

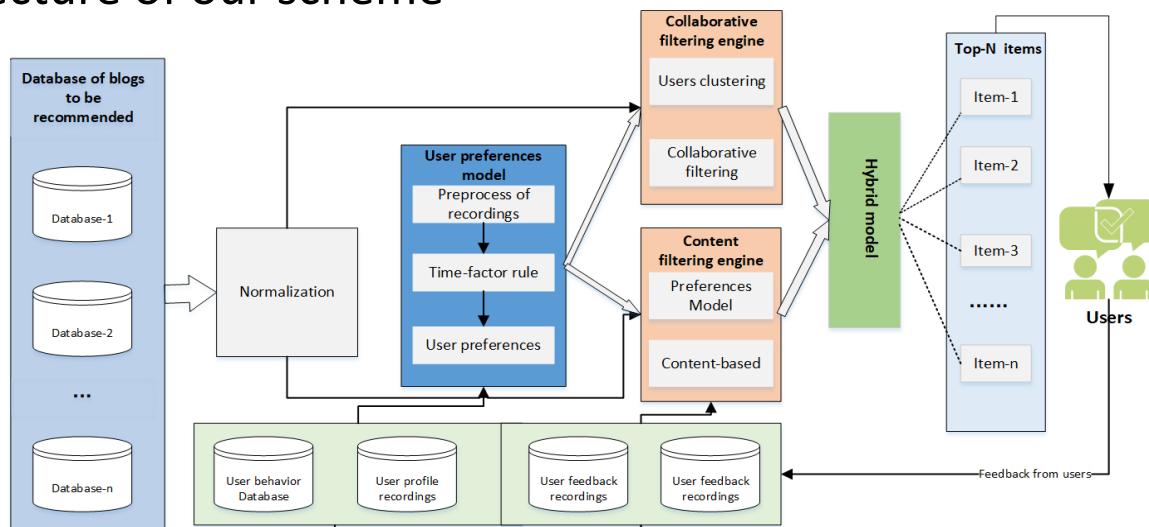
A time-aware hybrid recommendation
scheme combining
content-based and collaborative filtering

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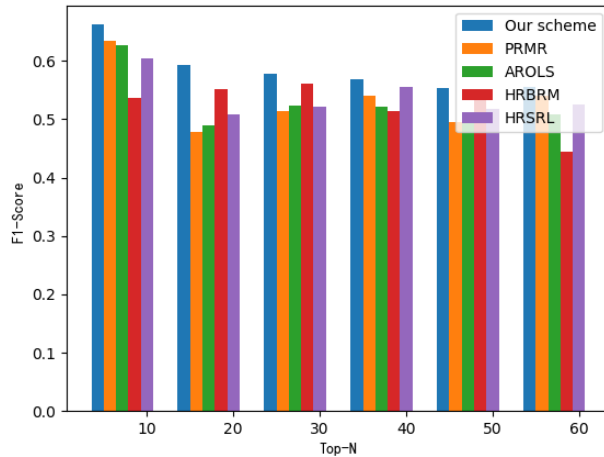
Problems & Ideas

- Problems of building user interest model
 - Lack of time awareness in user interest model
 - Lack of awareness of specific recommendation scenarios
- Ideas: pruning algorithm based on time impact factor and attention mechanism
 - Time impact factor is defined to filter user interest items
 - Attention mechanism is introduced to build user interest model
 - User feedback mechanism is built to filter the final recommendations
- The architecture of our scheme

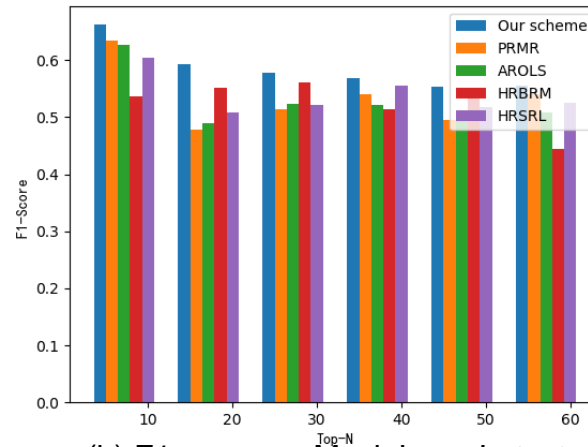


Main Contributions

- Results of F1-score on all used datasets.

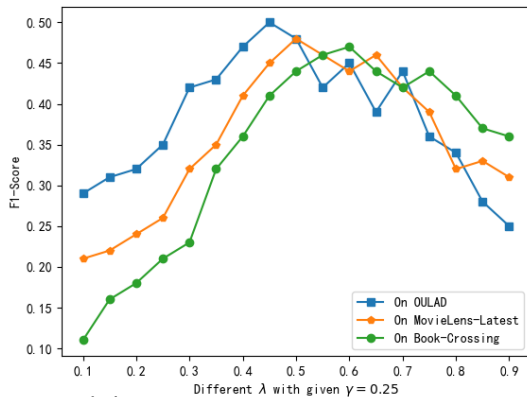


(a) F1-score on OULAD

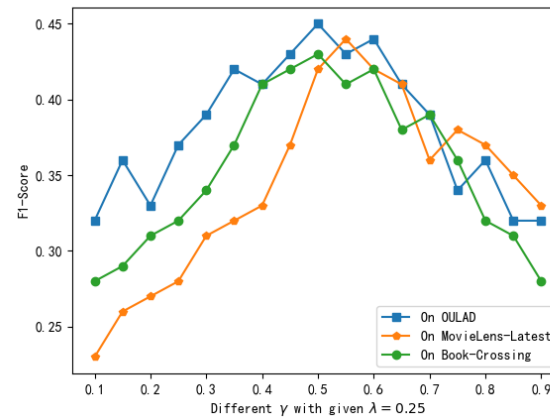


(b) F1-score on MovieLens-Latest

- Parameters study.



(a) Parameter study on λ .



(b) Parameter study on γ .