

APPLIED MATHEMATICS

Conditional aggregation: analysis and modeling

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study form: full time

Annotation: A need of aggregation of data in various areas of human activity is rapidly increasing in recent years. Actual concept of conditional aggregation presents a strong and viable tool which has not yet been further explored. The aim of this work is to develop as theoretical background for studying the constructions and properties of the conditional aggregation operators as their usage in applications related to multicriteria analysis, decision making and data fusion.

Test statistics in special multivariate models

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study form: full time

Annotation: Investigate properties and practical applications of tests in multivariate statistical models with special variance structures, especially of those which can be represented as product of beta distributions.