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# A note on complete convergence for arrays

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## Abstract

We extend and generalize some recent results on complete convergence for independent non-identically distributed random variables (cf. Duncan and Szynal, 1984; Gut, 1992; Hu et al., 1989). In the main result no assumptions are made concerning the existence of expected values or absolute moments of the random variables. Some well-known results from the literature can be easily obtained from our theorem. © 1998 Elsevier Science B.V. All rights reserved.

## Keywords

Array, Complete convergence, Rowwise independence, Strong law of large numbers, Sums of independent random variables