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Application of the fourfold tables method for analysis of dynamics of social systems

Shikhalev A., Panasyuk M., Burilov A.

Kazan Federal University, 420008, Kremlevskaya 18, Kazan, Russia

Abstract

The problem of comparison of statistics expressed in quantitative scale, when the use of all possibilities of statistical analysis is methodologically limited is discussed. The model of analysis of the dynamics in short time series, including that with barely discernible levels, using standardized fourfold table in terms of linguistic variable is considered. Such approach allows building the mapping of statistical point indexes from quantitative scale to order (rank) scale, and forming groups according the studied parameter with a given discrepancy level - weak, significant, strong and absolute.

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Keywords

Classification, Fourfold table, Fuzzy sets, Linguistic variables, Statistics, Test for concordance, Time series