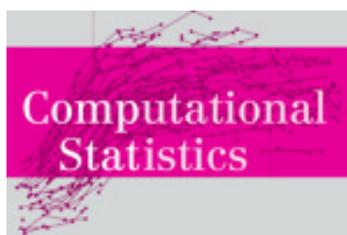


Call for Papers



Special issue on

STATISTICAL ANALYSIS OF INTERVAL DATA

In the statistical analysis of many physical, social and economic quantities, measurements are imprecise and values usually taken into account represent a mean value of a set of measures. This may occur because measurement instruments and procedures are affected by the external conditions and by the person in charge of measurements. There are also situations in which data are natively generated as intervals; let us think to the production specifications, in which a product belongs to a category if it assumes values in specified ranges. Interval data can also be defined ad hoc in order to treat specific problems in which the analysis is based on the comparison between two quantities: in some approaches for the customer satisfaction analysis the analysis consists in the study of the gap between the perceived and the ideal satisfaction. This gap can be coded in terms of interval data. Many other examples and application fields of interval data are available in the wide dedicated literature, which has had a great contributions upsurge in the latter time.

In the above mentioned cases, the use of single-valued data can cause an even severe loss of information; whereas, interval-valued data allow to take into account the variability and variation of phenomena under investigation, singly.

According to the Journal guidelines, this special issue intends to collect contributions in the Interval Data Analysis that cover methodological and applicative aspects, the discussion of computational aspects is particularly welcome. The following topics and applications fields are very far from a exhaustive list, other proposals will be carefully taken into account.

- ♦ Methodological aspects:
Numerical treatment of interval data in Statistics; Linear models (Regression and Factorial Analysis); Discrimination and Classification; Time series; Symbolic Data Analysis
- ♦ Application fields:
Customer Satisfaction; Sensorial Analysis; Data Mining; Web Mining; Economics and Finance; Statistical Quality Control

Authors should submit their papers to the special issue editor.

The papers must contain original unpublished work that is not submitted for publication elsewhere.

Manuscripts submitted to the special issue will be referred to standard procedures for Computational Statistics.

Instructions for authors are available at the journal website <http://comst.wiwi.hu-berlin.de>.

The submission **deadline** is April 15, 2005. Electronic format submission is strongly encouraged.

Papers must be addressed to the special issue editor:

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