Poisson distribution

The Poisson distribution is a discrete probability distribution that express the probability of a given number of events occurring in a fixed interval of time and/or space if these events occur with a known average rate and independently of the time since the last event.

Cumulative distribution function

$a := \text{curve2d}\big(\text{poissondist}(k, 1), k, 0, 20, 21\big)$

$b := \text{curve2d}\big(\text{poissondist}(k, 4), k, 0, 20, 21\big)$

$c := \text{curve2d}\big(\text{poissondist}(k, 10), k, 0, 20, 21\big)$

Name	Title	Color	Origin
a	$\lambda = 1$	--------	
b	$\lambda = 4$	--------	
c	$\lambda = 10$	--------	

Poisson - Cumulative distribution function