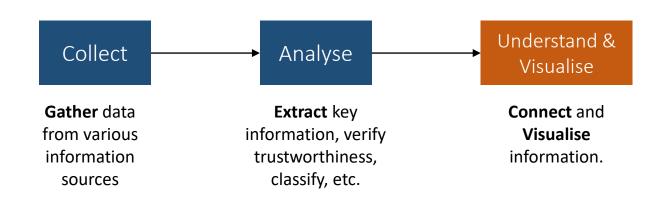
SMASAC - Visualizations, End-to-End Systems and Conclusion

GRÉGOIRE BUREL, MAYANK KEJRIWAL AND PRASHANT KHARE



Data Visualisation

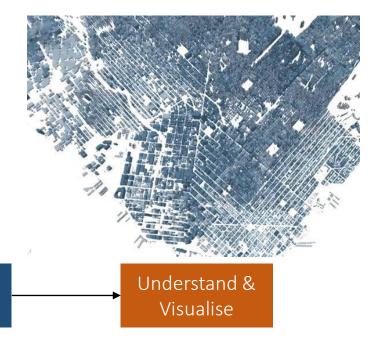
Visualisation – a key phase of analysis in crisis informatics. Data interpretation is equally important to data collection and curation.

Analyse

The visualisation can be driven by multiple objectives:

- Geospatial data visualisation.
- Emerging trends.
- Demographic based analysis.
- Mapping logistics.
- Predictive analysis.

Collect



Data Visualisation

Platforms/Libraries for visualisation:

- Situation Awareness Platforms-
 - Ushahidi



- Sahana Foundation
- Visualisation Libraries
 - D3.js,
 - Plotly
- HDX Quick Charts

