

Stories from Blogs: Computational Extraction and Visualization of Narratives

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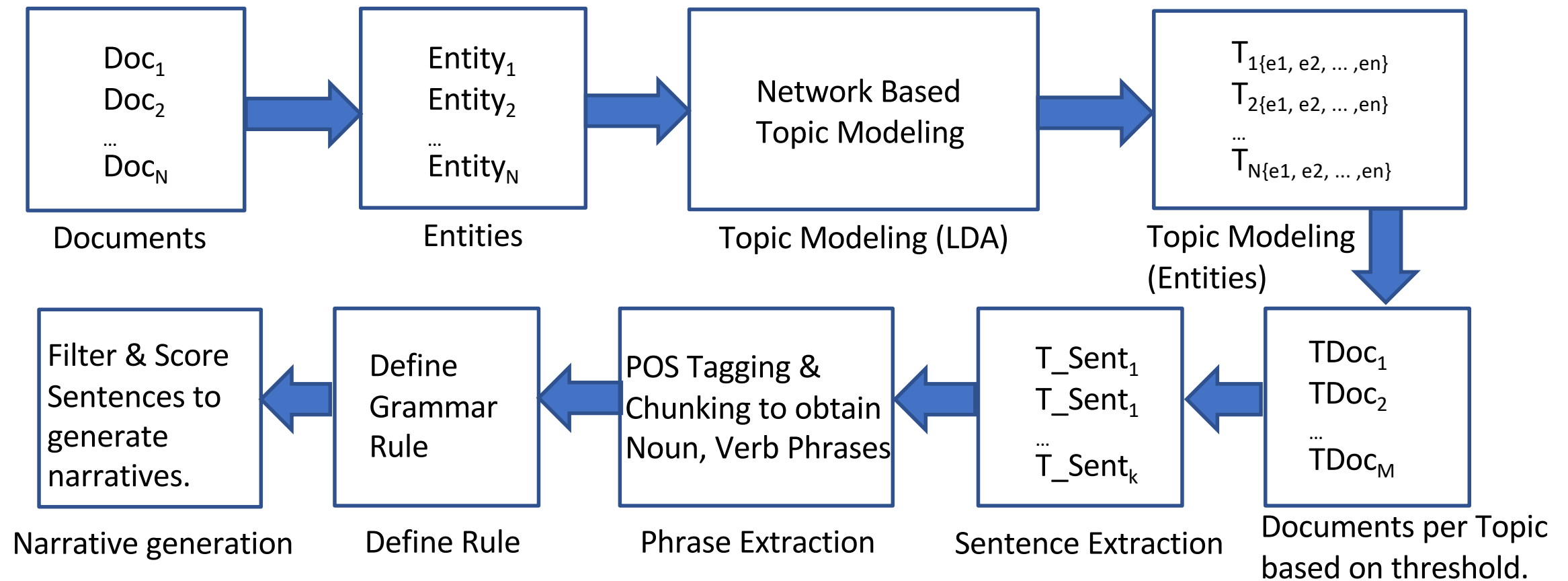
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- Narrative
- Narrative Extraction Algorithm
- Visualization
- Conclusion & Future Work



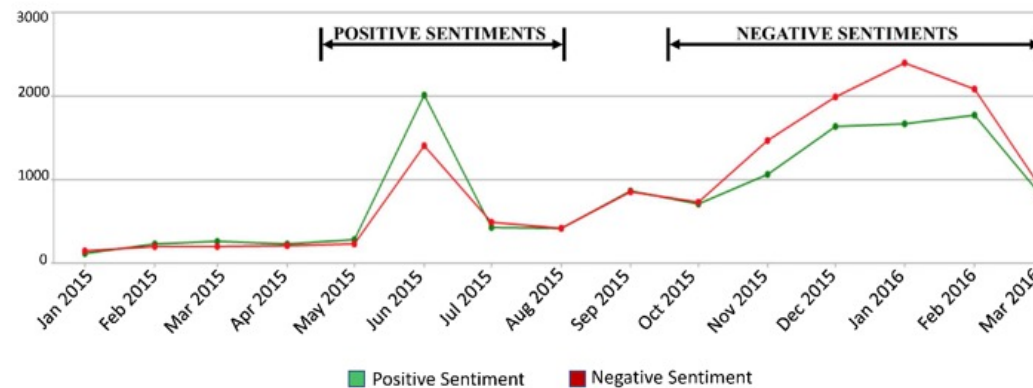
- “Narrative texts can be represented as directed graphs (networks) of semantic triples—subject-verb-object sets” - Franzosi (2004).

* Published in Text2Story 2020



* Published in Text2Story 2018

Dataset	Number of Blogs	Number of Posts	Entities
EU Migrant Crisis	22	6,374	32,014



- Accuracy = 66.7%
- Inter-annotator reliability $\alpha = 0.82$

Top K	Avg. Precision	Avg. Recall	F-Measure
1	0.70	0.14	0.23
2	0.69	0.28	0.39
3	0.70	0.42	0.53
4	0.69	0.55	0.61
5	0.67	0.67	0.67

- Narrative Extraction Algorithm needs to be improved
 - Grammar Rule
 - Focus on individual sentences rather than complete post
 - alternate methods
- Narrative Visualization needs to be extensively evaluated and improved

COSMOS Tools Developed:

- **Blogtrackers** - <https://btracker.host.ualr.edu>
- **YouTubeTracker** - <https://vtracker.host.ualr.edu>
- **Focal Structure Analysis** - <http://fsa.host.ualr.edu/>

Blogtrackers

 **YouTubeTracker**



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