

Section 4.1: Probability Distributions for Continuous Random Variables

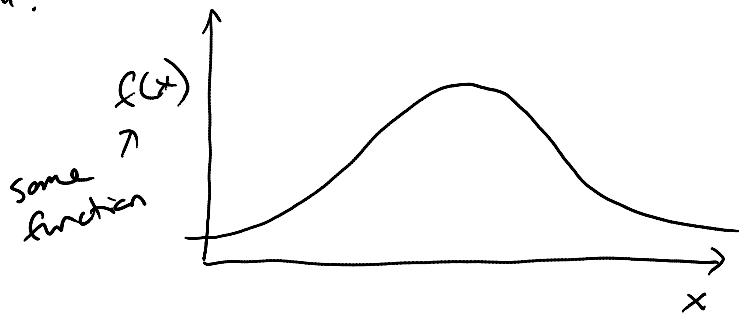
Tuesday, June 02, 2015
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Continuous random variables - have an infinite number of possible values

→ what, then, is the probability of getting a particular value?

it's identically zero (!?!)

how to deal?



↑
continuous variable

you represent the data by a nice continuous curve where

$f(x)$ = probability density function

and the probability of x being between a and b is the area under the curve between a and b