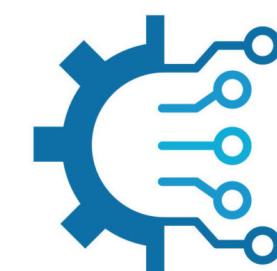


1 Goal of NLP for Social Good (NLP4SG)

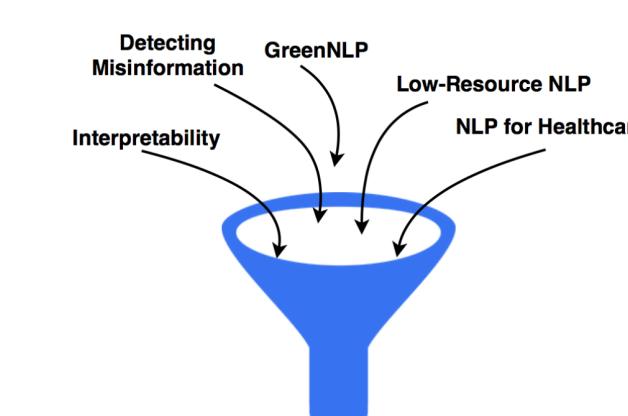


How to help?



AI / NLP Research

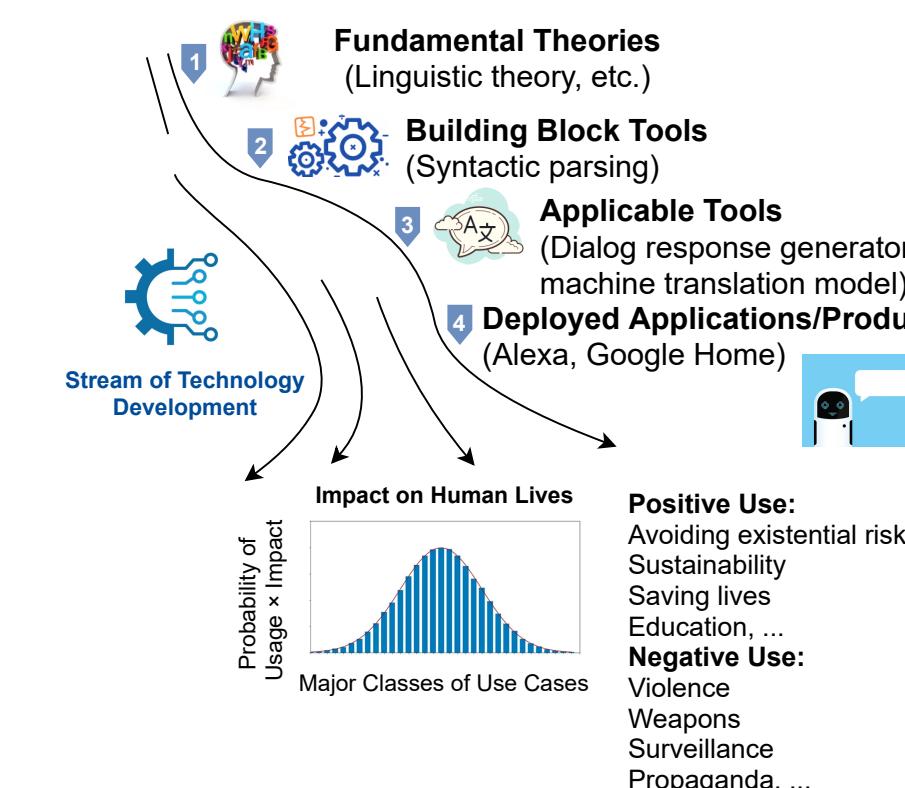
Less-Is-More Understanding



🤔 How to have a simple, bird-view understanding of them?

