

Problem Set 1

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1 Goals for this course

I want to learn how to solve some physics problems with computer skills like how to solve some of the differential equations. Although I used programming to do a lot of tasks in the past, most of them were all about data analysis. Besides, learning Python is useful to me because, in my future lab, Python is the most popular language. I want to be familiar with Python in this course.

2 Background in programming

In my previous research, I used C++ for ROOT (in high energy physics). And I think I was really familiar with it at that time. I can use it to do some complex data analysis. I also learned Matlab, and IDL in soft matter research to track particles and did the data analysis. I also tried a little Python at that time to use OpenCV to process images. But unfortunately, I was not very good at it and I forgot it right now.

3 Plans after your degree is finished

It depends. If I still have enthusiasm for academics, I might try to find a teaching position. If not, going to the industry to do something exciting to put the research result in use is also attractive to me.

4 Name of my GitHub account

My Github account name is yktaykketo.

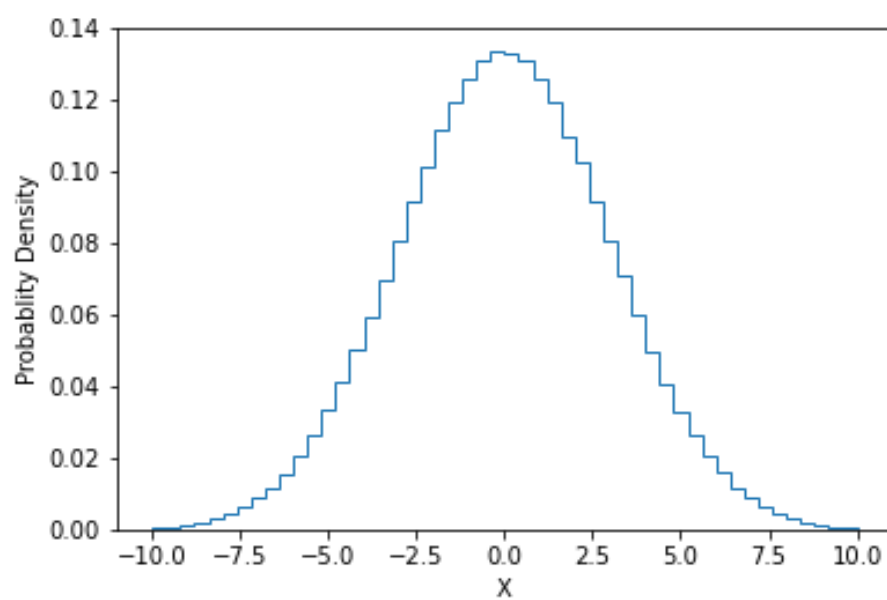


Figure 1: This is an Gaussian distribution.