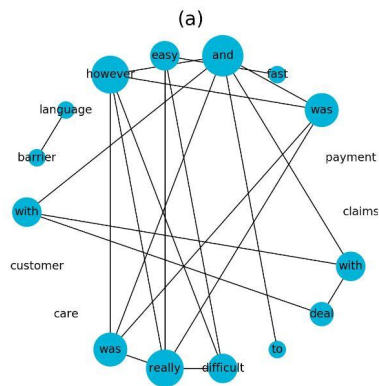


An Embedding-based Joint Sentiment-Topic Model for Short Texts

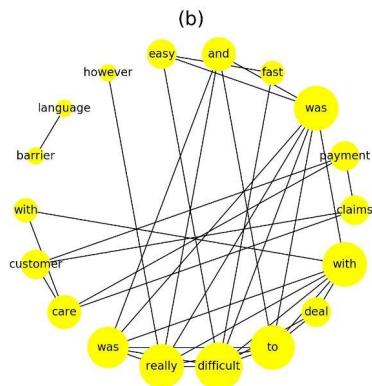
Probabilistic Generative Model for Detecting Joint Topic-Sentiment (TS) Labels

- Detect topic-sentiment associations from short texts



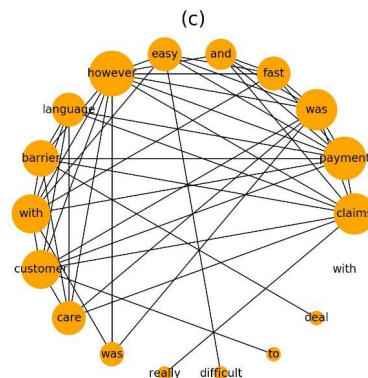
External Knowledge in Probabilistic Generative Models

- Leverage external knowledge using text sentiment labels in a semi-supervised environment



Embedding and Attention-Enhanced Topic Model

- TS co-association among tokens with similar embeddings or self-attention weights



MRF Regularized Generative Model

- MRF Regularization for Generalized n-gram JST on short texts
- Semantically coherent and interpretable topic model

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