

ON CHARACTERIZING SOME DISCRETE DISTRIBUTIONS
USING AN EXTENSION OF THE RAO-RUBIN
THEOREM

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SUMMARY. In a recent paper, Shanbhag (1977) uses an elementary approach from renewal theory to give an extension of a characterization of the Poisson law by Rao-Rubin (1964). In the present paper, a variant of Shanbhag's result is introduced. Using Shanbhag's and this result, several characterizations of truncated and untruncated distributions are obtained.