## **Text Mining 2**

## 文本表示

• TF-IDF(Term frequency - Inverse document frequency)

```
# 阅读官方文档了解3个类的用法,主要参数;
from sklearn.feature_extraction.text import TfidfTransformer
from sklearn.feature_extraction.text import CountVectorizer
from sklearn.feature_extraction.text import TfidfVectorizer
```

- 词袋模型应用
- <u>什么是Representation Learning?</u>
- word2vec
- 嵌入表示
- Gensim: Word2vec实战
- Doc2Vec
- 2016年前的文本表示回顾
- EMLO: Embeddings from Language Models
- <u>Transformer</u>
- <u>从word2vec, ELMo到BERT</u>

## 练习

## 采用Gensim

- 任务: https://zhuanlan.zhihu.com/p/52705512
- 数据: <a href="https://github.com/wolfkin-hth/novels/tree/master">https://github.com/wolfkin-hth/novels/tree/master</a>