RGB Image Character Classification

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Abstract

This is Abstract.

1 Introduction

Meme is a humorous image, video, or piece of text that is copied and spread rapidly by Internet users. Sometimes, people want to search meme online and show it to their friends that they thought it was funny. However, often, it is hard to find the meme that a person is looking for. Currently, online meme search engines are relying on the hash tags to match user inputs with the results. However, normally, users do not catch the phrase from the hash tags, but the actual contents in the image. Therefore, it would be useful to have meme search engines to have an algorithm such that can find the memes based on the word contents inside the images.

Convolutional Neural Networks is a popular method to recognize images and classify its label. Currently, there are many research focusing on utilizing this method for recognizing text images in real life. However, classifying memes is different in that words in the memes are graphically added as contents. Therefore, making a model for classifying graphically oriented characters would be useful for developing a search engines for memes.

The main goal of this project is to contribute to the developers who would build a meme search engine for the users. To begin with, this project will focus on classifying graphical characters. This paper will explain how the model was built with the convolutional neural networking methods.

1.1

2   Method

$$f(x) = x^2 \tag{1}$$

3   Experiment and Result

4   Conclusion

5   Reference

Hello World!