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	Guanzhang Huang Xi'an Shiyou University			
	February 27, 2020			

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adfinark=/PUT,RawelThisRage wTrans-PS-Bellem Statement

ndfmark=/PUT,RawelThisRage /w/Trans-(N/S)/Replace w/Problem Definition
Using 8 years daily news headlines to predict stock market movement
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Table 1: The head of the data								
	Date	label	Top1	• • •				
0	2008-08-08	0	b"Georgia 'downs two Russian warplanes' as cou	• • •				
1	2008-08-11	1	b'Why wont America and Nato help us? If they w	• • •				
2	2008-08-12	0	b'Remember that adorable 9-year-old who sang a	•••				
3	2008-08-13	0	b' U.S. refuses Israel weapons to attack Iran:	•••				
4	2008-08-14	1	b'All the experts admit that we should legalis	•••				
5	•••	•••	•••	• • •				

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- Get rid of the HTML tag
- Remove the punctuationCut into the word /token
- stopwords
- Reorganize into new sentences

stop words for example:

"'d", "'ll", "'m", "'re", "'s", "'t", "'ve" "ZT", "ZZ", "a", "a's" ...

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logos/tulip.eps model[ok]

128D:array([-0.29960674,0.03145241...])

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SVMCNN

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loss: 0.5941 - acc: 0.7492 - val_loss: 0.6831 - val_acc: 0.5661378/378

0.566137566138 prediction accuracy: 0.566137566138

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accuracy: 0.507936509829prediction accuracy: 0.507936507937

adfinark=/PUT,Raw:#4TehisPage) &/Thranswas (Rap) access ?PHerscore of models

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Table 2: The score of modelsmodelscore1LSTM0.5661375661382CNN0.5079365079373svm0.595238095238

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At present, we can only simply use the function call of the algorithm in NLP, and the parameter setting inside the function is still in the initial stage

I need to master a variety of natural language processing methods

The next step is to improve the quality of the algorithm based on the internal principles of the function

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