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Compositional Data Analysis in the Data Science Era

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Message from the Guest Editors

Compositional data, namely data where the relevant information is contained in the ratios between their components or parts, and in general constrained data sets, are ubiquitous in the above-mentioned fields.

Subsequently, the need for statistical and computational methods, as well as machine learning algorithms, that consider the special nature of compositional data has increased.

This Special Issue aims to provide an overview of ongoing research in compositional data analysis. The novelty of contributions may lie in either the methodologies employed or the unique and innovative application of such methodologies to this kind of data that provides new and significant empirical insights.

Topics of interest include regression, time series, classification, and variable selection algorithms for long and/or wide-formatted compositional data.



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Special Issue