Week 10
11-777

Due: Thursday, Nov 2, by 4:30 pm

Instructions

A small yet significant part of the course is answering a few questions based on a paper you just read. By design, some of these questions are open-ended and the purpose is to start a thinking process. Some of those questions may already have been answered in recent literature (or in the given paper itself). We encourage you to, both, come up with your own ideas and survey recent papers before answering these questions.

A few key points to take care of:
- Answer two out of the three questions (you are welcome to answer all 3), unless stated otherwise.
- A lot of questions ask you to suggest changes or make alterations. It would be nice to support it with logical / mathematical arguments. Cite all sources used in the process of coming up with your answer. Figures and equations, if they support your arguments will be appreciated.

Questions

What are you talking about? Text-to-Image Coreference

1. What is the role of the 'a' variables described in the paper? What does a zero value for a_j indicate? How is the performance of the model with respect to these variables evaluated?

2. Briefly describe the collection process for complex descriptions of images. What are some interesting observations that the authors made about the collected dataset? What is your intuition behind these?

3. Do you think the model described by the authors in the given paper is easily generalizable? Explain why or why not. How can it be made more generally applicable?