

Day 1 Notes

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1 Introduction to Calculus

In calculus, we typically learn about limits, derivatives, and integrals. In calculus, we typically learn about limits, derivatives, and integrals. In calculus, we typically learn about limits, derivatives, and integrals. In calculus, we typically learn about limits, derivatives, and integrals. In calculus, we typically learn about limits, derivatives, and integrals.

A key to all of this is the concept of a function. Consider the function $f(x) = x^2$. As we begin, consider also the more complicated function,

$$g(x) = \frac{1}{\sigma\sqrt{2\pi}} e^{-\frac{(x-\mu)^2}{2\sigma^2}}$$