* [Home Page](http://docs.google.com/index.html)
* [About Us](http://docs.google.com/about.html)
* [Admin](http://docs.google.com/admin.html)
* [User](http://docs.google.com/user.html)
* [Register](http://docs.google.com/register.html)

[**An Attribute-assisted Reranking Model for Web Image Search**](http://docs.google.com/index.html)

****  

About to this system

Image search reranking is an effective approach to refine the text-based image search result. Most existing reranking approaches are based on low-level visual features. In this paper, we propose to exploit semantic attributes for image search reranking. Based on the classifiers for all the predefined attributes, each image is represented by an attribute

feature consisting of the responses from these classifiers. A hypergraph is then used to model the relationship between images by integrating low-level visual features and attribute features. Hypergraph ranking is then performed to order the images. Its basic principle is that visually similar images should have similar ranking scores. In this work, we propose a visual-attribute joint hypergraph learning approach to simultaneously explore two information sources. A hypergraph is constructed to model the relationship of all images. We conduct experiments on more than 1,000 queries in MSRA-MM V2.0 dataset. The experimental results demonstrate the effectiveness of our approach.

System Mission

The Mission of this system is to extend work to analyze semantic attributes characteristic and discover that only limited attributes distributed in each image. Hence we propose that the selection of attribute features could be conducted simultaneously through the process of hypergraph learning such that the effects of semantic attributes could be further tapped and incorporated in the reranking framework.

Operations

* 1.Web Image Search Reranking
* 2.Classification-based methods:
* 3.Graph-based methods:
* 4.Semantic Attributes

Keywords

* Search,  
    
  Hypergraph,  
    
  Attribute-assisted.