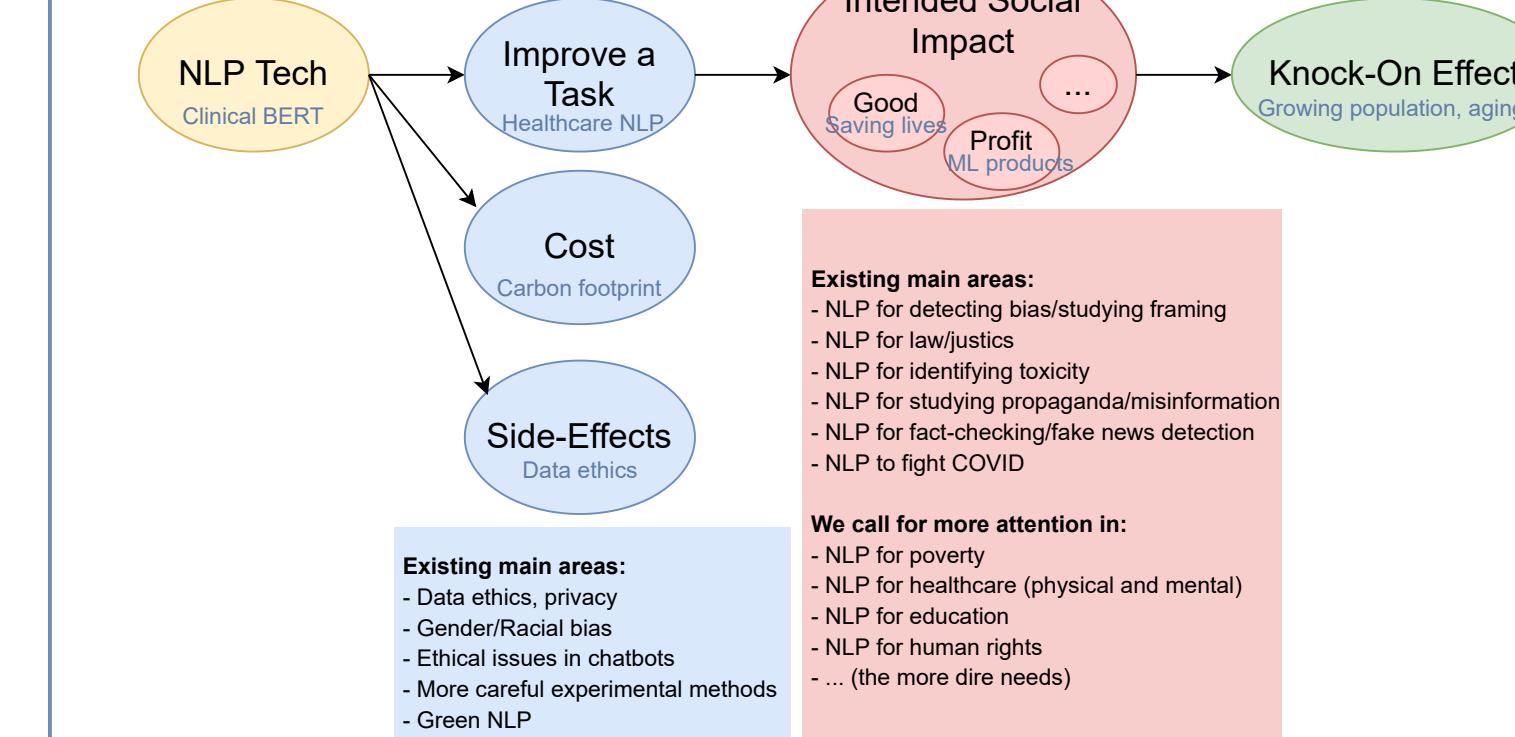
Currently, not categorized, not prioritized.
=> Ok for enumerating. Hard for decision-making.

2 For NLP Researchers



- Positive Use:**
Avoiding existential risks
Sustainability
Saving lives
Education, ...
Negative Use:
Violence
Weapons
Surveillance
Propaganda, ...

