

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.

Probability density function

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

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

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

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

