Probability Distributions

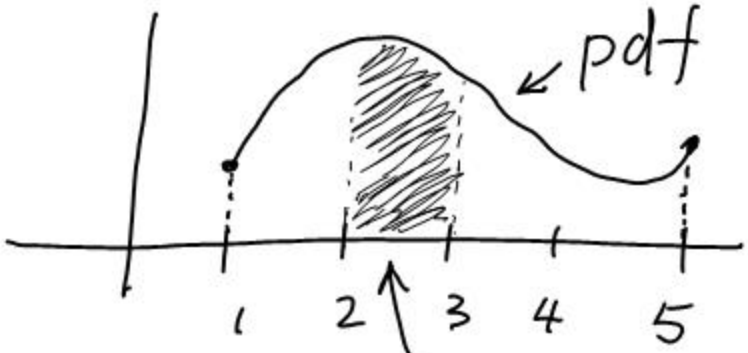
Discrete

X	0	1	2
P	1/4	1/4	1/2

- special discrete distribution: the Binomial Distribution

$B(n, p)$

Continuous

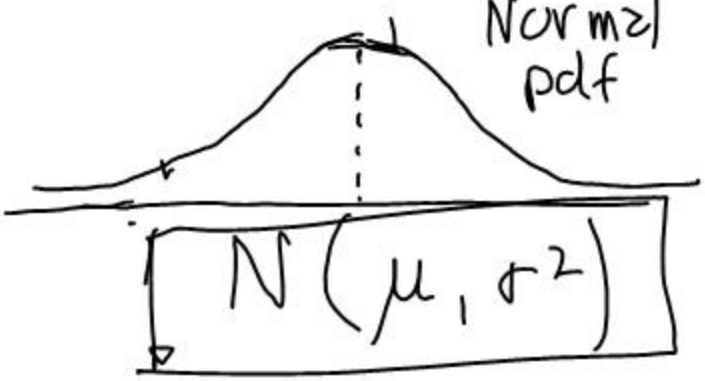


$P(2 \le X \le 3)$ = area

pdf = probability density function

A pdf graph has 1 unit area under it.

- special continuous distribution: The Normal distr.



$N(\mu, \sigma^2)$