CMSC395 : Natural Language Processing (Spring 2019)
Final Project

Due on 5/2/19 at 11:59pm (No late days). Each group should submit a directory named "final" containing a pdf **report** and **source code** (with a *readme.txt* file describing how to compile and run the program.) via a member's Box directory. Lastly, each person should submit a **reflection**, as usual.

Things to include in the final report (5~8 pages):

1. **Abstract: (**1 paragraph) overview of the problem, approach, and experiment results.
2. **Introduction:** (1 page) What is the high-level problem at hand? Why is it worth the effort to do a project on this?
3. **Survey of Related Work: (**½ ~ 1 page) summary of related work. Be sure to discuss why they are relevant but different from your work.
4. **Formulation:** (½ ~ 1 page) computational representation of the problem (e.g. binary classification, sequence tagging)
5. **Approaches:** (1~2 pages) Provide an overview of your system, presenting and justifying important design choices such as algorithms, features, etc.
6. **Experiments & Analysis:** (1~2 pages) Describe the dataset and the experiment setup. Compare the performance of your system to that of a related work or other versions of your system (both if possible!). As part of the analysis, examine the specific data points that are correctly classified by one but not others, instead of simply focusing on the final evaluation measures.
7. **Conclusions: (**½ ~ 1 page) Summarize the project (major findings, weaknesses, etc.) and describe an extension of the project that you'd like to work on if you had more time.
8. **Appendix:** Briefly describe the roles of the members.

* Section names and their organization need not match this list exactly. (The format is modeled after a typical research paper; you may have noticed it during your literature review.)
* The members may receive different grades if there is a noticeable difference in contribution.
* The grades will be based on

Task (15%): Is the task well motivated? How novel is it? How challenging is it?
Literature survey (20%): How thorough is the survey of related works?
Technical soundness (35%): Are the experiment setup and design choices adequately described and justified? Are they reasonable?
Clarity (20%): Does the report clearly describe all the components mentioned above, making use of tables, graphs, and diagrams as necessary?

Reflection(10%): Reflect on this assignment and the whole course.