Contents

- Sentiment Analysis
 - Introduction
 - o Techniques used
 - o Applications
- Information Retrieval
 - Introduction
 - Indexing
 - o Topic modeling
- Sentiment Analysis in Information Retrieval
 - Indexing followed SA
 - o Encoding sentiment in Index
- Topic Models
 - Latent Dirichlet Allocation
 - Evaluation of LDA
 - Joint Sentiment-topic models
 - Theory
 - Drawbacks of joint sentiment topic models
 - o Topical n-grams
 - Advantage of using Topic models
- Sentiment Analysis using Topic models
 - $\circ \quad Using \ Latent \ Dirichlet \ Allocation$
 - $\circ \quad Using \ Sentiment-topic \ models$
 - Using topical n-grams
 - o Experimental Setup
 - Discussion
- Resource generation using LDA
- Sentiment Analysis using Deep Semantics
 - Introduction
 - o UNL
 - Rules
 - Experimental Setup
 - Results
 - o Discussion
- Conclusion and Future work