Sentiment Analysis of Political Figures across News and Social Media

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This work tries to answer the following questions :

- Q1: Is any difference between news articles and social media, in terms of their sentiment toward political figures?

- Q2: In social media, when people express sentiment toward a political figure, what aspects of the politician are they talking about or based on. Is there any difference between positive and negative messages?

- Q3: In political campaign, if one candidate dropped out of the race, will the sentiment toward this candidate change?

Data Set:
- GDELT: 13 million articles from GDELT from 04/20 to 05/20/2016.
- Twitter: 60 million tweets related to the four presidential candidates.
Method:
- Entity sentiment analysis: based on the general word embedding and sentiment specific word embedding. Both of them are distributed word representations.
- Relationship analysis between sentiment types and concepts: based on word embeddings

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