

Nov. 14, 2014

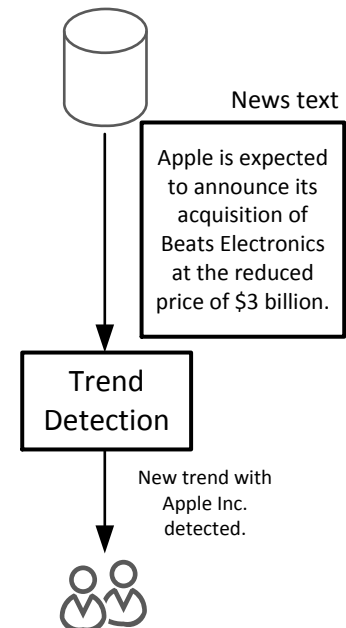
Call for Bachelor/Master thesis “Trend Detection on Text”

What’s it all about?

Despite “intelligent” methods for automated text processing and knowledge extraction from text documents, the automatic detection of trends based on text is very limited so far. Trends are hereby defined as traceable and noteworthy changes in the future.

The thesis starts with definitions of important concepts such as “trend”, “event”, and “statement”. Possible approaches for a binary or even semantic enriched detection of trends are gained from the literature and implemented. Hereby, the kind of events to be detected is set (e.g., events or simple binary relations).

Own ideas for the detection of trends can be contributed by the student. As naïve approach, signal word lists (“expect”,...) can be used, but also more complex approaches which can be based on Semantic Role Labeling (SRL) or Discourse Representation Format (DRT). Tools for the mentioned approaches will be made available for the student.



What should you bring along?

- Good programming skills in Java.
- Interest in implementing new algorithms and in Natural Language Processing (NLP).

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