



Subject Areas:

subject 1, subject 2, subject 3

Keywords:

one, two, optional, optional, optional

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An approach to quantifying the extent of bias in aggregated human population data extracted from digital platforms

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References

Acknowledgements and funding statement (ensure that you have included grant numbers and the names of any funding providers)

Tables with captions Figure captions with credits where relevant

1. Introduction

Focus on aggregated data to ensure privacy and confidentiality

Aim: To propose a methodological framework to measure biases in human population data from digital platforms.

Contributions:

2. Data and methods

(a) Data

Facebook

Twitter

(b) Methods

(i) Bias indicator

(ii) Effective sample size

(iii) Machine learning

3. Results

(a) Measuring the extent of biases

(b) Assessing the extent of biases in digital trace data

(c) Explaining biases

4. Discussion

5. Conclusion

Ethics. Please provide details on the ethics.

Data Accessibility. Please provide details on the data availability.

Authors' Contributions. Please provide details of author contributions here.

Competing Interests. Please declare any conflict of interest here.

Funding. Please provide details on funding

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