2nd Special Issue on

# ROBUST ANALYSIS OF COMPLEX DATA

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

Nowadays we are often confronted with large data sets in high dimensions. These new types of data have led to the emergence and use of complex models such as graphical models, models for complex correlation structures and models for functional data for instance. These complex structures pose many challenges. Specifically, when many measurements on several variables are recorded, it becomes more likely that not all of these measurements are recorded with high accuracy. This may result in data of uneven quality that contains gross errors and other anomalies that need to be taken into account. Therefore, there is a need for robust procedures that can reliably analyze large data sets containing outliers and other data contamination. This special issue will focus mainly on computationally efficient, robust procedures to analyze such complex data sets.

The papers submitted to the special issue must have a computational statistics or data analytic component in order to be considered for publication. Authors who are uncertain about the suitability of their papers should contact the Editors. All submissions must contain original unpublished work not being considered for publication elsewhere. Submissions will be refereed according to standard procedures for Computational Statistics & Data Analysis. Information about the journal can be found at http://www.elsevier.com/locate/csda.

The deadline for submissions is **28th February 2016**. However, papers can be submitted at any time and when they have been received, they will enter the editorial system immediately.

Papers for the special issue should be submitted directly to the Elsevier Electronic Submission tool EES: http://ees.elsevier.com/csda In EES please ensure that you select the special issue on *Robust Analysis of Complex Data* and the Co-Editor responsible for the special issues.

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