

Computer Vision MS: project proposal

February 2022

Title

Image Sentiment Analysis using commonsense knowledge

Abstract

Image Sentiment Analysis is the problem of recognizing the emotions that images evoke to humans. The most successful approaches to this problem are Convolutional Neural Networks trained on large-scale datasets. However, training these models requires large amounts of labeled data, and often the models do not generalize well across datasets. In this project we will explore the use of external commonsense knowledge to improve the accuracy and generalization capabilities of the deep learning models for image sentiment analysis. For that we will create bimodal neural networks that will incorporate semantic reasoning.

Academic Supervisor

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