DBernoulli $f(x) = \begin{cases} P & E(x) = P \\ I-P \end{cases}$ Var(x) = p(1-P) X~Bernoulli (A)

Binom Distrib: $f(x) = \binom{n}{2} p^{x} (1-P)^{n-x} E(x) = np$ Var(x) = np(1-P) X~Bino (n; P)

Poisson Process: $f(x) = \frac{e^{-2x}(2x)^{x}}{x!} E(x) = 2t$ Var(x) = 2t X~Poisson (2t)

periods

D single binary choice of trials of repeated, indep Bernoulli trials of Independent, Individual, Homogenous events @2 per unit of time aug.