Abstract

The insufficiency of labeled training data for representing the distribution of the entire dataset is a major obstacle in automatic semantic annotation of large-scale video database. Semi-supervised learning algorithms, which attempt to learn from both labeled and unlabeled data, are promising to solve this problem. In this paper, retrieving videos using key words requires obtaining the semantic features of the videos. Most work reported in the literature focuses on annotating a video shot with a fixed number of key words, no matter how much information is contained in the video shot.

References

Survey on Different Techniques on Video Annotations


- ChengZhi Xu, HuiChuan Wu1, Bo Xiao1, Philip C-Y Sheu1, Shu-Ching Chen," A Hierarchical Video Annotation System.

- Shih-Wei Suna, Yu-Chiang Frank Wanga, Yao-Ling Hung "AUTOMATIC ANNOTATION OF WEB VIDEOS\&quot; a Institute of Information Science and Research Center for Information Technology Innovation Academia Sinica, Taipei, Taiwan


- Vincenzo Lombardo & Rossana Damiano "An intelligent tool for narrative-based video annotation and editing\&quot; in 2010 International Conference on Complex, Intelligent and Software Intensive Systems


- Jenny Yuen, Bryan Russell & Ce Liu1 Antonio Torralba, "LabelMe video: Building a Video Database with Human Annotations\&quot; in International Journal of Research and Reviews in Information Sciences


- Jinhui Tang, Xian-Sheng Hua, Guo-Jun Qi, Zhiwei Gu, Xiuqing Wu,"Beyond Accuracy: Typically Ranking For Video Annotation\&quot; ICME 2007 IEEE

- Emily Moxley, Tao Mei, and B. S. Manjunath Video Annotation Through Search and Graph Reinforcement Mining,\&quot; IEEE transactions on multimedia, vol. 12, no. 3, april 2010


- Guo-Jun Qi, Xian-Sheng Hua, Yan Song, Jinhui Tang, Hong-Jiang Zhang,"Transductive Inference with Hierarchical Clustering for Video Annotation\&quot; IEEE ICME 2007

- Helmut Neuschmied,"MPEG-7 Video Annotation Tool\&quot; in Proceedings of I-MEDIA &apos;07 and I-SEMANTICS &apos;07 Graz, Austria, September 5-7, 2007

- Mario Cordeiro, Cristina Ribeiro,"Reuse Of Video Annotations Based On
Low-level Descriptor Similarity”, 2009 ieee.

**Index Terms**

- Computer Science
- Emerging Trends in Technology

**Keywords**

- Videoannotations
- Multimodal
- Automaticvideo Annotations
- Domain Specific