

## Accepted Manuscript

Title: Efficient Mining Product-Based Fuzzy Association Rules through Central Limit Theorem

Author: Zhongjie Zhang Witold Pedrycz Jian Huang

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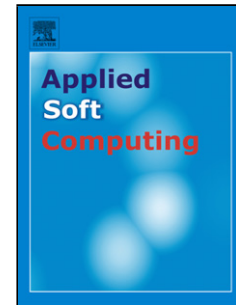
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**Highlights**

- An algorithm fast mining product t-norm based fuzzy association rules is proposed.
- Sampling is used to reduce data.
- Sample size is set through central limit theory.
- Error is limited in a small range with high probability.

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