Louis R. Camara* (louis.camara@mga.edu), 1100 Second St. SE, Cochran, GA 31014. On the Gamma-Logistic-Pareto Distribution.

The Gamma-Logistic-Pareto distribution is defined and studied. Several of its properties are derived. The structural analysis of the distribution including moments, quantiles, mode, kurtosis, skewness, order statistics, and Shannon's entropy are derived. Model parameters are estimated. As an application, the Gamma-Logistic-Pareto distribution is used to model a real data set. (Received September 24, 2018)