



TED Talks

Recommendation

Explore the Best
Ideas You Like

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Project Goal

500+
TOPICS

3000+
TALKS



What if I want to watch more similar TED talks but don't want to waste time on searching?



Enter a TED talk name you like



Give other recommendations

Data Source

Method 1:

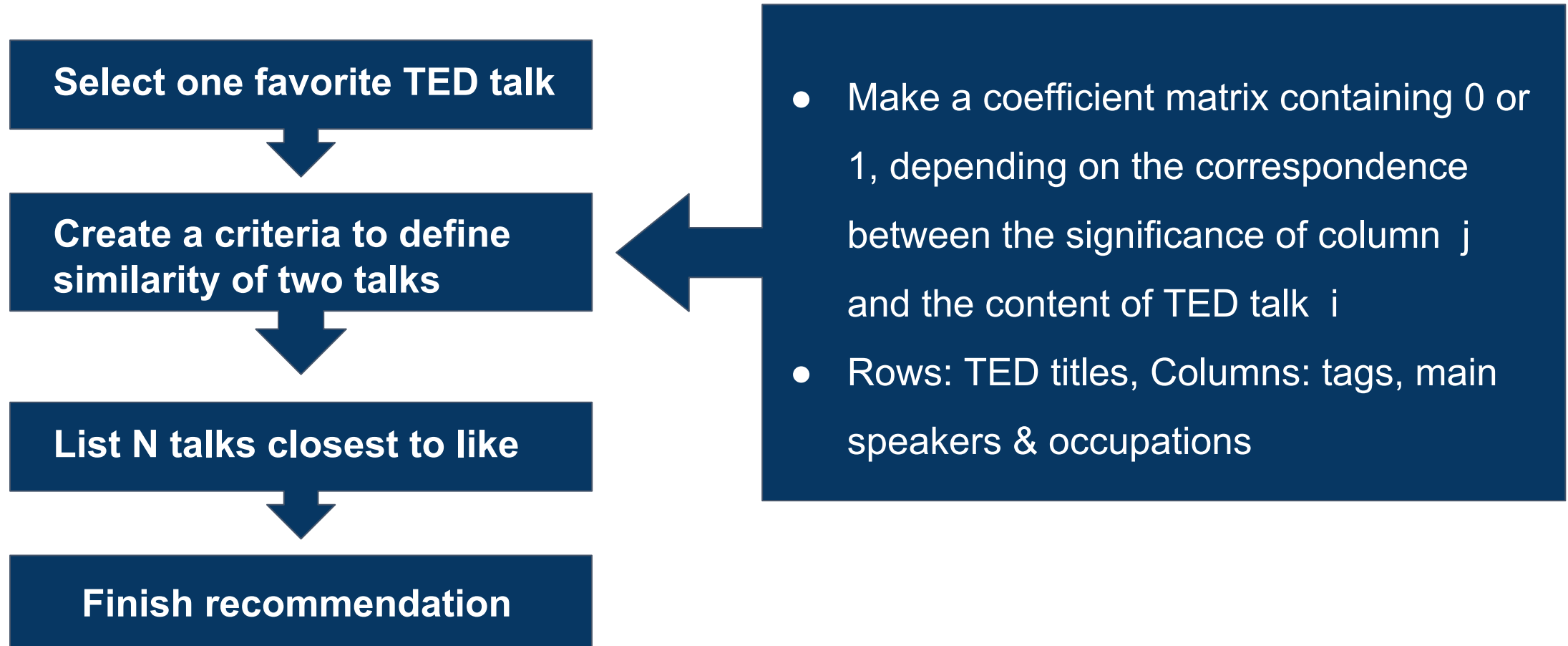
Download from Kaggle: <http://www.kaggle.com>

Method 2:

Use spider to collect data from web.

	name	title	description	main_speaker
0	Ken Robinson: Do schools kill creativity?	Do schools kill creativity?	Sir Ken Robinson makes an entertaining and pro...	Ken Robinson
1	Al Gore: Averting the climate crisis	Averting the climate crisis	With the same humor and humanity he exuded in ...	Al Gore

