

Comparison of the NLU and NLG transformers in the context of classifying fake news

This research presents a comparative analysis of Natural Language Understanding (NLU) and Natural Language Generation (NLG) models for the task of fake news detection. A concise literature review was conducted to understand the state-of-the-art techniques in the field. The study focused on comparing the performance of two language models, BERT (Bidirectional Encoder Representations from Transformers) and GPT-2 (Generative Pre-trained Transformer 2). The evaluation involved the application of various metrics to assess the effectiveness of each model. Additionally, the research utilized data visualization techniques to gain insights into the models' decision-making processes. The findings of this comparative study contribute to our understanding of the strengths and limitations of NLU and NLG approaches in the context of fake news detection, providing valuable insights for the development of robust and reliable misinformation detection systems.

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