

Panjer class united – one formula for the Poisson, Binomial, and Negative Binomial distribution

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Abstract

This paper gives a formula representing all discrete loss distributions of the Panjer class (Poisson, Binomial, and Negative Binomial) in one. Further it provides an overview of the many Negative Binomial variants used by actuaries.

Keywords

Panjer class, discrete loss distribution, Negative Binomial