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Abstract – CKME 136

Context

How does a person describe an image? They would usually describe them by highlighting one or more of its features such as color, texture, shape, motion, and location that it possesses.

There is saying that says a picture is worth a thousand words. Thousands of words may sometimes not be enough to describe an image especially if the image captured is a huge event in a person life.

Describing an image can be extremely challenging especially if the individual who is being described to has not seen this item firsthand.

In games like Pictionary or charades we tried to give our teammate enough clues to beat the other team in the fastest time. The key is to use the least amount of words or gestures.

Everyone has their own words to describe the same image. Some companies like McDonald has achieve the goal of getting the general public to describe them the same way. When someone think of the golden M or golden arches right way McDonald comes to mind.

Problem

My goal from using this data set is to create a classification algorithm that would be able to predict the best word and image combination. By perfecting the algorithm, we can successfully predict what majority of the general public uses to describe images.

This type of data is beneficial to help determine which picture best represents a word that can be used to promote a business or individual ad on their webpage, biography, business card etc.

Data

The image descriptions data set can be obtained from the website https://www.figure-eight.com/data-for-everyone/. Based on the Creative Commons Attribution 4.0 International License this data is free to be shared and transformed as long as author is credited and changes were indicated if made.

Techniques

I will be researching and downloading relevant python packages to conduct a classification algorithm and showcase my research and findings.