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Variation independent parametrizations of multivariate categorical distributions. (English)

[Zbl 1137.62344](#)

Cuadras, Carles M. (ed.) et al., Distributions with given marginals and statistical modelling. Papers presented at the meeting, Barcelona, Spain, July 17–20, 2000. Dordrecht: Kluwer Academic Publishers (ISBN 1-4020-0914-3/hbk). 21-27 (2002).

Summary: A class of marginal log-linear parameterizations of distributions on contingency tables is introduced and necessary and sufficient conditions for variation independence are derived. Connections with the well-known marginal problem are discussed.

For the entire collection see [[Zbl 1054.62002](#)].

MSC:

[62H17](#) Contingency tables

[62E99](#) Statistical distribution theory

Keywords:

decomposibility; log-linear parameters