

MODELS LEADING TO THE
BIVARIATE GENERALIZED WARING DISTRIBUTION

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ABSTRACT. This paper is concerned with the study of models that generate the bivariate generalized Waring distribution. Urn, mixing, conditionality, STER and exceedance models are considered as well as models based on the structural properties of the distribution. The bivariate generalized Waring distribution is shown to belong to the Pearson's system of bivariate discrete distributions and its relationship with bivariate continuous Pearson distributions is examined. Limiting forms of both discrete and continuous type are derived.