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

Anushka Asthani

Ben Quinn

David Cameron was facing recriminations this morning as Britain appeared to be on the brink of voting to leave the EU, triggering chaos in the currency markets, includ-

ing the higgest over-one-day fall insterling.
The value of the pound fell by this as the financial markets prepared for a Brenit economic shock potentially greater than Mark Medicanday in 1900.

Usin's Insider, Nigel Farsage, declared victory included as supporters should allow the control of the self-like as in the control of the self-like a victory for each google, a victory for each google, a victory for each google, a victory for each control of the self-like a victory for each google, a victory for decent people. We have longith against the self-analysis of the self-like against like google and the self-like against like, corrupt tion and decent, and today honesty and decentery and belief in mation I think now in action to will be added to the self-like and the self-l

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

There was a tense mood in Downin 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 is expected to address the country from Downing Street this morning. He had earlier received the support of 86 Conservative MPs who have campaigned for out, including Botts Johnson, Michael Gove and Chris Grayling, who said it was his "amadate and a duty to continue implementing the perty's 2011 monifesto".

Hilary Benn, said he could not see how the

prime minister could remain in position.

Jenemy Coebyn, who is also facing recriminations and the possibility of a leadership challenge, will declare feitain a "divided country" and also indicate that the retire minister will need by comider

referendur

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

A senior Labour source and 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 higheal levels of immigration voted to remain,

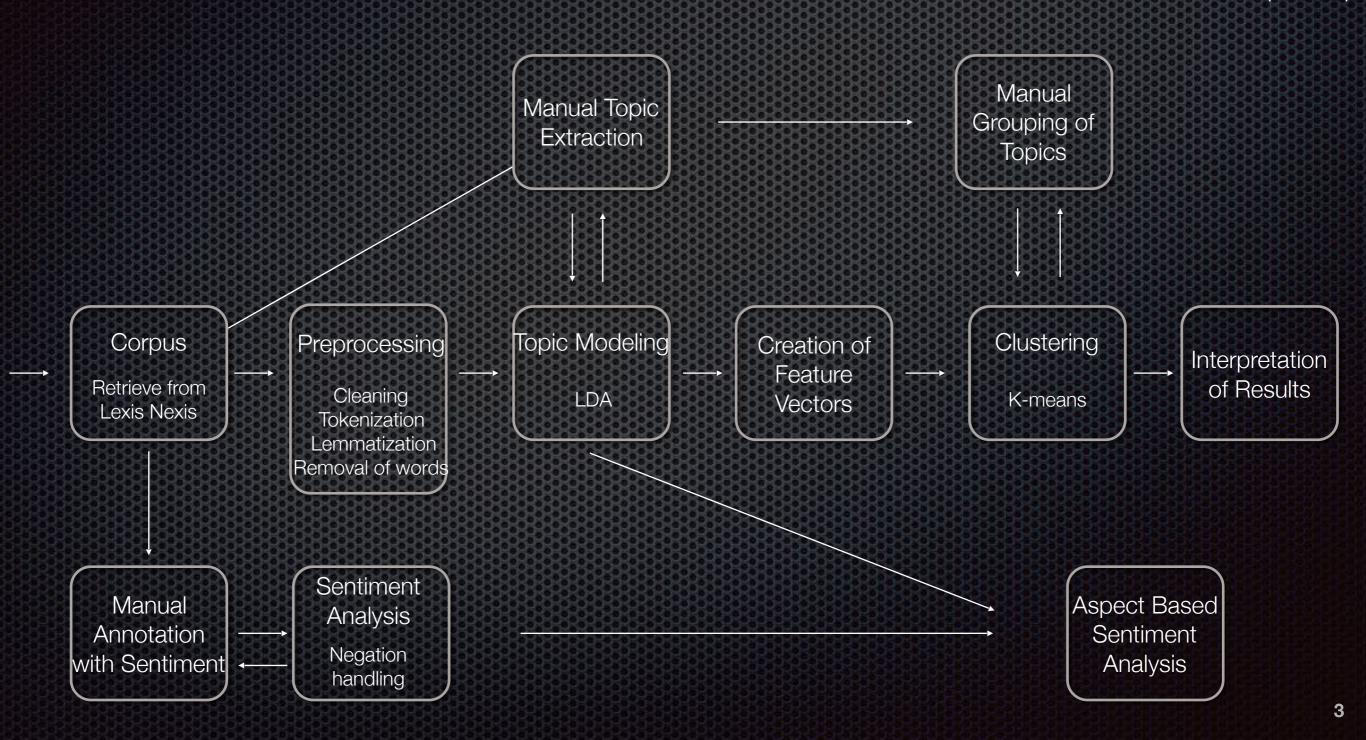
seggesting the maint wate more contigues, benium Trivines called for calm. Conham Brady, one of the most important figures in uniting the party because of his feedership of the key 1922 backbench committure, said: "The debate over littinit's relationabily with the EU in a vitally important

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Pipeline

Oriented torwards Burscher et al. (2016)

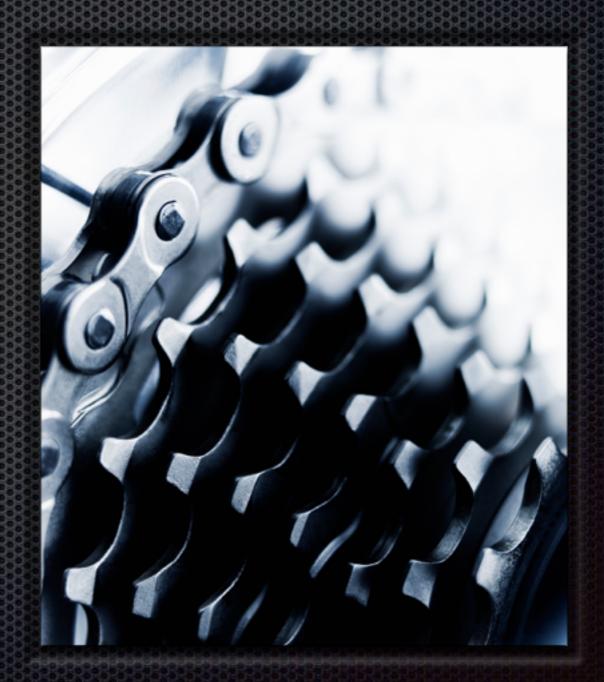


What we still need to do

- 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.

Hutto, C.J. & Gilbert, E.E., 2014. VADER: A Parsimonious Rule-based Model for Sentiment Analysis of Social Media Text. Eighth International Conference on Weblogs and Social Media (ICWSM-14). Ann Arbor, MI, June 2014.

Karypis, G., Kumar, V., & Steinbach, M. (2000). A Comparison of Document Clustering Techniques. Proceedings of the KDD Workshop on Text Mining, 2000.