Abstract

In this paper, a new distribution called Exponential Lomax distribution is introduced. It is seemed that the parameter values of our new distribution are depending on decreasing and upside-down bathtub failure rate function. Also, the statistical properties of this model are studied, such as, quantiles, moments, mean deviation. Moreover, maximum likelihood estimators of its parameters are discussed. Finally, the procedure is illustrated by real data set. It is shown that the introduced model is more competitive than other models.

References

Exponential Lomax Distribution


Index Terms

Computer Science

Software Engineering

Keywords

Exponential Lomax distribution
Lomax distribution
moments
quantiles and
Maximum likelihood estimation.