

1135-VT-2953 **Ahmad Alzaghal*** (ahmad1.alzaghal@farmingdale.edu), NY 11735. *A new gamma-Pareto distribution: Properties and Applications*. Preliminary report.

A new gamma-Pareto distribution is introduced and studied. Some of its properties are discussed. The method of maximum likelihood is used to estimate the new gamma-Pareto distribution parameters. The flexibility of the new gamma-Pareto distribution is illustrated by applying it to real data sets and the results compared with other distributions. (Received September 26, 2017)