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Conference Paper

Tag tree creation of social image for personalized recommendation

September 2017

DOI · 10.1109/ICIP.2017.8296665

Conference: 2017 IEEE International Conference on Image Processing (ICIP)

Ying Yang · Jing Zhang · Jihong Liu · [Show all 5 authors](#) · Li Zhuo

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Creating Descriptive Visual Word Tree for Tag Ranking of Social Image

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Ying Yang · Jing Zhang · Li Zhuo · [...] · Jihong Liu

Visual words image representation has been very popular in tag ranking of social image. However, the descriptive power of detected features is not evaluated in traditional visual words model, resulting in many non-descriptive local features are clustered as visual words. Moreov...

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Feature representation for visual content is the key to the progress of many fundamental applications such as annotation and cross-modal retrieval. Although recent advances in deep feature learning offer a promising route towards these tasks, they are limited in application...

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Creating descriptive visual words for tag ranking of compressed social image

Conference Paper Sep 2015




 Xin Liu ·  Jing Zhang ·  Li Zhuo ·  Ying Yang

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Image tag recommendation based on friendships

Article Aug 2016 · Multimedia Tools and Applications

 Guo Haifeng ·  Su Shoubao ·  Sun Zhoubao




The tagging systems have been studied by many researchers in the past decade. Tagging methods have been widely used on the web for searching and recommending images. Social tags are the keywords annotated by users to the images, which contains the information for...

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Analyzing User Preference for Social Image Recommendation

Article Apr 2016

 Xianming Liu ·  Min-Hsuan Tsai ·  Thomas Huang





With the incredibly growing amount of multimedia data shared on the social media platforms, recommender systems have become an important necessity to ease users' burden on the information overload. In such a scenario, extensive amount of heterogeneous information su...

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Efficient multi-nodes image retrieval method based on visual words

Article Dec 2014

 Z. Li ·  Jing Zhang ·  Xin Liu ·  L. Zhuo

For the network environment with the limited transmission capacity, a multi-nodes image retrieval method based on visual words is proposed. Firstly, the visual words of query image

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Social images tag ranking based on visual words in compressed domain

Article Apr 2015 · Neurocomputing

 Jing Zhang ·  Xin Liu ·  Li Zhuo ·  Chao Wang

With the introduction of many image compression standards, the social images are stored and transmitted in compressed formats such as JPEG. For large-scale image database, tag ranking must fully decompress the compressed data to predict tag relevance based on visual conten...

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Semantic Mashups for Simulation as a Service with Tag Mining and Ontology Learning

Conference Paper [Full-text available](#) Apr 2014

 Sixuan Wang ·  G. A. Wainer

Nowadays, there is a trend for delivering the Simulation as a Service using web-based/cloud-based services. Existing simulation services cannot be easily discovered and composed. Although semantic mashups have become popular for implementing service composition in...

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Exploring personalized searches using tag-based user profiles and resource profiles in folksonomy

Article

Jun 2014 · Neural networks: the official journal of the International Neural Network Society

 Yi Cai ·  Qing Li ·  Haoran Xie ·  Huaqin Min

With the increase in resource-sharing websites such as YouTube and Flickr, many shared resources have arisen on the Web. Personalized searches have become more important and challenging since users demand higher retrieval quality. To achieve this goal, personalized...

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Evaluation of Folksonomy Induction Algorithms

Article Sep 2012 · ACM Transactions on Intelligent Systems and Technology

 Markus Strohmaier ·  Denis Helic ·  Dominik Benz · [...] ·  Roman Kern

Algorithms for constructing hierarchical structures from user-generated metadata have caught the interest of the academic community in recent years. In social tagging systems, the output of these algorithms is usually referred to as folksonomies (from folk-generated taxonomies)....

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[Article](#) Jan 2006

 Paul Heymann ·  Hector Garcia-Molina

Collaborative tagging systems—systems where many casual users annotate objects with free-form strings (tags) of their choosing—have recently emerged as a powerful way to label and organize large collections of data. During our recent investigation into these types of system...

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Personalized recommendation via integrated diffusion on user–item–tag tripartite graphs[J]

[Article](#) Apr 2009 · Physica A: Statistical Mechanics and its Applications

 Zi-Ke Zhang ·  Tao Zhou ·  Yi-Cheng Zhang




Personalized recommender systems are confronting great challenges of accuracy, diversification and novelty, especially when the data set is sparse and lacks accessorial information, such as user profiles, item attributes and explicit ratings. Collaborative tags...

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Hierarchical Tag Visualization and Application for Tag Recommendations

[Conference Paper](#) Oct 2011

 Yang Song ·  Baojun Qiu ·  Umer Farooq




Social bookmarking sites typically visualize user-generated tags as tag clouds. While tag clouds effectively show the relative frequency and thus popularity of tags, they fail to convey two aspects to the users: (1) the similarity between tags, and (2) the abstractness of tags. W...

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Explore the Structure of Social Tags by Subsumption Relations.

[Conference Paper](#) [Full-text available](#) Jan 2010

 Xiance Si ·  Zhiyuan Liu ·  Maosong Sun

Thanks to its simplicity, social tagging system has accumulated huge amount of user contributed tags. However, user contributed tags lack explicit hierarchical structure, while many tag-based applications would benefit if such a structure presents. In this work, we explore th...

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