

New Event Detection

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*Alex Cummins, Andrew Ciambrone,
Beakal Haile, Quinn Liu*

Purpose

- Automatically detect when a new world event has occurred based on online news articles.
- Reduce user bias
- Increase confidence that an event has occurred.
- Assist IDEAL project

Approach

- Collect RSS feeds from respected news sources around the world.
- Create groupings of articles utilizing natural language processing techniques.
- Rank the groupings based on their perceived strength.
- Provide a ranked list to the end user.

Ranking Criteria

- Number of articles
- Distinct publishers
- Distinct dates
- Parameters are imperfect

Moving Forward

- Scraper will continue to collect data
- Client will train the algorithm utilizing machine learning techniques.

Results

Event Description

Radioactive drone on Japan PMs roof

Police Man planned to attack churches

Russian hackers read Obamas unclassified emails last year NYT

Egypt sentences Morsi to 20 years in prison over killing protesters

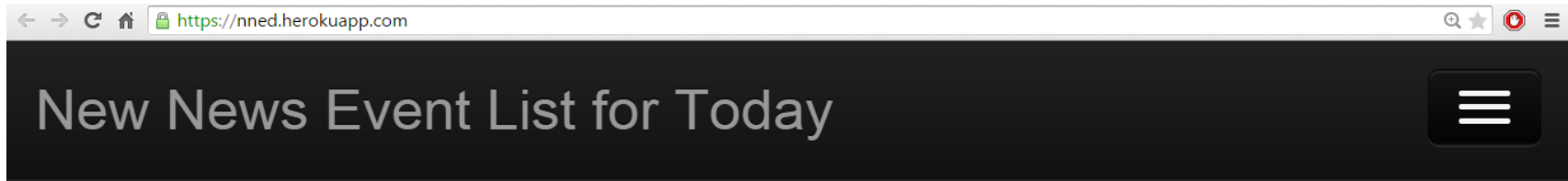
Michael Browns family We do not accept his selfdefense

Results

Certainty of Event Occurrence	Article Count	Publisher Count	Date Count
0.250674	5	3	2
0.250539	4	3	2
0.250539	4	4	1
0.250404	3	3	2
0.200404	3	3	1

Website

<https://nned.herokuapp.com/>



1. White House moves to take Cuba off Terrorism List
2. US plans stiffer rules protecting retiree cash
3. Rival Factions in Ukraine Are Urged to Withdraw Heavy Weapons
4. Boko Haram Abducted Nigerian Girls One Year Ago
5. Israeli airstrikes target alleged militants on border

Acknowledgements

Mohamed Magdy mmadgy@vt.edu

IDEAL project <http://eventsarchive.org/>

Questions?