CE888 Assignment 1

January 22, 2019

1 The Assignment

The main aim of the two assignments is to analyse data and present your analysis both online and in a form that is appropriate for publication in an academic journal. For Assignment 1 you will have to perform the **first** task from the list of your project. Ask the module supervisor if you do not know which project you are supposed to do.

You have to complete the **first** task for your project (of course, feel free to do more than that, but the first task is the absolute minimum required) and deliver a report that contains the following sections:

1. Abstract: provide a short description of your work and try to convince the reader that your paper is worth reading!
2. Introduction: explain the purpose of your work and motivates it - why is what you are doing important?
3. Background: description of similar efforts done in the past (i.e., literature survey). Discuss any previous work on the topics and go beyond the provided references.
4. Methodology: describe what your analysis will achieve and what methods you will use to achieve your goals. Describe the dataset/s you are going to use, including how the data was collected (or generated).
5. Experiments: outline any experiments/analyses you will perform and explain the rationale behind them/it. If there are explicit results from other studies, list them here.
6. Discussion: explain how you will evaluate the results and how you will gain insights from your experiments.
7. Conclusion: any concluding remarks you might have.
8. Plan: Provide a breakdown of the work needed to complete the project and how long it will take. Use dates or a Gantt chart. Be realistic about what you can achieve.

The first report will be a 5-page report in IEEE journal article format + 1 page for the plan.

2 Deliverables

1. A report in PDF format, adhering to the IEEE Journal standard.
2. A link to a GitHub project that contains the prototype code and the data you are going to use — it should be the same as the one you used for the labs. If the data used is massive, provide a link to it instead in your GitHub README.md.
3. A complete project tree containing all files used in the project — basically a .zip file of your GitHub project.