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Dr. Jim Jansen
Editor-in-Chief
Information Processing and Management

Dear Dr. Jim Jansen,

I am pleased to submit an original research article entitled "Knowledge empowered prominent aspect extraction from product reviews" by Zhiyi Luo, Shanshan Huang and Kenny Q. Zhu for consideration for publication in *Information Processing and Management*. This manuscript builds a knowledge empowered system (ExtRA) for extracting the prominent aspects from product reviews, which benefits the analysis and summarization of customer reviews about cross-domain products or services.

In this manuscript, we show that the proposed system ExtRA benefits both qualitative and quantitative aspect-based review summarization. ExtRA can generate reasonable aspect clusters and produce the aspect terms that are both important and non-overlapping in semantics. Extensive experiments show that ExtRA outperforms multiple strong baselines by a substantial margin.

We believe that this manuscript is appropriate for publication by *Information Processing and Management* because it belongs to the topic of text information extraction and text mining. In addition, our manuscript propose the prominent aspect extraction problem as well as the evaluation dataset for future work in this research area.

This manuscript has not been published and is not under consideration for publication elsewhere. If you feel that the manuscript is appropriate for your journal, we suggest the following reviewers:

- Wenya Wang (wa0001ya@e.ntu.edu.sg)

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- Wentao Wu (Wentao.Wu@microsoft.com)

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- Seung-won Hwang (seungwonh@yonsei.ac.kr)

- H. V. Jagadish (jag@eecs.umich.edu)

Thank you for your consideration!

Sincerely yours,

Zhiyi Luo