Method



Method

Select 5 top TED talks from the list based on a score

- 3 criteria in the score:
“rating” “number of views” “year of release”
- Score = Rating * ϕ (# of views) * ϕ (year of release), where
 ϕ is a gaussian function

$$\phi \propto \exp\left(-\frac{(x - c)^2}{2\sigma^2}\right)$$

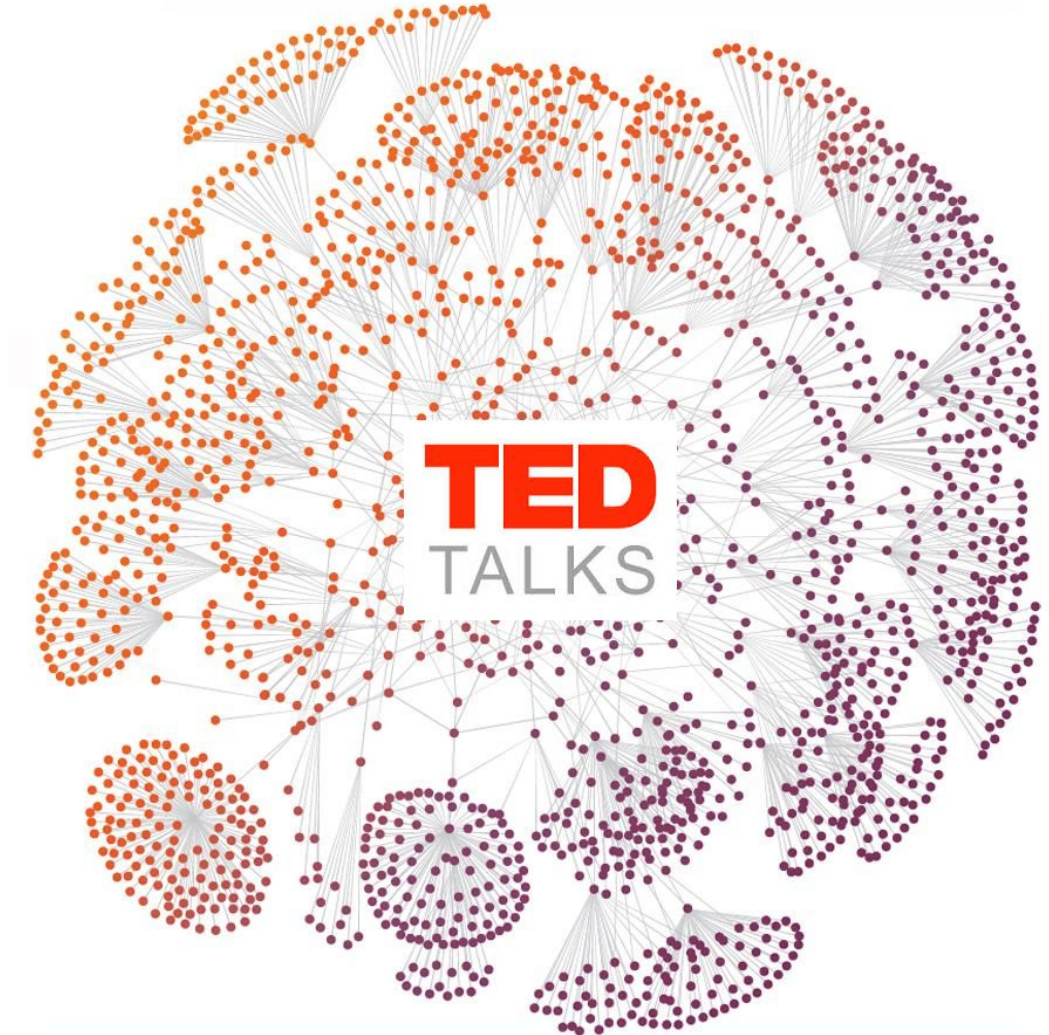
Future Improvement

- Our app can predict recommendation not only from a TED talk name, but also from “Topic” , “Speaker”.
- Test with other video websites like Bilibili, Webcast platform



Reference

- <https://www.kaggle.com/rounakbanik/ted-talks>
- <https://www.kaggle.com/fabiendaniel/film-recommendation-engine>
- Python Machine Learning Blueprints



Thank You

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