

FACULTY

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EFFECTS OF ALGORITHMIC NEWS CURATION ON PARTY PREFERENCES

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WATCH THE VIDEO

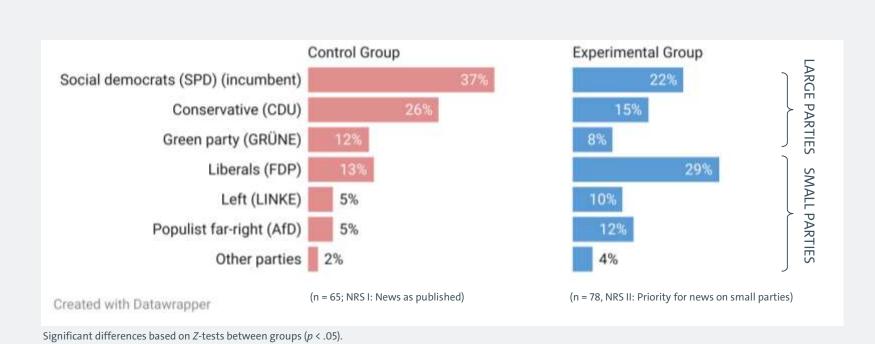
RESEARCH QUESTION

What are effects of varying party visibilities (INPUT)

- in news recommendations (OUTPUT)
- on political news usage, knowledge, attitudes, and voting behavior? (OUTCOME)

RESULTS

- 1. OUTPUT: Supply
- **✓ MORE EXPOSURE TO SMALL PARTIES IN NRS II**



- 2. OUTCOME: Demand
- **✓ MORE NEWS USAGE FOR** GREENS, LIBERALS, OTHERS



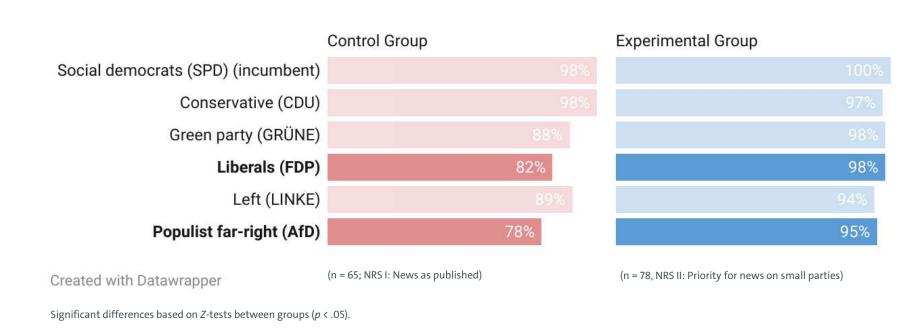
FIELD EXPERIMENT

- 1. News recommender app
- 2. User study during federal state elections in Lower Saxony (D)

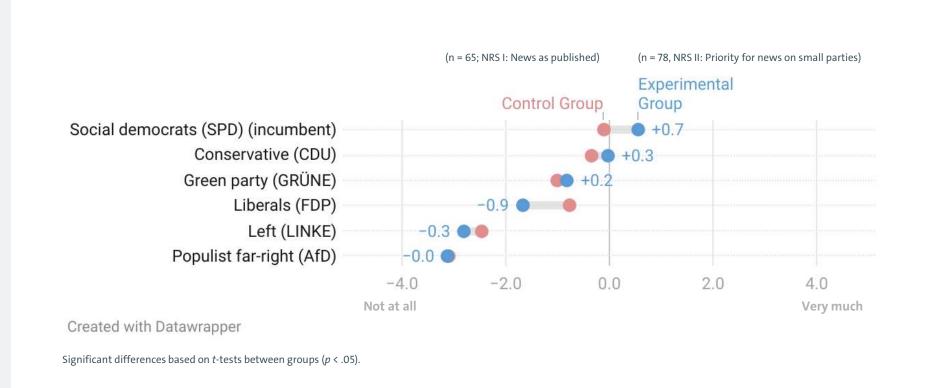
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Study Outline									
	INPUT		OUTPUT		OUTCOME				
Recommender Pipeline			Supply	_	Demand	Effects			
Real- world → news	Data base →	Named entity recognition		Control group (n = 65) Experimental group (n = 78)	\rightarrow \rightarrow	Usage	Political knowledge, attitudes, voting behavior		

- 3. OUTCOME: Effects
- 3.1 Political knowledge
- ✓ DIFFERS FOR LIBERALS AND FAR-RIGHT

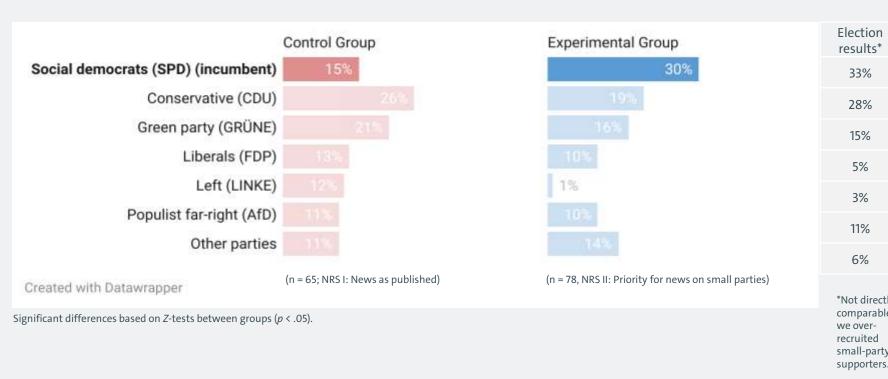


- 3.2 Political attitudes
- **× PARTY PREFERENCES DO NOT DIFFER**



CONCLUSIONS

- News recommender system (NRS) design has a measurable impact on the audience:
- Political news is unlikely to sway party preferences or votes, but
- Users read and know more when exposed to small-party news.
- Let's invest in developing socially responsible NRSs!
- 3.3 Voting behavior
- ✓ DIFFERS FOR SOCIAL DEMOCRATS,



X BUT UNRELATED TO EXPERIMENT

According to a logistic regression analysis to predict the likelihood of voting for Social Democrats or not (n = 143),

- with a dummy variable for the experimental groups, ex-ante and ex-post party preferences, governance ability evaluations, news usage, and candidate knowledge of the Social Democrats
- Only ex-ante party preference (B = .909, SE = 0.316, p = .004) and **ex-post party preference** for the Social Democrats (B = .685, SE =.323, p = .034) were significant predictors of voting for the Social Democrats.

Hence, the experimental conditions cannot be ascribed to the difference in voting behavior.

CONTACT