## Dual Use - NLP

There are 23 questions in this survey.

## Survey disclaimer

This survey is aimed at researchers and practitioners in the field of natural language processing (NLP). This research is conducted by Lucie-Aimée Kaffee [1], Arnav Arora [1], Zeerak Talat [2], Isabelle Augenstein [1], affiliated with the [1] University of Copenhagen and [2] Digital Democracies Institute with the goal of understanding how researchers approach the danger of misuse of their research.

This survey has been approved by the ethics committee of the University of Copenhagen under number 504-0313/22-5000

We will ask you a mix of free-form text questions and multiple-choice or Likert scale questions. In total, this survey will take a maximum of 20 minutes of your time. We would like to ask you to fill the survey exhaustively and with as much detail as possible.

The survey data is collected anonymised and will be aggregated for publication. We will cite free-form text answers but never in connection with any possibly identifying data. Since the survey is anonymised we cannot offer to withdraw or change answers.

## Background

In Academia, what best describes your position? *
Only answer this question if the following conditions are met: ((G02Q34.NAOK (/questionAdministration/view/surveyid/987789/gid/1/qid/230) == 'AO03' or G02Q34.NAOK (/questionAdministration/view/surveyid/987789/gid/1/qid/230) == 'AO05'))
• Choose one of the following answers Please choose only one of the following:
Master student
O PhD candidate
Postdoc
Lecturer
Assistant/Associate Professor
Professor
Other
Do you deploy NLP applications into production? *  Please choose only one of the following:  Yes  No
Where in the world do you work?
• Choose one of the following answers  Please choose only one of the following:
Africa
Asia
O Australia/Oceania
Antarctica
Europe
North America
South America

Background - fields of research

We want to understand what parts of NLP you have been pre-	eviously or are currently working on. Below, we provide you with a list of fields in NLP.				
Please select below, which fields you have worked in (these are the ACL tracks, imagine which ones you have previously, would have or will submit papers to). Please focus on					
your primary fields of work.					
For each field, please provide a list of tasks that you work on	in that field, separated by commas.				
Tasks can be more specific areas of research, not necessaril generation. If the field is the same as the task you work on, ju	ly problem formulations. For example, tasks in <i>Generation</i> could be <i>multilingual data to text generation, poetry</i> ust repeat or specify the task in the text field. *				
Comment only when you choose an answer.  Please choose all that apply and provide a comment:					
Cognitive Modeling and Psycholinguistics					
Computational Social Science and Cultural Analytics					
Dialogue and Interactive Systems					
Discourse and Pragmatics					
Ethics and NLP					
Generation					
Information Extraction					
Information Retrieval and Text Mining					
Interpretability and Analysis of Models for NLP					
Language Grounding to Vision, Robotics and Beyond					
Linguistic Theories, Cognitive Modeling, and Psycholinguistics					
Machine Learning for NLP					
Machine Translation and Multilinguality					
NLP Applications					
Phonology, Morphology, and Word Segmentation					
Question Answering					
Resources and Evaluation					
Semantics: Lexical					
Semantics: Sentence-level Semantics, Textual Inference, and Other Areas					
Sentiment Analysis, Stylistic Analysis, and Argument Mining					
Speech and Multimodality					
Summarization					
Syntax: Tagging, Chunking and Parsing					

## Dual use definition and tasks

The European Union define dual use as: "goods, software and technology that can be used for both civilian and military applications"

As we look specifically into NLP research, we adapt and extend this definition as follows: "Dual use describes any task that can be intentionally used for a harmful (secondary) purpose beside its main application area."

Do you think it is important to have a definition of dual use that can be applied to NLP?
*
Please choose <b>only one</b> of the following:
○ Yes
○ No
Do you think that our definition of dual use (above) is appropriate for NLP? *
Please choose <b>only one</b> of the following:
Compared to the following.
○ Yes
○ No
*
How would you adapt our definition of dual use? *  Please write your answer here:
Flease write your answer nere.
As you stated previously, you work on the following tasks: {INSERTANS:987789X5X1SQ003comment}
{INSERTANS:987789X5X1SQ004comment}{INSERTANS:987789X5X1SQ005comment}
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{INSERTANS:987789X5X1SQ022comment} {INSERTANS:987789X5X1SQ023comment}
{INSERTANS:987789X5X1SQ024comment} {INSERTANS:987789X5X1SQ025comment}
For each task you defined previously, there is one text field. If you defined less than 25 tasks, please leave the additional fields empty. Please add for each task the following:
Dual Use Use Cases: In the text field, state which use cases of the task could be problematic (e.g., uses when models are intentionally deployed out of context or cause harm)

