

Phys-GA2000 PS-1

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1 Introduction

My goals for the course are to become comfortable again debugging, reading and writing code. I've taken a computational physics course before, but it was a few years ago in undergrad. After my degree I don't know what I plan on doing, I had initially considered becoming a professor at a teaching university, but now I am considering going into science communication.

2 Methods

Wrote a function that takes an input and returns the gaussian weight of that value with mean zero and standard deviation 3. Then plotted it with 1000 points between -10 and 10.

3 Results

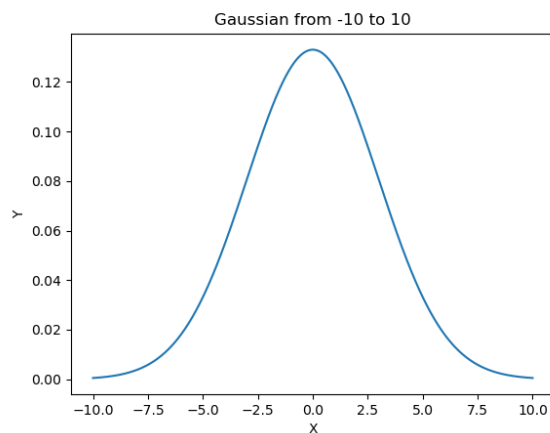


Figure 1: Gaussian from -10 to 10 with standard deviation 3. No units given as this is just a plot of the function.

4 Discussion

There isn't really much to discuss with this. It's as expected. To double check I compared my gaussian with other online plotters and mine matched up. My github is github.com/surfacespider