

ROYAL SOCIETY OPEN SCIENCE

rsos.royalsocietypublishing.org

Research



Article submitted to journal

Subject Areas:

subject 1, subject 2, subject 3

Keywords:

one, two, optional, optional, optional

Author for correspondence:

B. Security

e-mail: f.rowe-gonzalez@liverpool.ac.uk

Template for preparing your research report submission to Royal Society Open Science using RMarkdown

Francisco Rowe^{1,2}, Bob Security²

¹Geographic Data Science Lab, Department of
Geography and Planning, University of Liverpool,
Liverpool, United Kingdom.

²Another University Department, Street, City, State, Zip

The abstract text goes here. The abstract text goes here.
The abstract text goes here. The abstract text goes here.
The abstract text goes here. The abstract text goes here.
The abstract text goes here. The abstract text goes here.

The main document should include:

Title (no more than 150 characters)

Author names and affiliations, and ORCID iDs where available

Abstract (no more than 200 words). (This will be used in reviewer invitation emails so please think about how to describe your work to make it easy for a potential reviewer to determine whether they would be suitable.)

All main manuscript text. Ensure that all figures, tables and any relevant supplementary materials are mentioned within the text

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

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

Extent of bias

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

Disclaimer. Please provide disclaimer text here.

Acknowledgements. Please include your acknowledgments here, set in a single paragraph. Please do not include any acknowledgments in the Supporting Information, or anywhere else in the manuscript.