**Task Vulnerability**: On the scale, define how vulnerable is the task to misuse in the form of dual use (e.g., for the use cases you described). Please choose the appropriate response for each item:

	Very vulnerable	Somewhat vulnerable	Neither vulnerable nor invulnerable	Not vulnerable	Not vulnerable at all
Task 1	0	$\circ$	0	0	0
Task 2		$\bigcirc$	$\circ$	$\circ$	$\circ$
Task 3	$\circ$	$\bigcirc$	$\circ$	$\circ$	$\circ$
Task 4		$\bigcirc$	$\circ$	0	$\circ$
Task 5		$\bigcirc$	$\circ$	$\circ$	$\circ$
Task 6		$\bigcirc$	$\circ$	$\circ$	$\circ$
Task 7		$\bigcirc$	$\circ$	$\circ$	0
Task 8	0	$\circ$	$\circ$	0	0
Task 9	0	$\circ$	0	0	0
Task 10	0	0	0	0	0
Task 11	0	$\circ$	0	0	0
Task 12	0	$\circ$	0	0	0
Task 13	0	0	0	0	0
Task 14	0	$\circ$	0	0	0
Task 15	0	0	0	0	0
Task 16	0	0	0	0	0
Task 17	0	0	0	0	0
Task 18	0	$\circ$	0	0	0
Task 19	0	$\circ$	$\circ$	0	0
Task 20	0	$\circ$	0	0	0
Task 21	0	0	0	0	0
Task 22	0	0	0	0	0
Task 23	0	$\circ$	0	0	0
Task 24	0	0	0	0	0
Task 25	0	0	0	0	0

Dual Use definition and considerations

Please choose the appropriate response for each liter:    Vary vulnerable   Vary vul	Overall, as a field, how vulnerable is NLP to dual use?					
Very vulnerable   Very vulne	Please choose the appropriate response for	each item:				
Which, if any, of the scientific artefacts you create or use could be a problem for society or a group of people in a society in terms of dual use?  Check all that apply:		Very vulnerable		vulnerable nor	Not vulnerable	
Check all that apply Please choose all that tapply:    Methods		0	0	0	0	0
Check all that apply Please choose all that apply:     In the idea creation phase     When applying for grants     When reading related work     When exchanging ideas with colleagues     When running experiments     While writing the paper     When submitting the paper     When filling in ethical statements/checklists during submission     When reading reviews     When preparing the camera ready version     After publication     When the work is cited     At none of these stages     Other:  How often do you think of the question of potential misuse of your research? * Please choose the appropriate response for each item:	Check all that apply Please choose all that apply:  Methods Data Model Analysis Interface	or use could be a problem for	r society or a group of	people in a society in terr	ms of dual use?	
Please choose the appropriate response for each item:	Check all that apply Please choose all that apply:  In the idea creation phase When applying for grants When reading related work When exchanging ideas with colleagues When running experiments While writing the paper When submitting the paper When filling in ethical statements/checkled When preparing the camera ready versi After publication When the work is cited At none of these stages  Other:  How often do you think of the	ists during submission				
Always Often Sofficialities Rarely Never	Please choose the appropriate response for		Office	Comotimos	Doroh	Nove
		Aiways	Oπen	Sometimes	Karely	Never
			0	0	0	

Which questions do you ask yourself regarding the potential misuse of your research?

	for each item:				
	Very important	Somewhat important	Neither important nor unimportant	Not important	Not important at all
	0	$\circ$	0	0	0
low supported by your inst	•	with regards	to preventing th	e misuse of y	our research?
	Very supported	Somewhat supported	Neither supported nor unsupported	Not supported	Not supported at
	0	0	0	0	0
	does your institution provide?				

Do you have any comments for the researchers?	
Please write your answer here:	

07-04-2022 - 12:01 Submit your survey.

Thank you for completing this survey.