3 For Users of NLP Tools

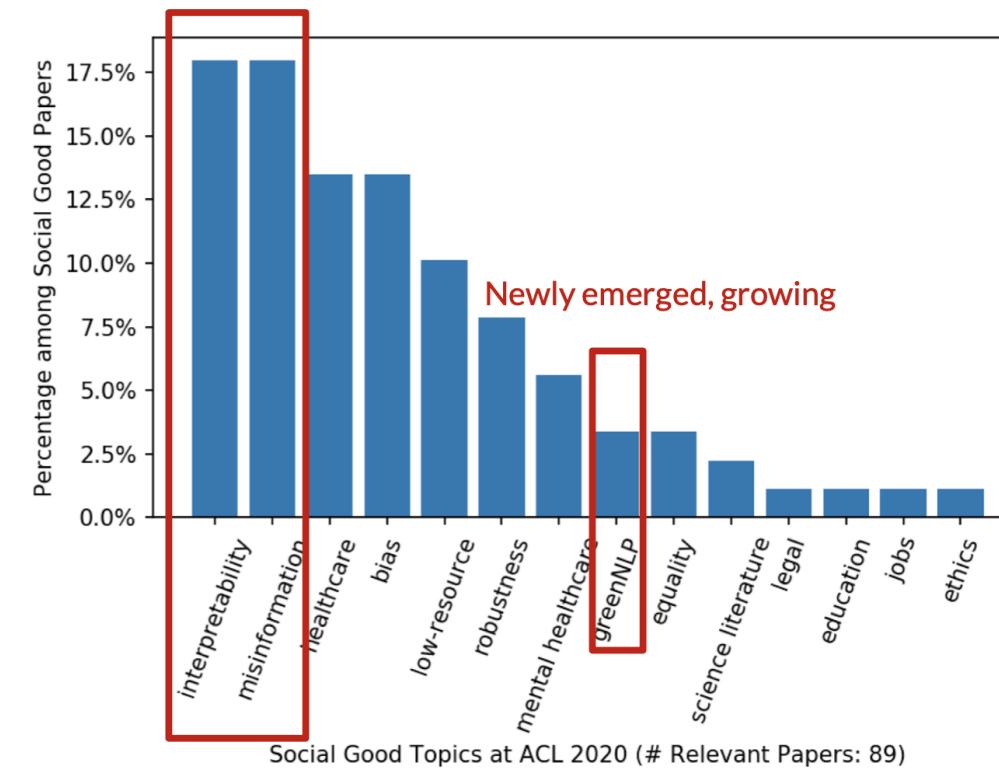


Existing main areas:
- NLP for detecting bias/studying framing
- NLP for law/justice
- NLP for identifying toxicity
- NLP for studying propaganda/misinformation
- NLP for fact-checking/fake news detection
- NLP to fight COVID

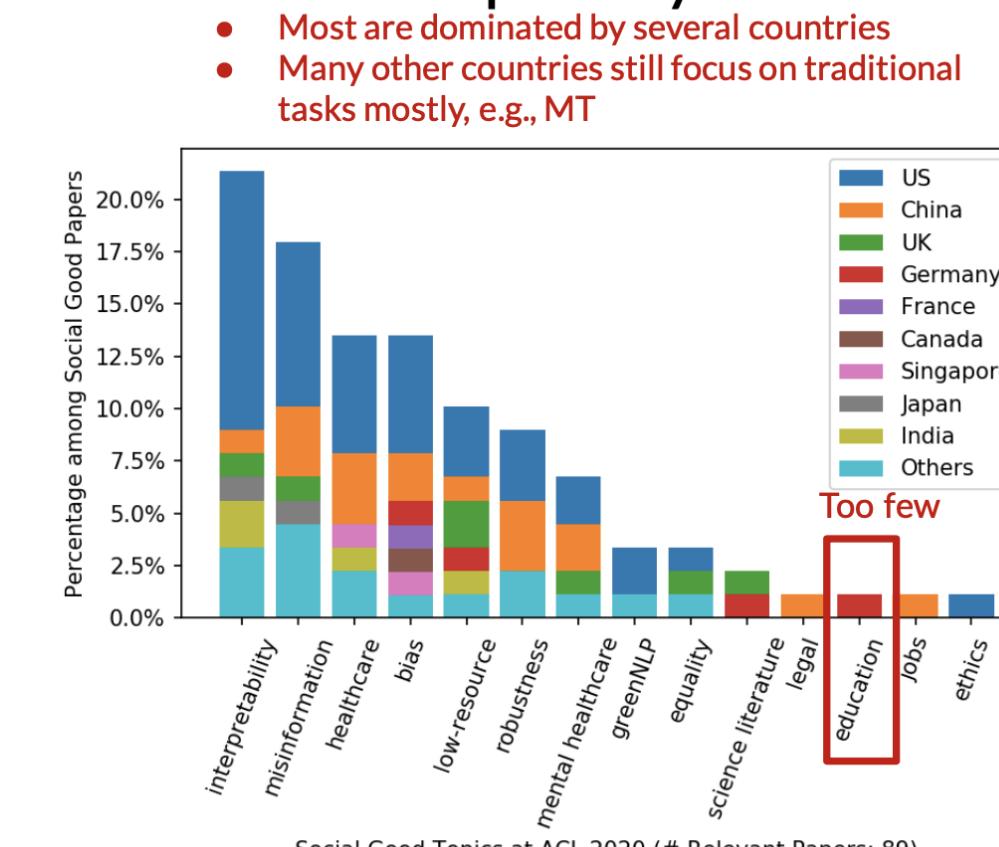
We call for more attention in:
- NLP for poverty
- NLP for healthcare (physical and mental)
- NLP for education
- Ethical issues in chatbots
- More careful experimental methods
- Green NLP

