

COMPUTATIONAL STATISTICS AND DATA ANALYSIS

CALL FOR PAPERS

Special Issue on

ADVANCES IN DATA MINING AND ROBUST STATISTICS

<http://www.journals.elsevier.com/locate/csda>

We are inviting submissions for a special issue of Computational Statistics and Data Analysis focusing on Advances in Data Mining and Robust Statistics.

The main aim of data mining is to extract knowledge from, usually very large, datasets. Data mining techniques are often applied to gain initial insights about the data and complement statistical models. This special issue focuses on the interface between data mining and statistical modelling, with special emphasis on robust statistics. Very large datasets, especially those that are machine generated and undergo limited quality control, are likely to contain outliers and anomalous measurements. The analysis of such datasets requires statistical approaches that are both computationally efficient and robust against outliers and mild departures from model assumptions. The broad scope includes, but is not limited to, visualization techniques for very large and complex data, including relational data, data analysis algorithms including optimisation and search techniques, methodologies to draw inference on patterns and subgroups, robust models, outlier detection methods, and the analysis of dependencies.

The papers submitted to the special issue must have a computational statistics or data analytic component in order to be considered for publication. All submissions must contain original unpublished work not being considered for publication elsewhere. Submissions will be refereed according to standard procedures for Computational Statistics and Data Analysis. Information about the journal can be found at <http://www.journals.elsevier.com/locate/csda>.

The deadline for submissions is **30 April 2014**. However, papers can be submitted at any time and once they are received, they will enter the editorial system immediately.

Papers for the special issue should be submitted using the Elsevier Electronic Submission tool EES: <http://ees.elsevier.com/csda>. In the EES, please choose the special issue on *Data Mining and Robust Statistics* and the Co-Editor responsible for special issues.

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