

Personalized News

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- Actuality
- Changeable Structure
- Realistic Recommendation
 - Click and rate not only criteria for recommendation
 - Users should know why this story recommend me

YouTube Recommendation

- Item to Item Recommendations
- Offline Recommendations
- Most similar with Personalized News

Netflix Recommendations

- CineMatch(Collaborative Filtering)
- Matrix Factorization

Mahout Scalable machine learning and data mining

- It has a lot of recommendation methods
- Easy to implement

Django Web Framework

- It has effective structure MVC
- Easy to develop frontend

What I have done

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- Added Recency effect into Recommendation
 - $\text{recency} = 1 / \text{now.date} - \text{news.date}$
 $f(x) = x * \text{recency} + (1 - x)$

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 $f(x) = x * \text{recency} + (1 - x)$
- Recommendations Showed to Users with Django

Conclusion

- I completed item based, user based recommendation with actuality and completed user interface with Django
- Personal, Offline, Actual, Changeable and Realistic News Recommendation

References

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