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Multivariate measures of concordance

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Abstract In 1984 Scarsini introduced a set of axioms for measures of concordance of ordered pairs of continuous random variables. We exhibit an extension of these axioms to ordered n -tuples of continuous random variables, $n \geq 2$. We derive simple properties of such measures, give examples, and discuss the relation of the extended axioms to multivariate measures of concordance previously discussed in the literature.

Keywords Copula · Concordance · Measures of association · Multivariate measures of association