



- Discrete view of Poisson process: split time into small intervals Δt , each treated as a Bernoulli trial with $p = \lambda \Delta t$ (an event occurring in Δt is treated as a success).
- Sum of m i.i.d. Geometric (p) random variables is Negative Binomial (m, p).
- Sum of m i.i.d. Exponential (λ) random variables is Erlang (m, λ).