Assignment report formal requirements

The reports can be written in any typesetting system (MS Word, Latex, Lyx, TeXmacs, etc..) but the submitted file must be a pdf file. My recommendation is to use Latex through Overleaf. Whichever you choose, you are free to format the document as you see fit as long as it serves the purpose of displaying your overall work clearest. You are required, however, to adhere to the structure described here, that reflects the structure of scientific publications:

- **Title area**. It must contain: title, author names and studentIDs, time of last modification, email address of the authors.
- **Abstract**. ~150 words.
- **Introduction.** This part builds up the context, introduces the problem at hand and gives a brief overview of the major milestone publications on this topic.
- **Methods.** Give the theoretical background here, detail the methods you are using, and whenever you can give references.
- **Results.** Detail the results of the investigation in an objective manner here. Explain the figures, highlight expected and unexpected results.
- **Discussion.** This is the part where you elaborate on your findings including you own opinion. Why is the result interesting, how could you take it even further in the future, where can you see possible use for it, what are remaining questions, etc.
- **Task distribution.** This should be a short paragraph describing the contribution of each team member. You must include the code development statistics using git-fame (https://github.com/casperdcl/git-fame Links to an external site.). Make sure that at least the following fields are included: Author, surviving lines, commits, files, distribution of these. Make sure the 'Author' names are identifiable in the report.
- **References.** Use APA citation format, the references should be ordered by appearance in the text.
- **Appendix.** (Optional) Put things (e.g. additional figures, code snippets) that are not referenced directly in the main text here.

Note 1: Aim for high quality – make sure figures/tables have caption, they are pointed to from the text. Figures should have the proper aspect ratio, at least 300 DPI resolution, clear legend, axis labels, units. Equations are accurate and numbered, and references are complete.

Note 2: You need to work on the code in a git repository (preferably GitHub). You need to hand in the relevant codes as a URL pointing to the public repository. Make sure you use comments and docstrings and adhere to PEP8 standard. Make sure there is a proper README and license (I suggest MIT, BSD, or some creative commons license). Document command line parameters, if any, and list all dependencies of your code. It is your responsibility to make the relevant files in the repository accessible.