

## **Ethics Paper Summary**

Ethical considerations are achieving new currency in NLP, but there is no agreed-upon way to engage with them in our field. As the authors explained, the ideal goal besides academic enhancement is to empower NLP researchers and practitioners with tools and resources to teach others how to ethically apply NLP techniques. This paper wishes to help more relevant researchers understand what kinds of issues to be aware of and what kind of strategies are available for mitigating harm. There are three key points discussed in this essay, dual-use, bias, and privacy. The research in these directions is contributing to maintaining the Ethics and privacy development of NLP techniques. Besides, the type of tutorial is also considerable in ethical research. The researchers discussed an internal topic about Introductory and highlight the importance of making academic development interactive. For instance, the interactivity of a new tutorial format will allow us to use the learning experiences of our participants as a starting point, which may bring us more constructive directions. All the research around Ethics will support the use of NLP techniques more meaningfully and properly.

## **Bias and Generalizability Considerations**

In my opinion, our rules should be able to be applied to similar data expressions that appear in other English texts. However, the accuracy of our tool is still below the ideal level, which means that it should not be used in certain specialized fields or for work that requires high correctness. For example, it may show considerable bias when dealing with astronomical data with non-normal expression formats. We consider expediency to be 30% of our design decisions, and sometimes we cannot make all cases ideal, but better suited to the required requirements. As we have designed in our algorithm, all data expressions are deconstructed into tokens and keywords, since they are recombined with support based on relational checks when more complex expressions are needed. This strategy helps to greatly reduce conflicts between "simple data expressions" and "deictic data expressions". However, some cases of interaction remain, and the occurrence of some decisive issues presents considerable effects. In conclusion, any issues of bias that arise in research should not be ignored. We cannot reduce bias in absolute terms, but we can try to learn from it and use the information it brings correctly and profitably.