COMP-SCI 5542 (SP17) - Big Data Analytics and Applications

<u>Tutorial 11 Assignment (Due 04/12/17 by 11:59 PM)</u>

Dayu Wang (45)

1. TensorFlow Programming

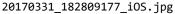
1.1. Training Dataset

In this project, the **Flickr30k** dataset was chosen to serve as the training dataset, since the Flickr30k dataset has become a standard benchmark for sentence-based image description^[1]. Since the dataset is too big (way over the file size limit of GitHub), the dataset itself was not uploaded to the Git repository.

1.2. Number of Captions for Each Image: 4

1.3. Screenshots of Results



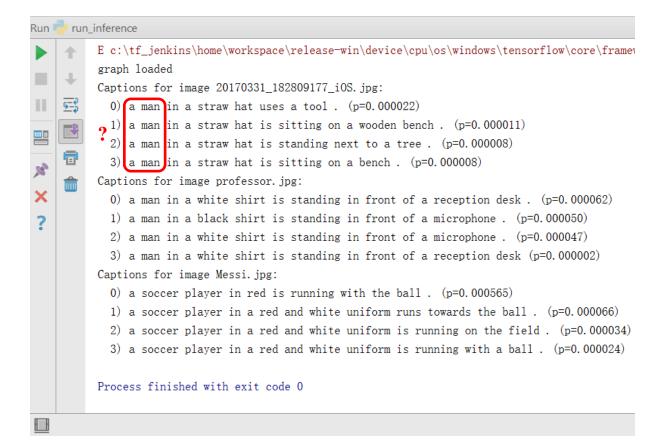




professor.jpg



Messi.jpg



2. Web-Based Question Answering (Screenshot)

COMP-SCI 5542 (SP17) - Big Data Analytics and Applications
Tutorial 11 Assignment - Question 2
Dayu Wang (45)
Web-Based Question-Answering System for Emoji Impressions
Please give the URL of the input image (JPG Image ONLY).
https://image.ibb.co/i3rYAa/3.jpg
Please select a question type (Default set to be emotion detection).
What is the emotion related to the emoji?
 Give me a Tweet for the emoji (Being Developed).
Submit
The emoji is probably representing: Disgust

3. Reference

[1] Plummer, B. A., Wang, L., Cervantes, C. M., Caicedo, J. C., Hockenmaier, J., & Lazebnik, S. (2015). Flickr30k Entities: Collecting Region-to-Phrase Correspondences for Richer Image-to-Sentence Models. In *Proceedings of the IEEE International Conference on Computer Vision* (pp. 2641-2649). View Original Paper