

Natural Language Models are Complex and Expensive

Natural language processing today uses a combination of probabilistic inference and machine learning.

One study* estimated that training a modern NLP model releases as much carbon as manufacturing and using five cars for their entire lifetimes.



*E. Strubell, A. Ganesh, A. McCallum, “Energy and Policy Considerations for Deep Learning in NLP,” *57th Annual Meeting of the Association for Computational Linguistics*, 2019.