

Paper Title:

Towards Climate Awareness in NLP Research

Paper Link:

<https://arxiv.org/abs/2205.05071>

1.1 Motivation

The motivation of this paper is to address the serious issue of the climate impact of AI and NLP research, which is becoming increasingly significant due to the large amount of energy used for training and running computational models.

1.2 Contribution

This paper contributes a climate performance model card as a practical solution to this deficiency, allowing researchers to report the environmental impact of their NLP experiments with limited information about experiments and computer hardware.

1.3 Methodology

It presents a quantitative survey to demonstrate the lack of publications in NLP reporting key figures related to environmental impact. The authors provide a climate performance model card as a remedy, which suggests a practical approach to reporting the environmental impact of NLP research with limited information about experiments and computer hardware.

1.4 Conclusion

The authors propose a climate performance model card as a practical solution to address this deficiency, which can be used with limited information about experiments and computer hardware to report the environmental impact of NLP research.

2.1 First Limitation

The paper acknowledges that the proposed climate performance model card may have limitations in terms of providing a comprehensive assessment of the environmental impact of NLP research, as it relies on limited information about experiments and computer hardware.

2.2 Second Limitation

The paper does not provide specific guidelines or recommendations on how to address the identified deficiency in climate reporting in NLP research.

2.3 Third Limitation

The paper does not discuss the potential challenges or barriers that researchers may face in implementing the proposed climate performance model card or in adopting more systematic climate reporting practices in NLP research.

3 Synthesis

The paper's findings and recommendations can be used by researchers and practitioners in the field of NLP to increase awareness about the climate impact of their work and to facilitate more thorough discussions on environmental sustainability.

