

# **A Probability Model Involving the Use of the Zero-Truncated Yule Distribution for Analysing Surname Data**

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In this paper, a probability model leading to a Yule distribution is developed in the study of surname frequency data. This distribution, suitably truncated, is fitted to actual data as an alternative to the discrete Pareto distribution, with quite satisfactory results.

*Keywords:* discrete Pareto distribution; Yule distribution.