Application of interval linear algebra in data estimation

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Abstract

There are various methods handling estimation of interval data. In our talk we focus mainly on least squares approach which can be solved by means of (interval) linear algebra. We show and discuss various methods of computing such estimation. We illustrate this approach on data obtained during children lung function diagnostics – multiple-breath washout procedure. Based on these examples, we discuss what kind of new insight into data interval estimation methods actually bring.

Keywords

Interval data, Estimation, Least squares, Children lung function diagnostics.

References

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