1.3 Group Final Report

1. Introduction. An overview of the project and an outline of the report.

2. Description of the data set.

3. Description of the deep learning network and training algorithm. Provide some background

information on the development of the algorithm and include necessary equations and

figures.

4. Experimental setup. Describe how you are going to use the data to train and test the

network. Explain how you will implement the network in the chosen framework and how

you will judge the performance. Will you use minibatches? How will you determine the

size of the minibatches? How will you determine training parameters (e.g., learning rate)?

How will you detect/prevent overfitting and extrapolation?

5. Results. Describe the results of your experiments, using figures and tables wherever

possible. Include all results (including all figures and tables) in the main body of the

report, not in appendices. Provide an explanation of each figure and table that you include.

Your discussions in this section will be the most important part of the report.

6. Summary and conclusions. Summarize the results you obtained, explain what you have

learned, and suggest improvements that could be made in the future.

7. References. In addition to references used for background information or for the written

portion, you should provide the links to the websites or github repos you borrowed code

from.

8. A separate appendix should contain documented computer listings (code).