

CE888 Assignment 1

January 22, 2020

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. **Results:** 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 3-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 GitHubproject.

3 Help

1. Please use [Overleaf](#) to prepare the report.
2. Example IEEE template on overleaf can be found [click here](#).
3. The guideline and policies for IEEE can be found at [click here](#).
4. I would recommend taking a [Writing in Science](#) free course.