Automatic political stance detection

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Motivation



Cameron faces fight for survival as Britain sets course for Brexit

4.45am edition

- Pound plunges by 9% to lowest level since 1985
- Farage claims victory as leave stretches ahead
- Tory leave MPs pledge to back PM come what may

Arushka Asthani

Ben Quinn

this morning as Britain appeared to be on the beink of voting to leave the BU, briggering chars in the our rency markets, including the biggest even one-day fall insterling.

ing the higgest ever-one-day fall insterling. The value of the pound left by 9% as the financial markets prepared for a Brest economic shock potentially greater than Mark Medinesday in 1990.

Unity's leasine, Nigel Farsage, declared virthery to joinfant supporters aboutly affect state, and the productions now are right this will be a visitory for red people, a visitory for decreasing the redistrience people, we have disagile against the multi-nationals, against the figures hase baselinest gapting the growth of the redistrience and decrease, and today hostesty and decrease, and belief in nation 1 think more is going to self.

"We will have done it without having to fight, without a single bullet having been fixed," he said, calling it the country's "independence-day"

There was a tense mood in Downing Street while Labour remain campaigner



broke down in tears, saying people were "scared and confused".

NevempCook, cherteconomiat and head of currency strategy at WorldFirst, said: "Sterling has collapsed ... It can go a lot further as well." The pound-was trading at \$1.35, its lowest level since 1985.

Cameron in expected to address the country from Downing Steet this morning. He had earlier received the support of 86 Conservative MPs who have campaigned for our, including Bosts Johnson, Michael Geve and Chris Grayling, who said it was his "mandate and a duty to continue implementing the party's 2011 manifesto".

Hilary Benn, said he could not see how the

prime minister could remain in position.

Jenemy Corbyn, who is also facing recriminations and the possibility of a leadership challenge, will declare feitain a "divided country" and also indicate that the prime minister will need to consider



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the expected result demonstrates a split between areas of high deprivation, where people feelleft behind, and other areas. A senior Labour source said there was

A senior Labour source said there was an urgent need to address the concerns of working class communities, including over immigration and public services. But he also argued that areas with the highed levels of immigration voted to remain,

suggesting the insur-was more complex. Bestim Trains called for calm. Gusham Basky, one of the most important figures in unting the party because of his leadership of the key yor? backbeesth committee, said: "The debate over Britain's relationship with the 12th as the large way."

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Pipeline

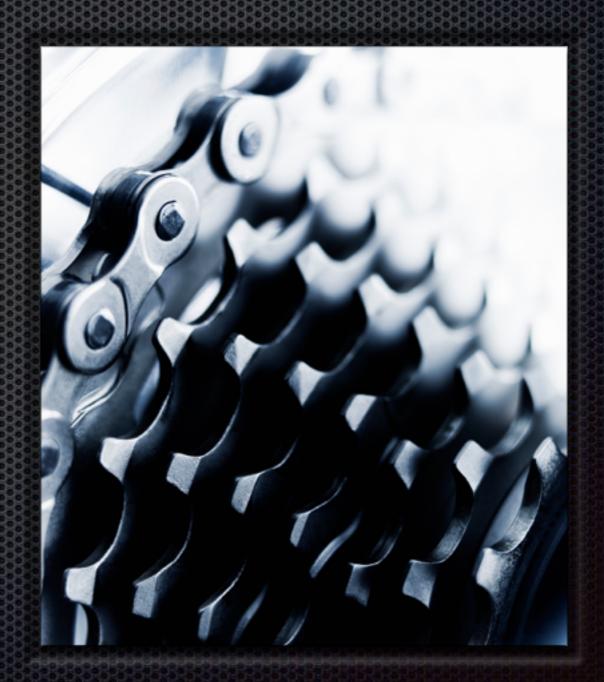
Oriented torwards Burscher et al. (2016) Manual Manual Topic Grouping of Extraction **Topics** Topic Modeling Corpus Clustering Preprocessing Creation of Interpretation Feature Cleaning Retrieve from of Results LDA K-means Vectors Tokenization Lexis Nexis Lemmatization Removal of words Sentiment Aspect Based Manual Analysis Sentiment Annotation Analysis Negation with Sentiment handling

What we still need to do

- Manual extraction of topics and grouping
- Comparing manual evaluation with automatic results
- Implement aspect-based sentiment analysis
- Maybe try out other cluster and topic modelling methods

Initial Results

- No meaningful difference between articles
- Different corpus or preprocessing?



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References

Burscher, B., Vliegenthart, R. and Vreese, C.H.D., 2016. Frames Beyond words: applying cluster and sentiment analysis to news coverage of the nuclear power issue. Social Science Computer Review, Vol. 34(5), pp.530-545.

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