4 Current NLP Trend Analysis

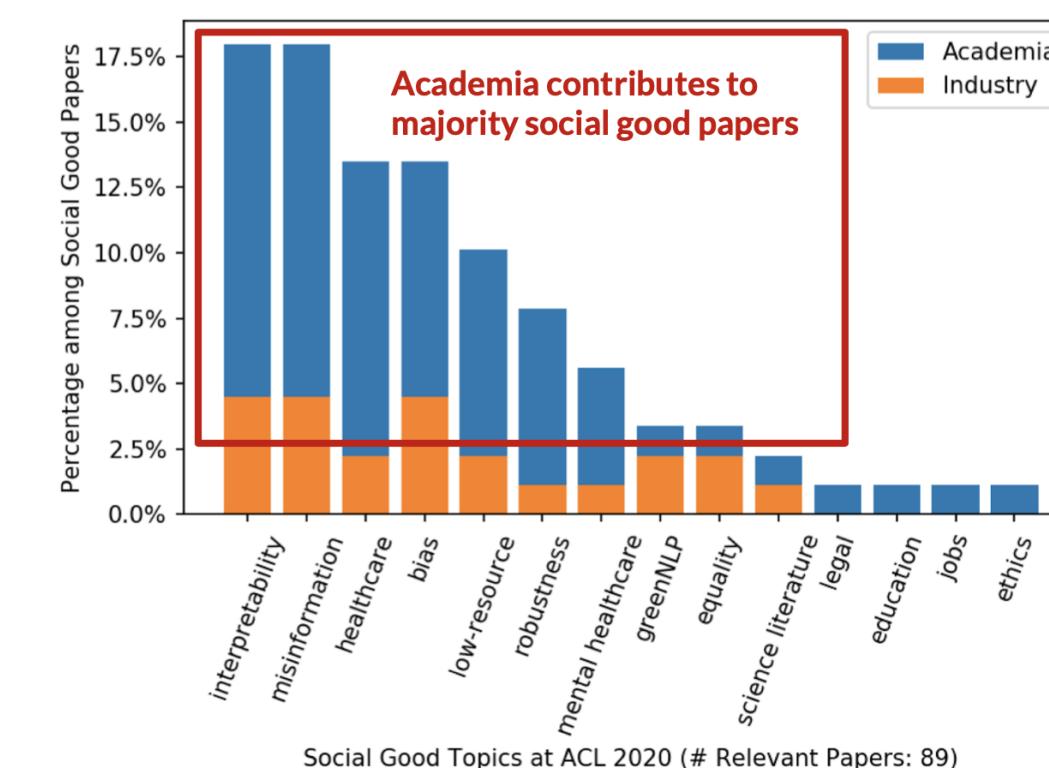
Distribution of Social Good Topics (ACL 2020)



Social Good Papers by Countries



Academia vs. Industry Contribution



5 Aligning with UN Goals



6 Our Proposed CheckList for Future NLP Research



(Q1) What kind of people/process will be benefited from the technology?

(Q2) Does it enforce traditional structure of beneficiaries? I.e., what groups of underprivileged people can be benefited? (e.g., by gender, demographics, socio-economic status, country, native languages, disability type)

(Q3) Does it contribute to SDG priority goals such as poverty, hunger, health, education, equality, clean water, and clean energy?

(Q4) Can it directly improve quality of lives? E.g., how many QALYs might it result in?

(Q5) Does it count as (a) mitigating problems brought by NLP, or (b) proactively helping out-of-NLP social problems?

[We need your help]

Contribute to our "What is NLP for Social Good" survey

<https://forms.gle/q7rgRcvEbx2CyJVg6>

