



SIMULTANEOUS ANALYSIS OF SEVERAL PAIRS OF ECOLOGICAL TABLES: THE CO-ATPS METHOD

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Abstract

The problem of link analysis between two vertical multi-tables has been solved for the first time in STATICO method. But the STATICO method has the disadvantage of providing in some cases uninterpretable compromises because of default of Partial Triadic Analysis that gives weighting coefficients that are not all of the same sign in some cases. In this article, we propose two methods called CO-ATPS and ATPSCO. The first solves the same question about the relationship between two vertical multi-tables or two cubes and the second only in the case of two cubes. The CO-ATPS method is applicable even if the weighting coefficients are not all the same sign. To show the interest of our approaches, we use a set of environmental data already processed by some authors.

Keywords and phrases: partial triadic analysis, STATIS, co-inertia analysis, STATICO, CO-ATPS.

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