Abstract

The image search has becomes an important feature of multimedia. It plays an important role in daily life. Some image search query results are satisfactory and some are unsatisfactory. The web image search mostly depends on the surrounding text of the image. It is difficult to understand the user intention only by query keywords and this leads to irrelevant image search results. In this paper the methods developed by different researchers in the area of web image search are reviewed. These methods vary from textual information search to user feedback. Also some methods are depend on the visual similarities between the images. To improve the result of web image search, strategies like keyword expansion, active re-ranking is also used. This paper focuses on the methods introduced by different authors for development in the area of web image search.

References

Survey on Methodologies Used for Web Image Search

- Yushi Jing, Michele Covell, David Tsai, and James M. Rehg, Member, IEEE, Learning Query-Specific Distance Functions for Large-Scale Web Image Search, IEEE Transactions On Multimedia, Vol. 15, No. 8, December 2013
- Xinmei Tian, Dacheng Tao, Member, IEEE, Xian-Sheng Hua, Member, IEEE, and Xiuqing Wu, Active Reranking For Web Image Search, IEEE Transactions On Image Processing, Vol. 19, No. 3, March 2010
- Linjun Yang, Member, IEEE, and Alan Hanjalic, Senior Member, IEEE, Prototype-Based Image Search Reranking , IEEE Transactions On Multimedia, Vol. 14, No. 3, June 2012 871
- WENJUN LU1, AVINASH L. VARNA2, (Member, IEEE), AND MIN WU3, (Fellow, IEEE), Confidentiality- Preserving Image Search: A Comparative Study Between Homomorphic Encryption and Distance-Preserving Randomization, Date of publication February 20, 2014, Digital Object Identifier 10. 1109/ACCESS. 2014. 2307057
- Xiaoou Tang, Fellow, IEEE, Ke Liu, Jingyu Cui, Student Member, IEEE, Fang Wen, Member, IEEE, and xiaogang Wang, Member, IEEE, IntentSearch: Capturing User Intention for One-Click Internet Image Search , IEEE Transactions On Pattern Analysis And Machine Intelligence, Vol. 34, NO. 7, JULY 2012
- Shikui Wei, Dong Xu, Xuelong Li, Fellow, IEEE, and Yao Zhao, Senior Member, IEEE, “Joint Optimization. Toward Effective and Efficient Image Search” IEEE Transactions On Cybernetics, Vol. 43, No. 6 December 2013.
- Yongdong Zhang, Senior Member, IEEE, Xiaopeng Yang, and Tao Mei, Senior Member, IEEE, Image Search. Re-ranking with Query-dependent Click-based Relevance Feedback, IEEE TRANSACTIONS ON IMAGE PROCESSING, 1057-7149 (c) 2013 IEEE

- Xinmei Tian, Yijuan Lu, Member, IEEE, and Linjun Yang, Member, IEEE, Query Difficulty Prediction for Web Image Search, Transactions On Multimedia,Vol. 14,NO. 4, 2012 951

Index Terms

Computer Science

Image Processing
Keywords

Co-click Activities  Keyword Expansion  Relevance Feedback  Query Difficulty
Prediction
Re-ranking.