Problem Set 1

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September 6, 2023

1   Introduction

I minored in computer science during my undergrad so I have some background in Data Structures, Object Oriented Programming, Algorithms, and Data Analysis with varying degrees of experience in each topic. I have mainly coded in C++, Python, and have some experience in R.

Through this course, I'd like to learn skills to help complement my skills as an experimentalist. I'd like to learn to write efficient and easy to read code to help with data analysis and problem solving. I currently do not know what I will enjoy doing after my degree is finished but hope to figure this out in the next few years.

2   Gaussian Distribution

Figure 1 is the PNG generated by the python script written for the second problem in Problem Set 1.
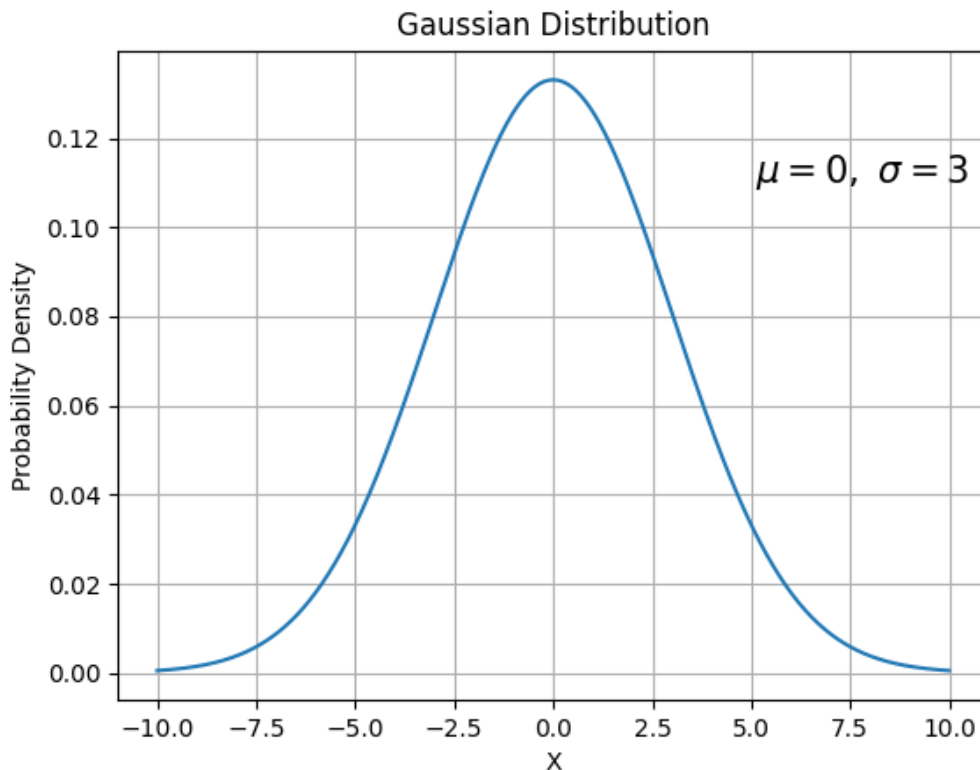

Figure 1:   Gaussian distribution with a mean of 0 and a standard deviation of 3.

3   GitHub

My GitHub username is pnrana. You can find my solutions to the problem sets in the phys-ga2000 repository for this course.