

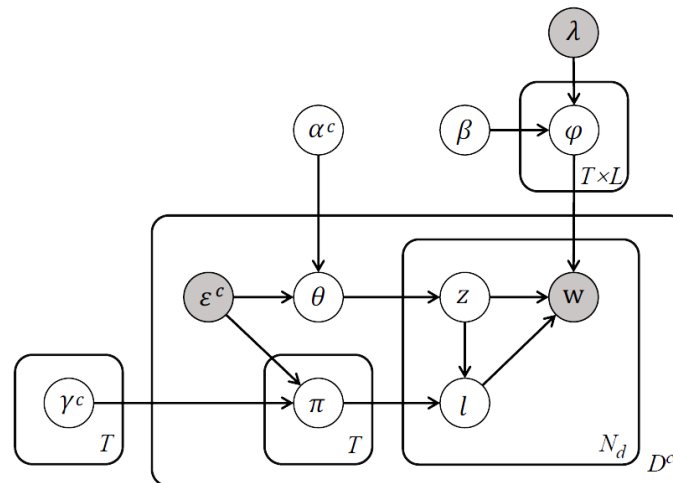
A unified latent variable model for contrastive opinion mining

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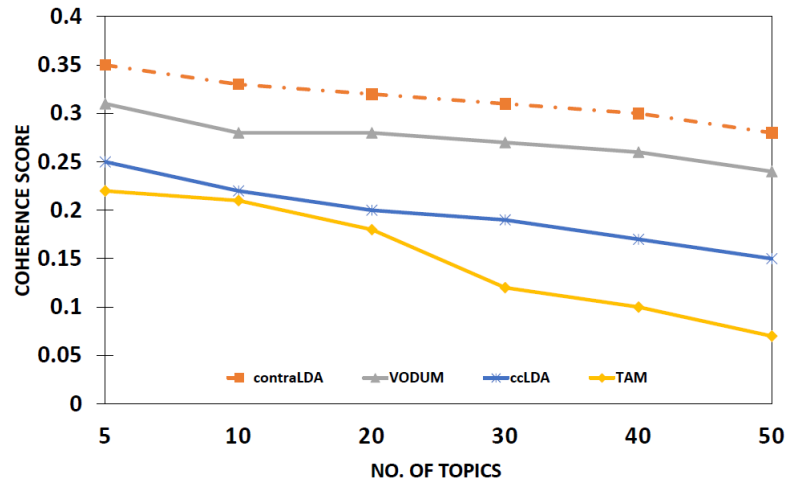
Problems & Ideas

- Problems of Contrastive Opinion Mining
 - Data mostly separated into different collections
 - Extracted topics are not very informative and the relationships between extracted topics and the sentences that express them are opaque
- Ideas: contraLDA model
 - Mines contrastive opinion from both single and multiple data collection
 - Can be flexibly trained under weakly- or fully-supervised
 - Quantifies the strength of opinion contrastiveness towards a topic
 - Extracts sentences relevant to sentiment-bearing topics

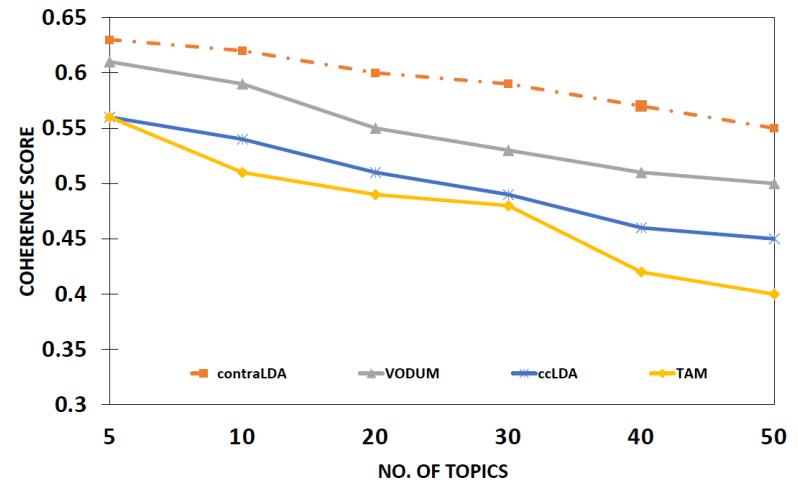


Main Contributions

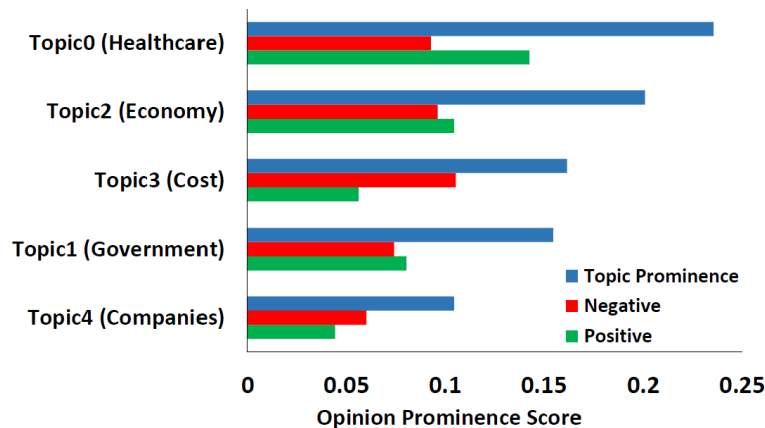
- Topic coherence (Obama dataset)



- Topic coherence (El Capitan dataset)



- Topic prominence (Obama dataset)



- Topic prominence (El Capitan dataset)

