

Assignment 1. Report

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Abstract

This report is devoted to the author's goals for this course, his background in coding/numerical methods and his plans after graduate school. At the end the reader can find a PNG file of a Gaussian $\mathcal{N}(0, 9)$ and a GitHub account.

1 Goals for this course

I have not been using any numerical computations in my research before, so my knowledge of numerics is not particularly fresh. So my main goal is to refresh all what I have in my memory about simulations and I would be happy to extend my skills in this area.

2 Background in coding/numerics

During my undergraduate studies, I took several courses on programming and numerical methods. First I was taught to write code on C++, however, later it turned out to be more convenient to hand in all projects in python (but it was mostly self-taught). Speaking about numerics, I have done a basic course where differentiation, integration and ODEs were discussed. Also I did numerical methods for theoretical physics, where we were studying methods specific to theorists needs: QM spectra, evolutionary equations that arise in cosmology, ...

3 Plans after a PhD

Well, I always wanted to help all homeless puppies in the world. I guess, with PhD qualifications I will be the best fit to any team that takes care of poor puppies.

4 A Gaussian and a GitHub account

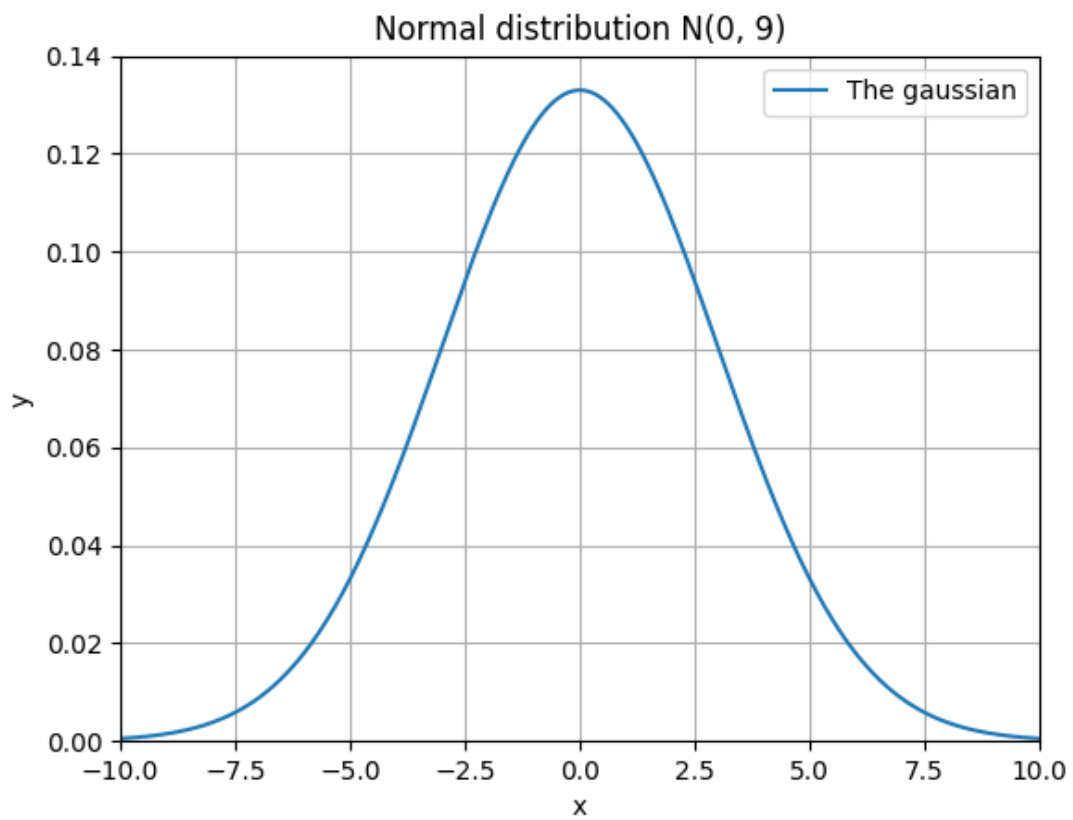


Figure 1: A nice Gaussian $\mathcal{N}(0, 9)$ to make your day a little better.

My GitHub account: PalPaulD