THE QUEST TO IMPROVE **ONLINE SEARCH**

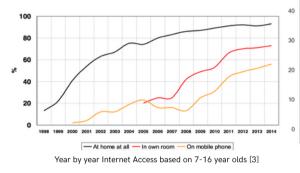
WHAT HAPPENS WHEN KIDS USE SEARCH ENGINES?

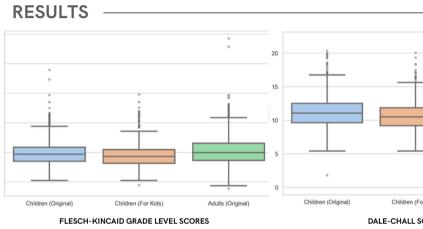
Background:

- Kids increasingly use general search engines [1]
- These platforms are not built for children [2]
- A known strategy: append "for kids" to queries

Problem:

- Past findings are outdated
- Key question: Does this trick still work?





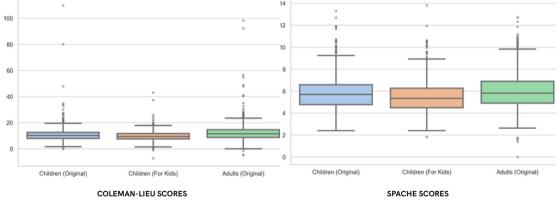
WHAT ARE WE INVESTIGATING?

Main Question: What is the impact of appending "for kids" to children's search queries on the quality of search engine results?

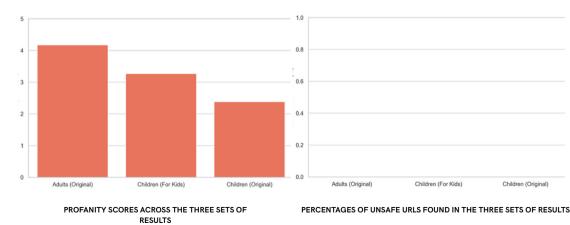
Subquestions:

- · In what ways does appending "for kids" change the readability of retrieved search results?
- · How does the presence of profanity or offensive content in search results vary when queries are appended with "for kids"?
- · What is the impact of appending "for kids" on the distribution of trusted versus non-trusted domain types among search results?









METHODOLOGY

Dataset:

1-3-2018

o 301 child-written queries (K-5 grade) → 294 unique

302 unique adult queries

Dataset for Looking for the Movie Seven or Sven from the Movie Frozen? A Multiperspective Strategy for Recommending Queries for Children

ion Madrazo Azpiazu Nevena Dragovic Maria Soledad Pera. Boise State Universit Publication Date



Tool: Brave Search API

top 5 results per query.

Follow

Children (Original

AUTHOR ——

Alexandra Darie <A.Darie@student.tudelft.nl>

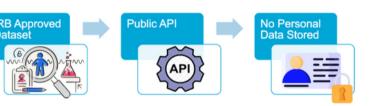
RESPONSIBLE PROFESSOR -& SUPERVISOR

Prof. Dr. Maria Soledad Pera Hrishita Chakrabarti



	0
	_
_	
	Ū
	8
r Kids)	Adults (Original)
CORES	

RESPONSIBLE RESEARCH



CONCLUSION

- Appending "for kids" improves readability across all four metrics (statistically significant), while the other results show negative or no impact
- Strategies to tackle this problem need to be periodically reassessed as technology and societies continue to change

LIMITATIONS



FUTURE WORK

- Evaluate the technique using more up-to-date, diverse query data
- Integrate with adaptive models for query suggestion