

1145-VT-2275      **Raid M Al-Aqtash\*** (alaqtash@marshall.edu), One John Marshall Drive, COS - Department of Math, Smith Hall 721, Huntington, WV 25755, and **A Mallick** and **G G Hamedani**.  
*Gumbel-Burr XII Distribution; Inference and Application.*

The Gumbel-Burr XII (GBXII) distribution appeared in 2017. Some statistical properties have been studied. In this project we present additional properties on the distribution of order statistics, parameter estimation, simulation and inference. Real life data are used to illustrate the application of the GBXII and to test the significance of distribution parameters. (Received September 25, 2018)