CookSmart

Final Project Presentation

Course: DATA 515

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Problem Statement

- What recipe can I make with my ingredients?
- Can Topic Modeling help?
- 50,000 Kaggle Recipe Dataset^[1] to the rescue!



Target Users



Recipe Dataset

1.

Scikit learn vs Gensim

Scikit Learn^[2]

print(datetime.now()-now)

0:02:50.851897

3. Ease of Implementation & Speed

Gensim^[3]

3. Amount of hyperparameter tuning

 Scikit Learn worked better with default hyperparameters compared to Gensim.

Scikit learn vs Gensim



Why Scikit Learn?



Evaluation Framework	Scikit Learn	Gensim
Documentation	Recommended	x
Functionality	Recommended	Recommended
Ease of Implementation	Recommended	х
Speed	x	Recommended
Hyperparameter tuning	Recommended	х

References

- [1] Dataset https://www.kaggle.com/elisaxxygao/foodrecsysv1
- [2] Scikit Learn LDA -

https://scikit-learn.org/stable/modules/generated/sklearn.decomposition.LatentDirichlet Allocation.html

[3] Gensim LDA - https://radimrehurek.com/gensim/models/ldamodel.html

THANK YOU!!

