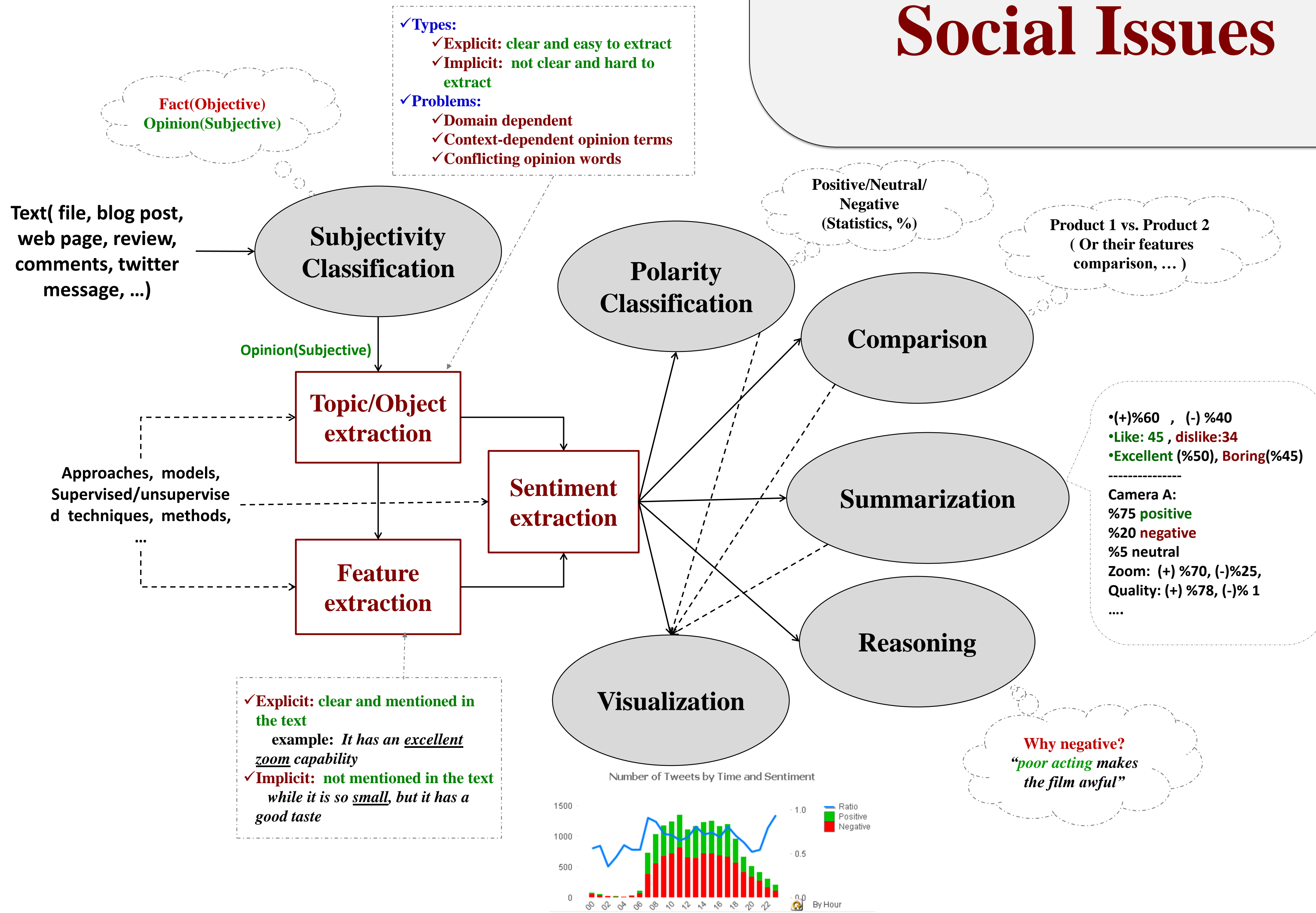


Introduction

- **Definition:** Sentiment analysis extracts and analyzes opinions expressed by people regarding products or topics.
- **Opinion types:** attitudes, judgments, beliefs, feelings, evaluations, affective/emotional states, or wishes.
- **Area:** an interdisciplinary field which crosses natural language processing, artificial intelligence, and text mining.
- **Applications:** Sentiment classification, comparison, summarization, product and market analysis, and trend analysis.

