

Determining the cultural interpretation of minimalism in photography through the flickr database

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ABSTRACT

The following paper attempts to determine the possible cultural impact on the interpretations of the artistic movement minimalism in photography. In order to determine the different trends within minimalism and to see if they are culturally specific, the flickr database was used. The corpus included 1'027'777 auto-tagged images, among which 4'356 images were also user-tagged and 193'153 were geolocalized. Based on these tags, the Louvain algorithm was applied to perform communities clustering. The outcome was 5 clusters representing different artistic trends: house and indoor activities, urban and geometry, landscapes, lights and nature.

KEYWORDS

flickr, clustering, minimalism

3 METHOD

4 RESULTS

5 CONCLUSIONS

6 APPENDIX

A ONLINE RESOURCES

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1 INTRODUCTION

ACM's consolidated article template, introduced in 2017, provides a consistent \LaTeX style for use across ACM publications, and incorporates accessibility and metadata-extraction functionality necessary for future Digital Library endeavors. Numerous ACM and SIG-specific \LaTeX templates have been examined, and their unique features incorporated into this single new template.

If you are new to publishing with ACM, this document is a valuable guide to the process of preparing your work for publication. If you have published with ACM before, this document provides insight and instruction into more recent changes to the article template.

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2 DATA

The data used in the context of the project is the Yahoo Flickr Creative Commons dataset that can be downloaded via the flickr api at <https://www.flickr.com/services/api/>. Each image contains a photo_id, a jpeg url, a title, a description, a camera type and tags. The corpus thus includes 1'027'777 auto-tagged images, among which 4'356 images are also user-tagged and 193'153 are geolocalized. The dataset also contains time information 99,99% of the time.