

# Report - Homework 1

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By the end of this course, I aim to have a solid understanding of the main computational tools used in (theoretical) Physics.

I have been using Python, LaTeX and Git for a couple of years now but I've never been explained *how* to use them properly, relying instead on quick and mindless Google searches to fix the issues.

I consider myself relatively competent in using LaTeX, which I used for note-taking all throughout my undergraduate studies and for writing both my bachelor's and master's thesis. On the other end, being a bit self-conscious about (my lack of) skills, I tend to limit the use of Python and Git as much as possible

I would like to gain confidence in my computational skills, stop seeing them as one of my weaknesses, and introduce some numerics in my work.

After completing my PhD, I plan to seek a career in academia.

My GitHub account is called *MatteoDellAcqua6121*.

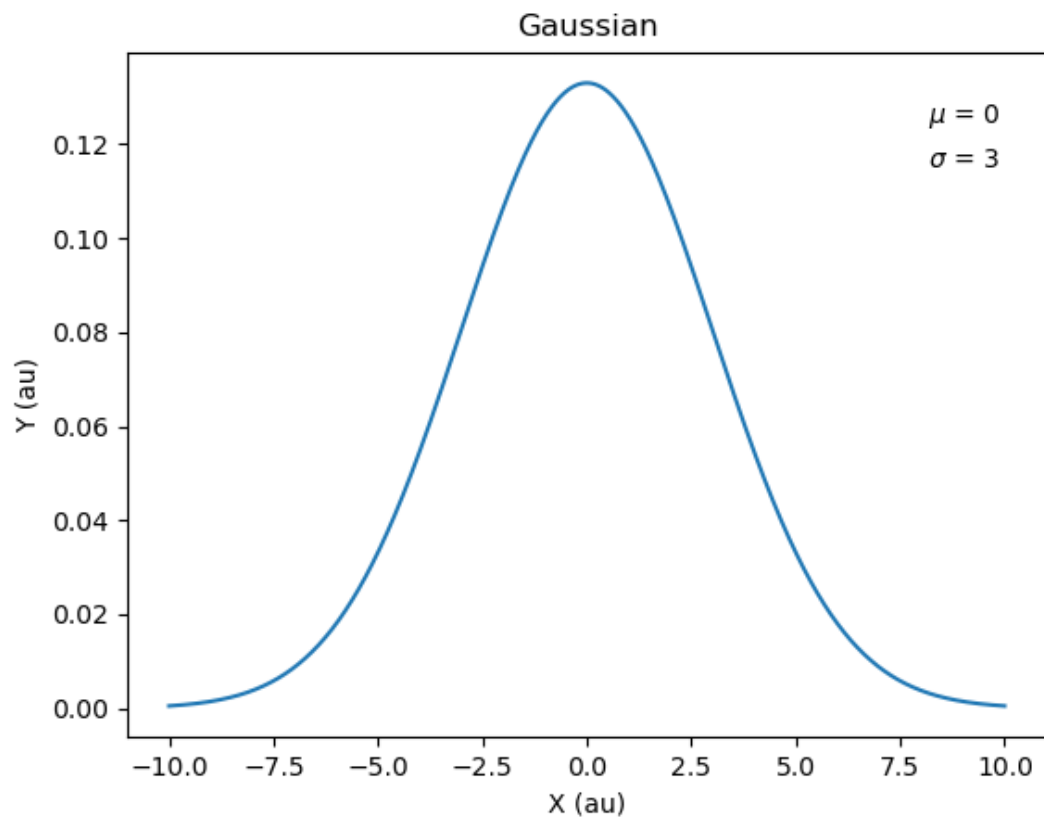


Figure 1: Plot of a normalized Gaussian mean  $\mu = 0$  and a standard deviation  $\sigma = 3$  (in arbitrary units) over the range  $[-10, +10]$ .