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Maximisation de l'association entre deux variables qualitatives ordinales. (Maximization of the association between two ordinal qualitative variables). (French) [Zbl 0635.62048](#)
[Math. Sci. Hum. 100, 49-56 \(1987\).](#)

Summary: We consider a raw index which can be used as a basis of the construction of a large family of association coefficients between two total preorders on a finite set of objects. To standardize such coefficients, we study the problem of an algorithmic construction of a specific configuration of the contingency table which crosses the two total preorders. We establish the optimality of the proposed solution. This last is obtained in order to maximise the raw index, under the constraints of fixed margins.

MSC:

[62H17](#) Contingency tables

[62H20](#) Measures of association (correlation, canonical correlation, etc.)

Keywords:

[association coefficients](#); [total preorders](#); [raw index](#); [fixed margins](#)

Full Text: [Numdam](#) [EuDML](#)