Pros or Cons of Trade War?

Leo Liu

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Background

The trade war between US and China strikes the whole world in aspects of economy, finance, diplomatic relationship, agriculture, etc. However, it is really hard to say whether it will bring benefits to the US in general since its influence is so complex. A thorough and comprehensive research of the trade war's gains and pains is quite indeed. The outcome might help the government or companies better shape their policies, or help investors play optimal strategy.

Project Design

I would collect posted news articles about the trade war since 2018 on Yahoo news, Fox news or Xinhua Net by either API or web scrapping. Then, I will use NLP to process each news article and build up an unsupervised learning model on top of it to see whether there is something worth investigation. For example, pros tend to appear with keywords related to some industries and cons with other industries. Or some countries show positive response to it, while some others react negatively.

Based on the result of unsupervised learning, I will see whether more data need to be collected to build up a supervised learning model in a specific area, such as stock market behavior of a certain industry, communications between US and other countries' government. This is somewhere I need more guidance because interpreting the outcome of unsupervised model and linking it to some other resources makes me feel challenged and concerned.

Technical Challenge

There might be some hurdles of working with APIs. I expect that the best way is to output the query result into a JSON file and transport it into mongoDB. Another thing as I have mentioned, there might be a hard time to interpret the result of unsupervised and build another supervised model on top of it. Anyway, I feel positive about that I will discover something interesting and valuable.