

Detecting Multi - timescale Consumption Patterns from Receipt Data — RAG Optimized Summary

1.

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- :
- (.) 가?
- 가?
- 가 가?

2.

- (. . .) ,
- (NTF)

3. : Non - Negative Tensor Factorization (NTF)

- : $\times \times (3)$
- $x(i,j,k): i \quad k \quad j$
- PARAFAC NTF (intra - week) . (inter - week)

4.

- : /
- : + ,

5.

- : Dr.Wallet (2017.4.1 ~ 2018.1.21)
- 2,796,008
- 2,624
- : , ,

6.

- (1) (Intra - week)
-
-

-

(2) (Inter - week)

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- :

- :

7.

NTF A k - medoids 5

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, , .

8. RAG

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- 5

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