

Real Time Assignment

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PUDT5600
Winter 2014

Colours of Flickr

I am interested in analyzing the patterns in colour in relation to popularity of a photograph on Flickr. I will depict the colour palettes of the most interesting photos on Flickr.

Flickr is an image hosting website and online community where users can share their personal photographs publicly. The Flickr Interestingness algorithm tracks the most interesting photos on Flickr by parameters such as “where the clickthroughs are coming from; who comments on [them] and when; who marks [them] as a favourite; [their] tags and many more things.” Having a high “interestingness” factor is what gets a photo to the Explore page, viewable from the website home page.

The Flickr API

Documentation

The Flickr API Documentation provides information on users, individual photos, and collections or galleries of photos. Some data one might get from this is a list of a specific user’s favoured photos, the comments from a specific photo, or geographical data of where a photo was taken.

<https://www.flickr.com/services/api/>

Data

The following is an example of the json returned from the Flickr Interestingness API.

https://api.flickr.com/services/rest/?method=flickr.interestingness.getList&api_key=d11983424935333440b8090319811289&per_p

Additional Resources

Color Thief

Color Thief is a script for grabbing the colour palette from an image that uses javascript and the html canvas tag. It is available for use as an app online, and the code is additionally available on GitHub for developers.

<https://github.com/lokesh/color-thief>

Process

There are several steps necessary to create this visualization.

- 1 Use the API to get the necessary data from the each photo.
- 2 Use that information to generate each photo's unique URL.
- 3 Run each photo through Color Thief to create a colour palette of the most dominant colours.
- 4 Display these palettes.

Comp

My visualisation will depict the colour palettes of the top 10 photos of each of the last 8 days. They will range from newest to oldest, left to right, respectively, from 9 o'clock with the colours of each palette arranged from the center outwards, in no particular order.

