

Computational Physics PS-1 Report

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September 9, 2024

Abstract

This is my report for problem set 1. I briefly wrote about my goals for this course, my background in programming, and my plans for the future. I familiarize myself with `matplotlib` and `numpy` in Python to plot a Gaussian with a mean of 0 and a standard deviation of 3.

1 Goals, Background, and Plans

My goals for this course include learning some computational techniques that will be helpful for research, fulfilling the PhD requirement, and striving to get a good grade.

I have learnt some basic C++ in high school. I have taken a Python programming course in my undergraduate study. In my undergraduate research, I have used Jupyter Notebook for simulation projects.

I want to do a postdoc after obtaining my PhD and find a job in academia. But I can also accept working in industry.

2 Plotting a Gaussian

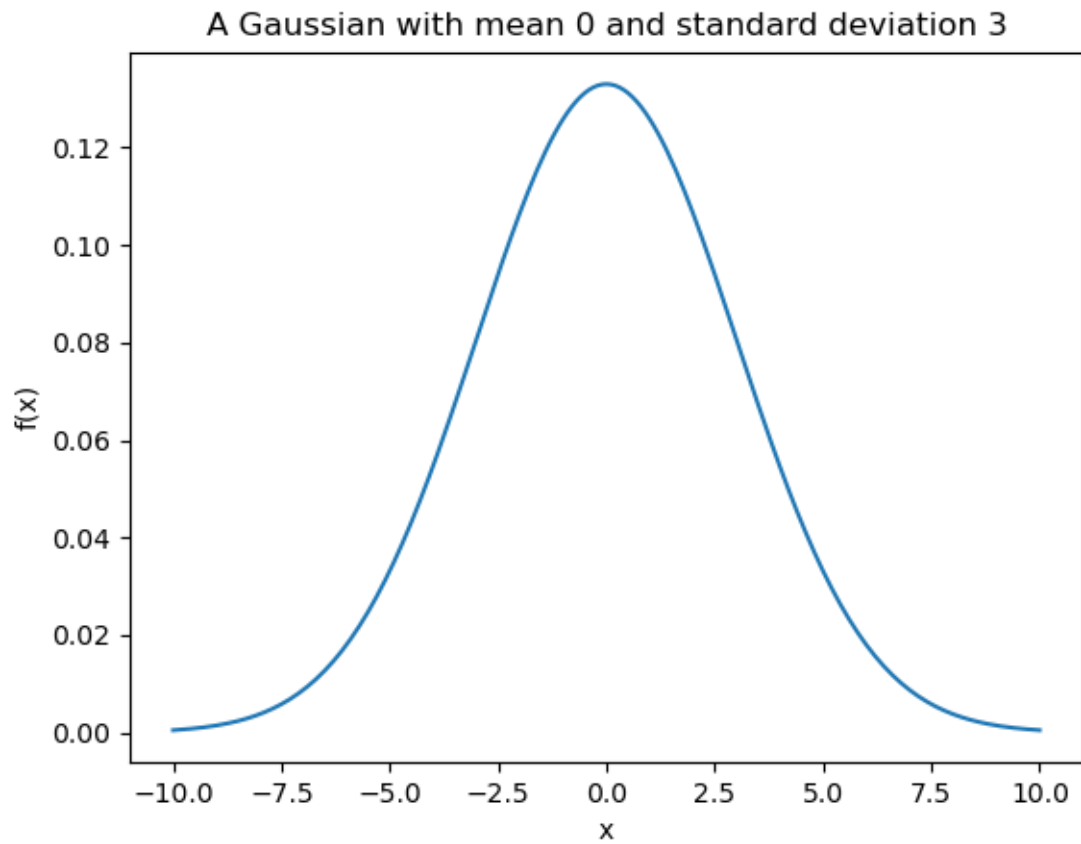


Figure 1: A Gaussian with mean 0 and standard deviation 3.