*
*/ (order(1 "Quintile 1" 2 "Quintile 2" 3 "Quintile 3" 4 "Quintile 4" 5 "Quintile 5") cols(3)) scheme(s2mono)
```

Default
Zero
Minuscule
Tiny
v. Small
Small
Medium small
Medium
Medium large
Large
v. Large
Huge
v. Huge
Half tiny
Third tiny
Quarter tiny
Automatic
Tenth
Quarter
Third
Half
Full

Default
None
vvv. Thin
vv. Thin
v. Thin
Thin
Medium thin
Medium
Medium thick
Thick
v. Thick
vv. Thick
vvv. Thick

Default
Solid
Dash
Dot
Tight dot
Long-dash
Vshortdash
Long-dash dot
Dash dot
Short-dash
Short-dash dot
Dash_dot_dot
Longdash_shortdash
Longdash_dot_dot
Shortdash_dot_dot
Blank
Dash_3dot
Longdash_3dot

Color Map of Standard Stata Colors

