

Machine Learning and Deep Learning Assignment1

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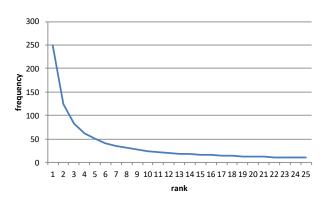
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For Local Students



- Write a program to construct dictionary of corpus ChineseDataset_Assignment1.txt. (One row indicates one news article, there are about 8000 news documents) You have to do:
 - Preprocessing: segmentation, stopword removal & remove punctuation.
 - Sort terms by term frequency and draw a figure to prof they follow Zipf's law (long-tail distribution).
 - Rank terms by global TF-IDF.
 - Save the result as a txt file.

Result format	
Term	G_TF-IDF
勇士	5 .83
金塊	4.55
大勝	3.88



- Please zip and submit to My2TMU, including (1) the result and a Figure of Zip's law, (2) the source code.
 - 3 weeks to complete, that is **2018/10/23 12:00**.

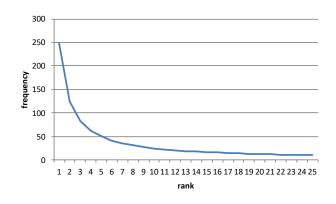
For International Students



- Write a program to construct dictionary of corpus EnglishDataset_Assignment1.txt. (there are 25000 IMDB movie reviews) You have to do:
 - Preprocessing: tokenization, stopword removal, remove punctuation, and stemming (simple normalization if needed).
 - Sort terms by term frequency and draw a figure to prof they follow Zipf's law (long-tail distribution).
 - Rank terms by global TF-IDF.
 - Save the result as a txt file.

Result format

Term G_TF-IDF like 7.33 love 5.35 awesome 4.28



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 - 3 weeks to complete, that is **2018/10/23 12:00**.