

An empirical comparison between two methods for three-mode clustering

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Abstract

Basford and Hunt (this conference) outlined and explained three-mode mixture method of clustering based on maximum likelihood estimation. Miyano (this conference) showed how to simultaneously cluster and model three-mode data using a simulated annealing algorithm. In this presentation, both methods are empirically compared and a first attempt is made to evaluate their relative merits. This investigation is based on the empirical analyses of a limited number of real data sets, in particular Osgood's triple personality data, Basford's soybean data and Van IJzendoorn's Strange Situation data. Given the limited experience so far only very preliminary conclusions will be made.

References

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