

Integrating Interactive and Computational Approaches for News Understanding

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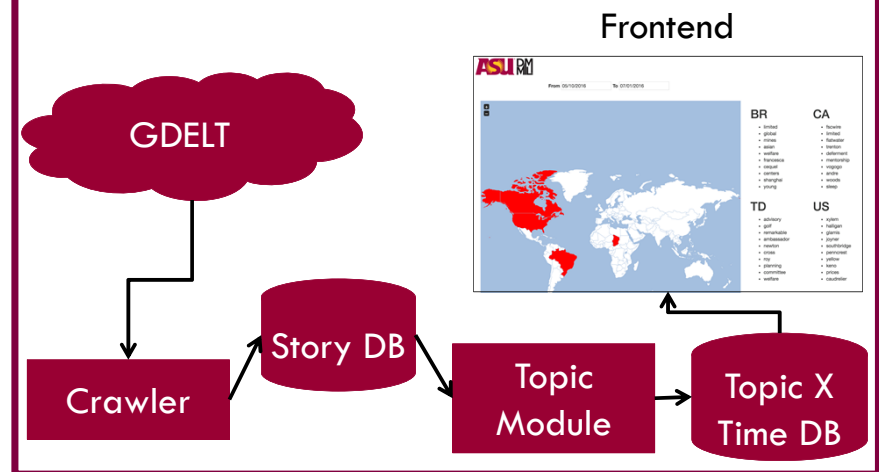
Motivation

- GDELT provides "a global database of society", with daily updates of events around the world. These events are tagged with entities, and interactions between them.
- The GDELT project is a one-of-a-kind dataset in both content and scale.
- Due to its impressive size, it is impossible to read the individual records to understand trends.
- To address this challenge we propose a system to summarize news from GDELT.

Goals

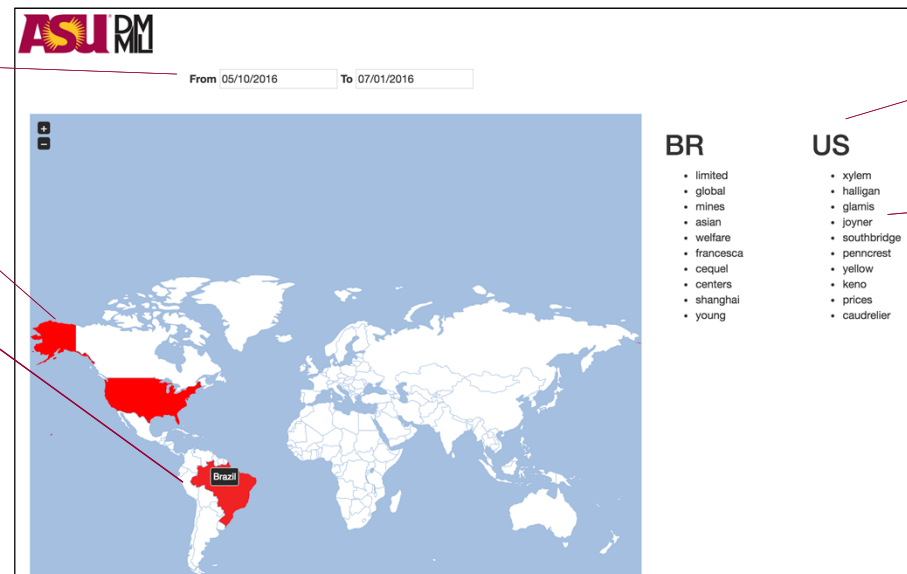
- Design a system that helps researchers quickly and easily understand news trends from news data such as GDELT.
- Use the system to find underlying trends within the data.
- Enable researchers to compare topics from different countries.

System Diagram



Date selection: Allows user to choose time range.

Country selection: Allows user to choose countries to compare.



Country X Topic Window: Shows emergent topics from each country.

A topic consists of the top words emerging from a country.

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References

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- [2] Blei, David M., Andrew Y. Ng, and Michael I. Jordan. "Latent dirichlet allocation." Journal of machine Learning research 3.Jan (2003): 993-1022.

