

A GENERATING MODEL INVOLVING
PASCAL AND LOGARITHMIC SERIES DISTRIBUTIONS

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*Key Words and Phrases: Generating model; weighted distributions;
logarithmic series distribution; Pascal distribution;
damage model; stochastic abundance.*

ABSTRACT

This paper considers a model where an original observation from a discrete distribution generates, according to a certain mechanism, another observation. A special case with the logarithmic series distribution as the original distribution and the Pascal distribution as the generating mechanism is examined. The interpretation, implications and applications of the results are discussed.