

1135-VT-2573 **Mehdi Razzaghi*** (mrazzagh@bloomu.edu). *An Extension of the Log-Lindley Distribution with Application*. Preliminary report.

Since the introduction of the Lindley distribution in the late 1950's several generalizations and modifications have been considered by several authors. Recently, however, the log-Lindley distribution was introduced by some researchers with many interesting properties and features, and with extensive applications in insurance and economics. The advantage of the log-Lindley distribution is that it can be regarded as an alternative to beta distribution. This latter distribution serves as a very flexible model in a variety of set ups and therefore, in theory, the log-Lindley distribution has the potential of being a very important model in various applications. Here, we introduce the log-Lindley-normal distribution as an alternative to the beta-normal model. The properties of this new proposed model are explored and an application is discussed. (Received September 26, 2017)