Alzheimer's Disease Prediction
ELL - Lab 2

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Contents

1 Theoretic

1.1 Abstract

Summarize the future sections in this research article.

1.2 Introduction

Elaborate the background of the related domains which the article tackles - Deep Learning and Alzheimer's Disease.

1.3 Related Work

Enumerate approaches from different state-of-the-art articles in line with the topic, their advantages, disadvantages and further improvements.

1.4 Dataset

Describe possible datasets to be used, their origin, availability and differences.

1.5 Proposed Approach

Detail the researched techniques, starting from the reasoning, then presenting them at a lower level.

Compare them to other related works.

Furthermore, explain the methods of evaluation and loss functions tested, which ones were chosen and for what reason.

1.6 Results and Experiments

List the results of various techniques and approaches using graphs and tables.

1.7 Discussion

Describe the advantages and disadvantages of the paper and its applications.

1.8 Conclusions and future work

A final summarization of the paper, which intends to remind the reader of the previous sections, as well as put forward future improvements revealed throughout researching the topic.

1.9 References

An ordered list of articles which will have been referenced throughout this research paper.

2 Code

2.1 Libraries

Detail which libraries were used and why, drawbacks and advantages over others.

2.2 Dataset handling

Explain, using code, how the dataset/s were handled, pre-processed, the specifities of each of them.

2.3 Algorithm

Describe how the algorithm functions piece by piece, starting from network, to loss functions.

2.4 Results

Display how the results were calculated, through which methods and their percentages.

2.5 Own contributions

Enlighten pieces of code which were personal contributions to the topic and bring forward improvements.