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Project Abstract – CKME136

Problem

Much work has been done using text to identify sentiment in social media posts. However, much social media communication is image-based. Classifying sentiment from these images has proved to be a larger challenge, partially because of the difficulty in obtaining sufficient training data.

Approach and Data

I propose to develop an unsupervised image sentiment classifier based on streamed Twitter data.

Methodology

First, I will generate a sentiment label based on text-based sentiment analysis, taking into account both the original tweet and responses.

I will use these text-derived sentiments to train a Neural-Network based predictor on the tweeted images.