Concepts



Timeline

	Jan. 2012	Feb. 2012	March 2012	April 2012	May 2012	June 2012	July 2012	Aug. 2012	Sep. 2012	Oct. 2012	Nov. 2012	Dec. 2012	Jan. 2013	Feb. 2013	March 2013	April 2013	May 2013	June 2013	July 2013	August 2013	Sep. 2013	
Literature review																						
Configuration																						
Implementation																						
Evaluation																						
Finalization																						
Defence																						

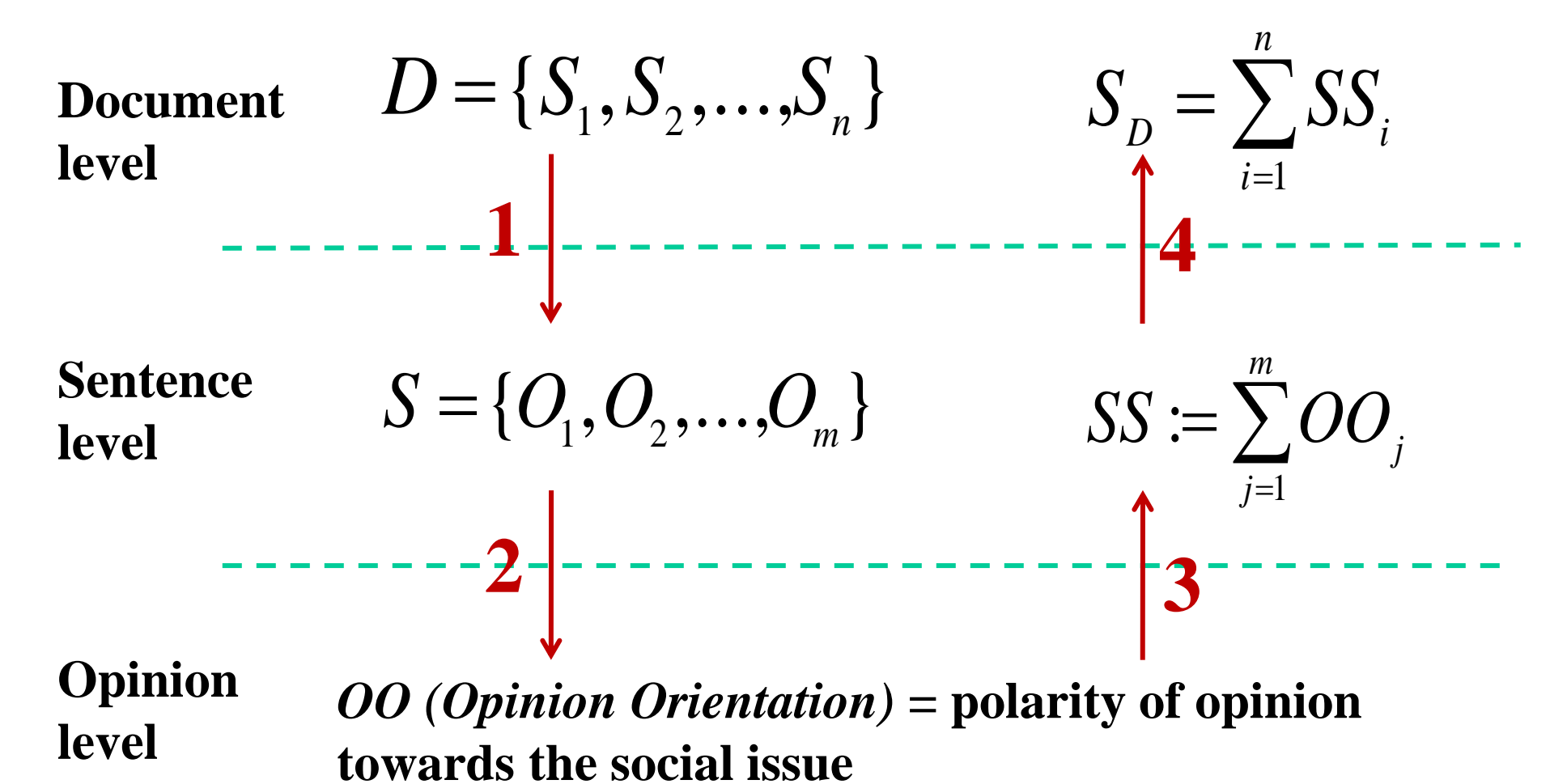
Problem and Definitions

A social issue is an issue which relates to people's personal lives and interactions. (Wikipedia)

A Sentiment Analysis Framework for Social Issues

- A skeletal structure designed to extract and analyze sentiments about social issues in comments, blog posts, reviews, forum discussions, etc.

Analysis Levels



Knowledge Resources

	Opinion Verbs dictionary	Parser
Opinion Terms	Computational Linguistics Lexical Knowledge	Computational Linguistics Syntax Knowledge
	Computational Linguistics Semantic Knowledge	Graph Semantic Network, Closeness/Relatedness

Conclusion

- ✓ Evaluated on social issues such as Abortion
- ✓ New Approach for Sentiment analysis
- ✓ Binary/Multi-class classification of sentiments of documents.
- ✓ Enriched dictionaries of opinion terms