The most common file I used is `\documentclass[preprint,aos]{imsart}` and the `\linewidth` is 5.61893in, 14.26724cm, 406.0pt, 404.48221bp.

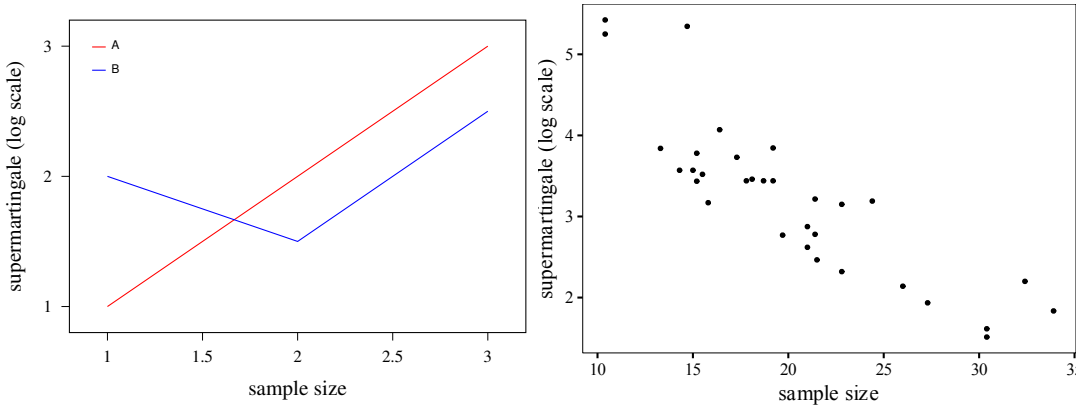
To be consistent about the unit used in different plotting, *inch* is used as `matplotlib` only use inches (integer). Another thing to note that 1 in is 72.27 pt while other is 72 pt.

The exact code to reproduce the plots in R and TikZ are in the same folder. However, the TikZ did not output a pdf file at 2.8x2.1in despite explicit specification. No solution is found so I will stick to R for the time being.

Between subfigure, a small spacing is added.

TABLE 1
Suggested width and height in cm for 4:3 aspect ratio

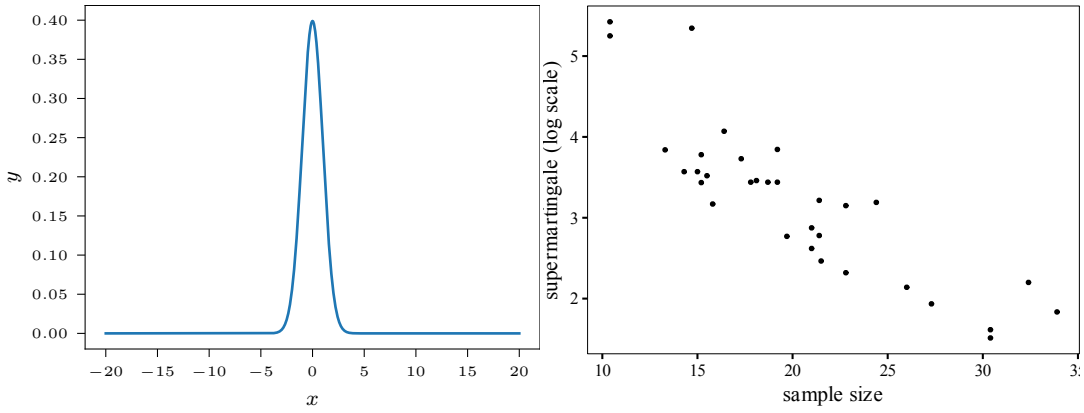
	width	height
Single plot	12.8	9.6
Two plots	6.4	4.8



(a) TikZ (b) R

Fig 1: TikZ vs R plots, exact physical size, no scaling.

The takeaway is that one should be consistent and it is extremely difficult to achieve such with different plotting languages. This is on itself a *strong* argument to plot everything in on project in R or TikZ or Python.



(a) Python (b) R

Fig 2: Python vs R plots, exact physical size, no scaling.