New Distribution and Its Applications in Lifetime Data

Dr. Sihem Nedjar

National Hight School of Technology and Engineering, LTS laboratry, 23005, Annaba Algeria

Abstract:

This The paper proposes a recent version of compound Poisson distributions named Poisson gamma Lindley (PGaL) distribution by compounding Poisson and gamma Lindley distributions. Some properties of the distributions are given with estimation and some illustrative examples.

Keywords:

Lindley distribution, Poisson distribution, Poisson Lindley distribution, gamma Lindley distribution, maximum-likelihood estimation