Image Classification and Retrival Using Spatial Pyramid Matching

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Abstract: Image classification and retrieval plays a vital role in the computer era. Concurrently it elaborates the image and focus the user and the viewer can identify the various object in the given images that enables the viewer to have a clear idea and knowledge about the image. So based on spatial pyramid matching the images are classified and retrieved based on Histogram intersection between the images. The experimental results demonstrate that this method is more accurate and stable. Experimental results on UIUC-Sports dataset illustrating that this model provides competitive retrieval performance, and superior classification performance.