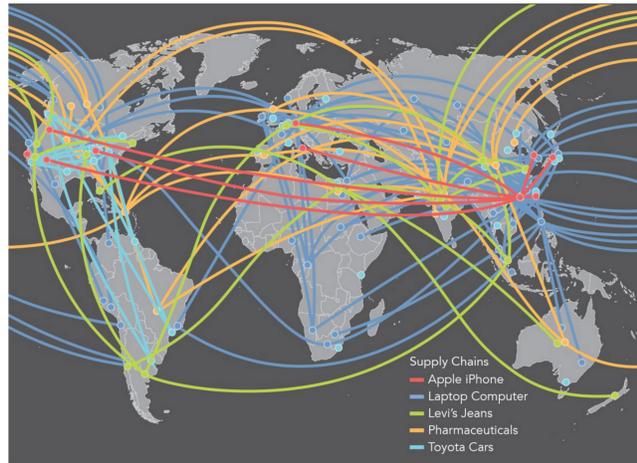


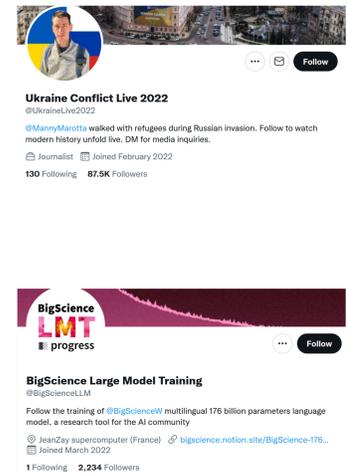


Event detection system to support decision making for raw materials supply chain management

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source: @paragkhanna, #connectography



CONTEXT

METHODS

RESULTS

SCIENTIFIC CHALLENGES

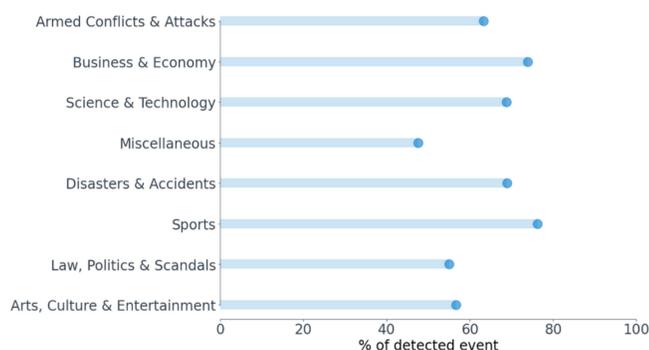
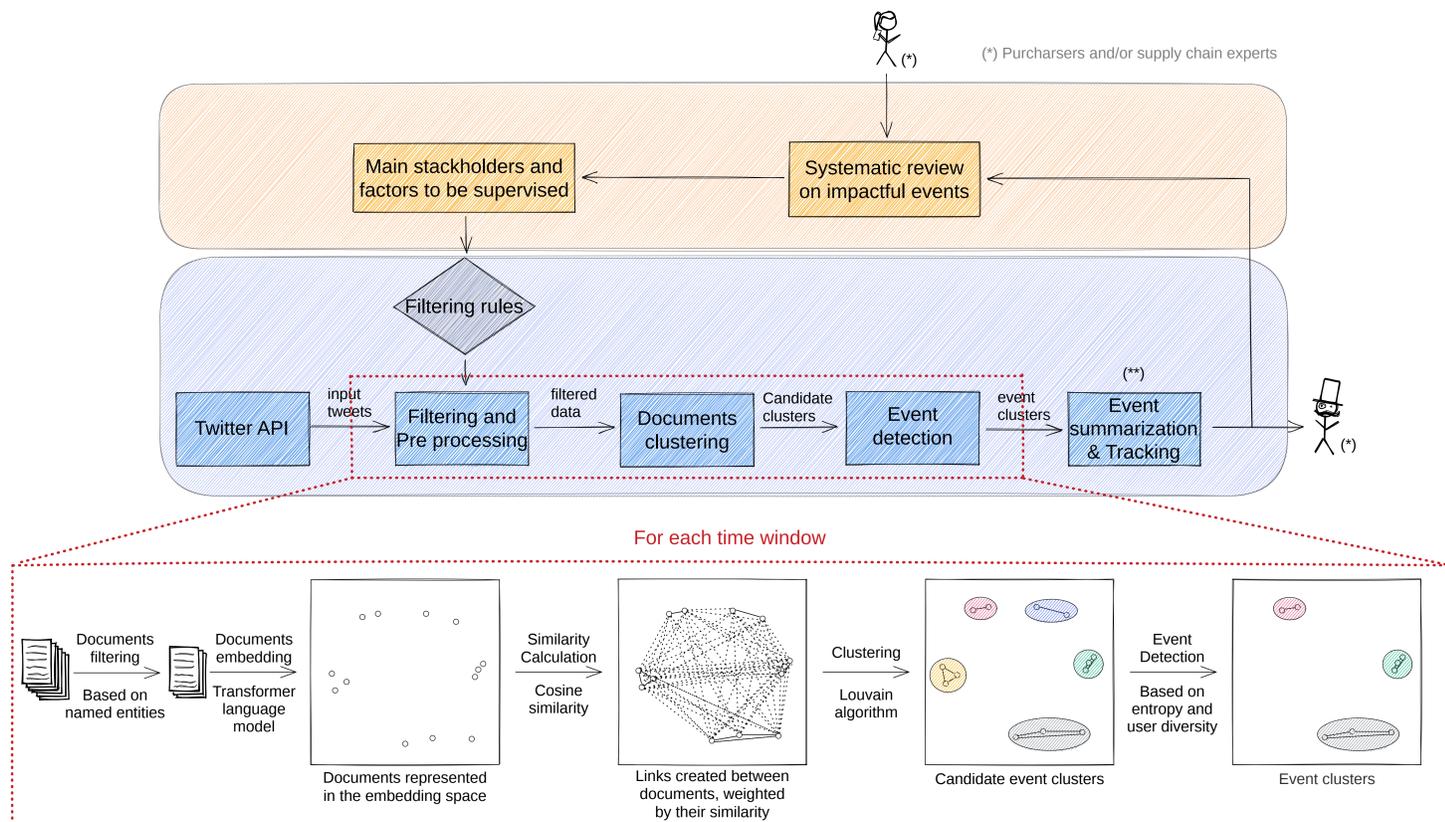
SPECIFICITIES OF THE EVENT DETECTION TASK

- Unknown number and types of events,
- Of different sizes and impact,
- Evolving in time.

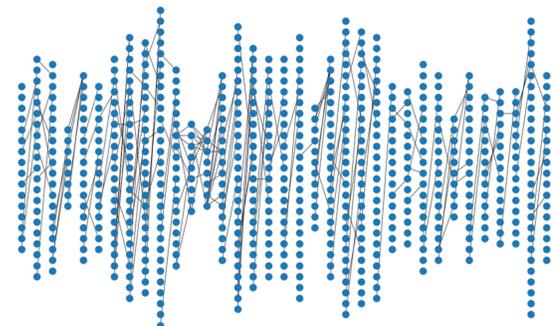
SPECIFICITIES OF EACH SUPPLY CHAIN

- Geographical locations,
- Main actors,
- Particularity of the domain.

Event Detection System



Performances of the system on the Event 2012 dataset, containing 120 million tweets. The system detects approximately 70% of the events.



(**) Illustration of the event tracking process. Each column is a time window, each dot is an event. the process is based on a similarity calculation between representative entities of the events.