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Topic Driven Multimodal Similarity Learning with Multi-view Voted Convolutional Features

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Highlights

- A novel similarity learning model with layered architecture.
- The representation layer preserves a multi-view voted local neighbor structure.
- The multimodal layer computes distributional similarity over sparse relation types.
- The hidden relation neurons are initialized by cluster centers to encode topics.
- Comparison with seven competing methods shows effectiveness of the proposed model.

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