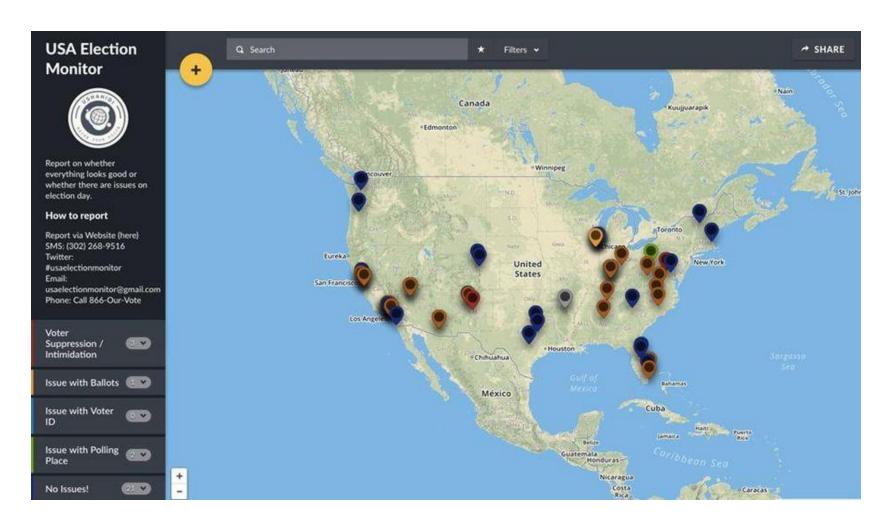




Interactive visualisation of Ontology - WebOWL

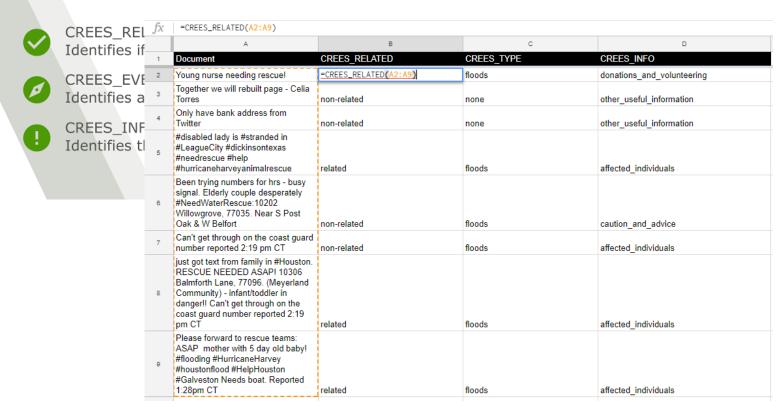


Example - Ushahidi



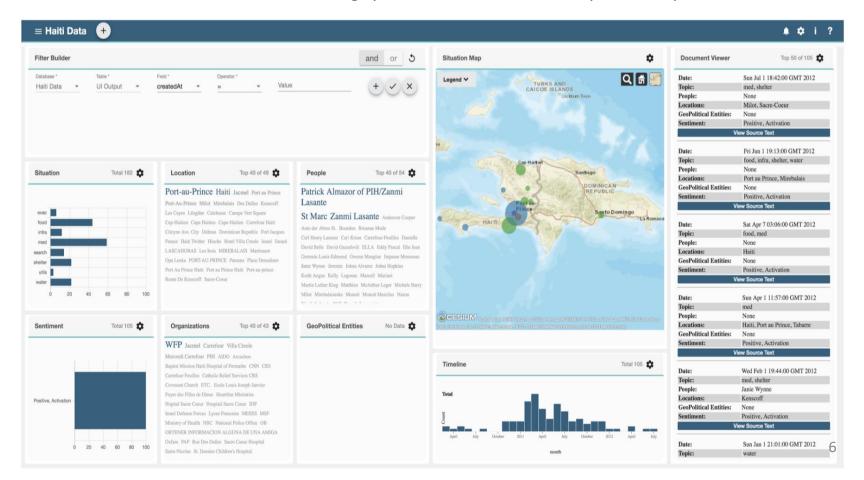
Example - CREES Google Sheet Add-on





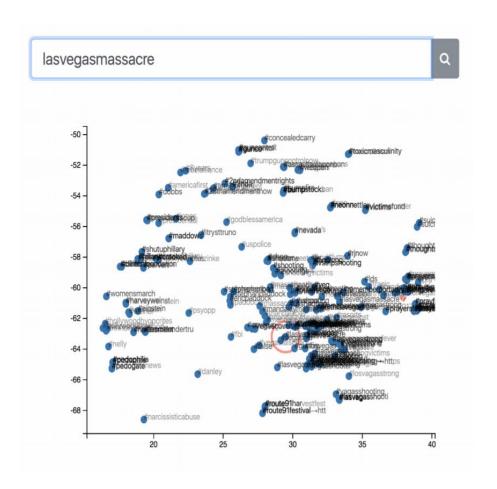
Example - THOR

- THOR stands for Text-enabled Humanitarian Operations in Real Time
- Developed under the DARPA LORELEI program to assist in situational awareness in low-resource regions
- Come check out our demo on Uighyur dataset, and 2015 Nepal Earthquake Twitter dataset!

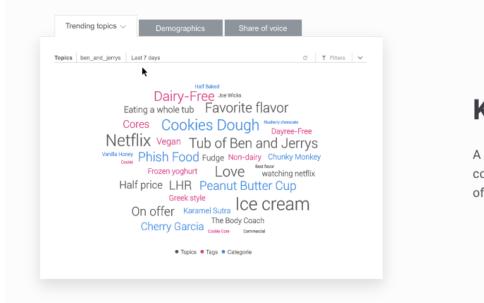


Example - HashViz

- Hashtags contain a lot of important semantic information explicitly tagged by users
- How do we visualize and 'play with' hashtags from an arbitrary multi-million tweet corpus collected in the aftermath of the disaster?



Commercial - Social Data Visualization



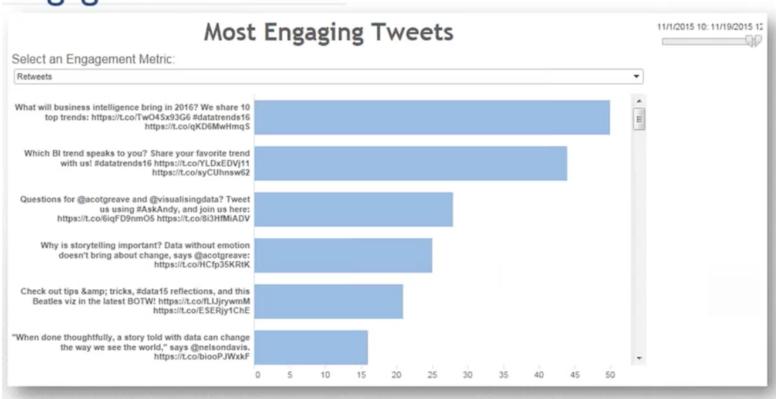
Know what matters most

A faster path to the answers you need. Whether you're conducting deep market research, or measuring the impact of your latest marketing campaign.

