Comparative Evaluation of Neural Architectures for Sentiment Analysis on Twitter Data: From MLPs to Transformers

Josh Le Grice - 720017170

1 Introduction

Explain the background, motivation, and clearly state your research question. It is likely that you will incorporate several references to support your argument's significance and to acknowledge previous studies [?].

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2 Dataset Description

Describe the dataset source, key features, size, and any preprocessing applied. Don't forget to cite the dataset [?] you used accordingly.

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3 Methods

Describe the ML methods applied (regression, classification, clustering, etc). Justify the choice of methods and mention assumptions, if any. There is no need to go into the basics of your techniques, as these should already be discussed in the references [?] you use (find appropriate references!). Instead, focus on explaining how you implemented and applied these techniques. Please provide detailed information about the parametrisation and experimental setup, ensuring that it is comprehensive enough for others to replicate your work.

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4 Results

Summarise main findings, supported by figures and tables. Place figures in the third page of the report using \begin{figure}...\end{figure} and reference them in text using \ref{}. For instance, see Figure ??.

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5 Discussions

Discuss results interpretation, advantages/disadvantages of choices, trade-offs, and limitations.

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6 Conclusions

Summarise key takeaways and possible future work.

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