CS 6316 – Machine Learning

Final Project Presentation Requirements

Logistics:

1. All group members *must* be in attendance.
2. Each group will make a presentation to the rest of the class.
3. **Duration**: 10 minutes max (practice your presentation to ensure you keep within this time).
4. Every member of the group must contribute to the presentation (must speak).
5. You may have visual aids to assist you with your presentation such as slides or similar (you may use your own laptop to present on).
6. Final submission material must be submitted on time (see "Final Submission" below).
7. All groups must attend ***all three*** presentation days to support your classmates.
8. Each group member will fill out a peer-evaluation form (kept confidential and will not be distributed!)

Presentation requirements:

1. **Introduce** everybody in the group
2. **Problem definition** / description (include **motivation** for your choice)
3. **Background** (include **state-of-the-art**, if available/appropriate; **challenges**, and **goals**)
4. **Description of data** and data source
5. **Preprocessing**
6. **Feature selection** and **Dimensionality reduction** (if appropriate)
7. **Experimental design**, including:
    a. What is your **process**? Describe the design of your experiments including your **methodology** to compare the performance of various algorithms/techniques used
    b. **Algorithms** you have used (*remember, minimum requirement is to use two*)
    c. **Model selection** using cross validation
    d. **Metrics** you have used
8. **Results** of comparative performance evaluation (don't be shy to report on *unsuccessful* portions of your project – this is a learning process!)
9. **Software** and **hardware** used
10. **Discussion or Results / Conclusions** (include **areas for improvement** and/or **future work**)
11. **References**
12. **Ask** if anybody has any questions! ☺ Be prepared to respond to any questions you receive.

You are encouraged to include more things in your presentation as it pertains to your project.

Final Submission:

[1] Report

- Submit a **full report** providing details about your whole project. Use the section headings given above (or similar) as a guide to what to include in your final report. You must include a "References" section in your report. Add additional headings to your report if you discuss more things than the items listed above.
  Note: this report is considered a formal report and therefore should be more comprehensive than the "round 1 or 2" reports you have submitted in the past.
- This report must be typed and in PDF format.
- There is no page limit on this report; simply make sure you cover all topics completely.
- Report should be typed in font no larger than 12 pt, double-spaced, and use standard margins (1-inch all around.)
- Ensure that the following information is at the top of the document:
  - **Team name**, if you have one (*feel free to have fun with this, and be creative!*)
  - **Team number** (SEE SPREADSHEET)
  - **Names and computing IDs** of all group members

[2] Visual Aids

- Submit any **visual aids** that you used during your presentation.
- Convert to PDF format if possible.
- Other things, simply include in the ZIP folder.

[3] Project Code

- Submit all your **code** that you used for your project.
- Include helper files or other material if appropriate.
- Make sure your code is clearly commented!
- Include a README file if necessary.

Submitting:

- Only **ONE (1) person** from each group needs to submit the report, visual aids, and code (and any other material you wish to include) on **Collab** (submit to: "**Final ML Project.**")
- Submit all final project materials collectively in a **single ZIP folder** **by 11:30pm 11/27/2017.**

BEST OF LUCK with your final project presentations. I am looking forward to seeing them!