Brandwatch is an enterprise that provides tools for analysing social sensor data.

Commercial - Social Data Visualization

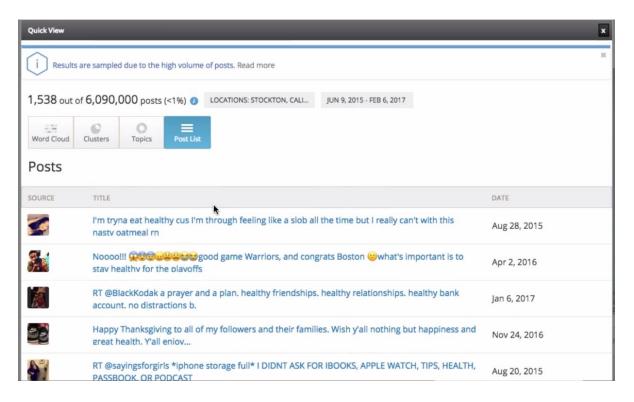
Engagements



Crimson Hexagon is an enterprise that provides solutions to analyse social data and engage deeper with users/audience.

Commercial - - Social Data Visualization

Sort tweets/documents based on temporal relevance.



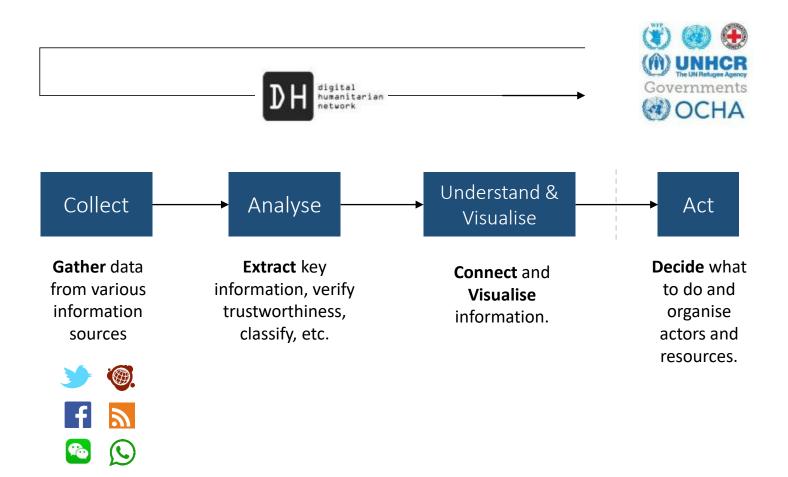
Source: Crimson Hexagon

Platforms Demo

Hands-on

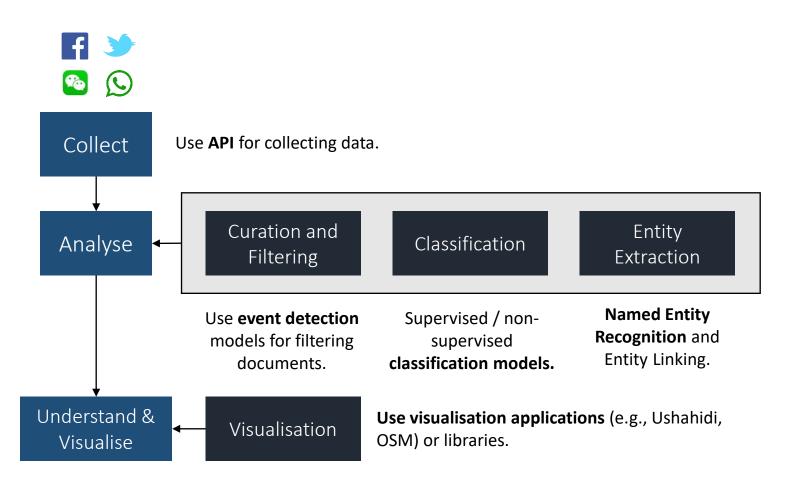
Summary – Data Processing Pipeline

In this tutorial we showed how **to collect, analyse and represent** crisis-related social media using multiple data processing techniques:



Summary - Automatic Processing Pipeline

Supervised or semi-supervised methods as well as **APIs** an automatic tools can be used for collecting data.



Contact / Feedback



Grégoire BurelResearch Associate



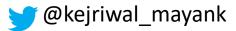






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