Final Report Instructions

Overview

The primary goal of the Data Mining Project has been to enable you to apply all your learned knowledge and skills from the Data Mining Specialization to solve real-world data mining problems. Now that you have finished all the specific data mining tasks about mining the provided Yelp data set, it will be useful for you to write a Final Report about the Project to reflect on what you have accomplished and learned through working on all these tasks, to integrate all your work, and to highlight some of the most interesting/useful data mining results you have produced as well as any new knowledge you have discovered through experimentation.

Instructions

We expect you to be able to mostly reuse the task reports that you have already written when producing this Final Report, but you should try to integrate your task reports in such a way to highlight the following aspects:

- Usefulness of results. What are the most useful data mining results that you've produced through these specific data mining tasks? Who might benefit from such results?
- Novelty of exploration. Which ideas/methods that you explored are most likely novel (and thus probably not tried by others)?
- Contribution of new knowledge. What new knowledge did you learn from the project activities, particularly through the experiments? Have your experiments helped create any new knowledge about how to best solve a problem? For example, did your experiments help us know which method works the best among the methods you tried for any problem?

Submission

Your Final Report should contain three parts, as described below. There's no overall length requirement, but Part 2 (the highlights of your project) must be at least two pages.

1. A summary of your project activities, which can be simply a compressed combination of all your individual task reports.
2. The highlights of your project, which should consist of three subsections corresponding to usefulness of results, novelty of exploration, and contribution of new knowledge, respectively.
3. A brief discussion of what has to be done in order to make your data mining results really useful to people (i.e., building a practically useful system to help people make dining decisions).