ISI promoting official statistics: the Statistical Journal of the International Association for Official Statistics (SJIAOS)[1]

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and former member of the editorial team of the SJIAOS

[1]Asia-Pacific Stats Café on “What ISI can mean to you?”

International Statistical Institute (ISI) vision

An international statistical organization that

- sets the global standard for ethical practice in statistics;
- connects its members and shares the most recent developments in statistical techniques and practices; and,
- offers high-quality scientific content and support the development of statisticians from all over the world.

International Association for Official Statistics(IAOS) mission

- to promote the understanding and advancement of official statistics and related subjects

and

- to foster the development of effective and efficient official statistical services through international contacts among individuals and organizations, including users of official statistics as well as research institutes[2]

[2] https://iaos-isi.org/wp-content/uploads/2023/03/1999-Final-Report-on-the-Review-of-the-Profile-Mission-and-Tasks-of-the-IAOS-by-Carlo-Malaguerra.pdf

Official statistics

- statistics produced by government agencies and can inform debate and decision making both by governments and by the wider community.[3]

[3] https://unstats.un.org/unsd/goodprac/bpaboutpr.asp?RecId=1

These journals each focus on the particular areas of statistical interest of the ISI ‘s Associations

- TIES: Environmetrics
- IASS: The Survey Statistician
- IASC: Computational Statistics and Data Analysis (CSDA)
- ISBIS: Applied Stochastic Models in Business and Industry (ASMBI)
- Bernoulli Society: Bernoulli Journal (BJ) & Stochastic Processes and their Applications (SPA)
- IASE: International Statistical Literacy Project Newsletter & Statistics Education Research Journal (SERJ)
- IAOS: Statistical Journal of the International Association for Official Statistics (SJIAOS)

Main aim of Statistical Journal of the International Association for Official Statistics(IAOS)

- support the IAOS mission by publishing articles to promote the understanding and advancement of official statistics and to foster the development of effective and efficient official statistical services on a global basis.

About SJIAOS

- the flagship journal of the IAOS
- publishes papers of wide interest to both users and producers of official statistics
- with an editorial board headed by an Editor-in-Chief [4] who is responsible for ensuring that the journal focuses on current and emerging issues and challenges related to the management, production and use of official statistics and related public policy matters

[4] **Pietro Gennari,** International Association for Official Statistics
Rome, Italy
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- all papers are refereed
- papers are:
  - expected to be of wide interest to readers
  - encouraged to have focus on the basic principles for official statistics covering areas such as:
    - the importance of applying the best scientific methods,
    - the need for statistical independence,
    - balancing the needs of users with the burden on respondents,
    - the continuing challenges around confidentiality, and
    - the growing need for consistency and coherence across statistical domains and over time and for international comparability.

Broad topics of papers

- Developments and challenges for both global and national statistical systems
- Statistical independence and legislation
- New directions for official statistics
- Delivering relevant and effective statistical services
- New and innovative ways of increasing uses and users of official statistics
- Quality of official statistics

Broad topics of papers

- Engagement of producers
- Innovative use of ICT for official statistics
- Creative use of both new and existing statistical sources
- Organisation of statistical services
- Statistical infrastructure and tools
- Management of statistical and related meta data
- Innovative statistical products and services
- Training of statistical staff, users and producers
- Improving statistical literacy in the community

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Statistical Journal of the IAOS

Sustainable Development Goals

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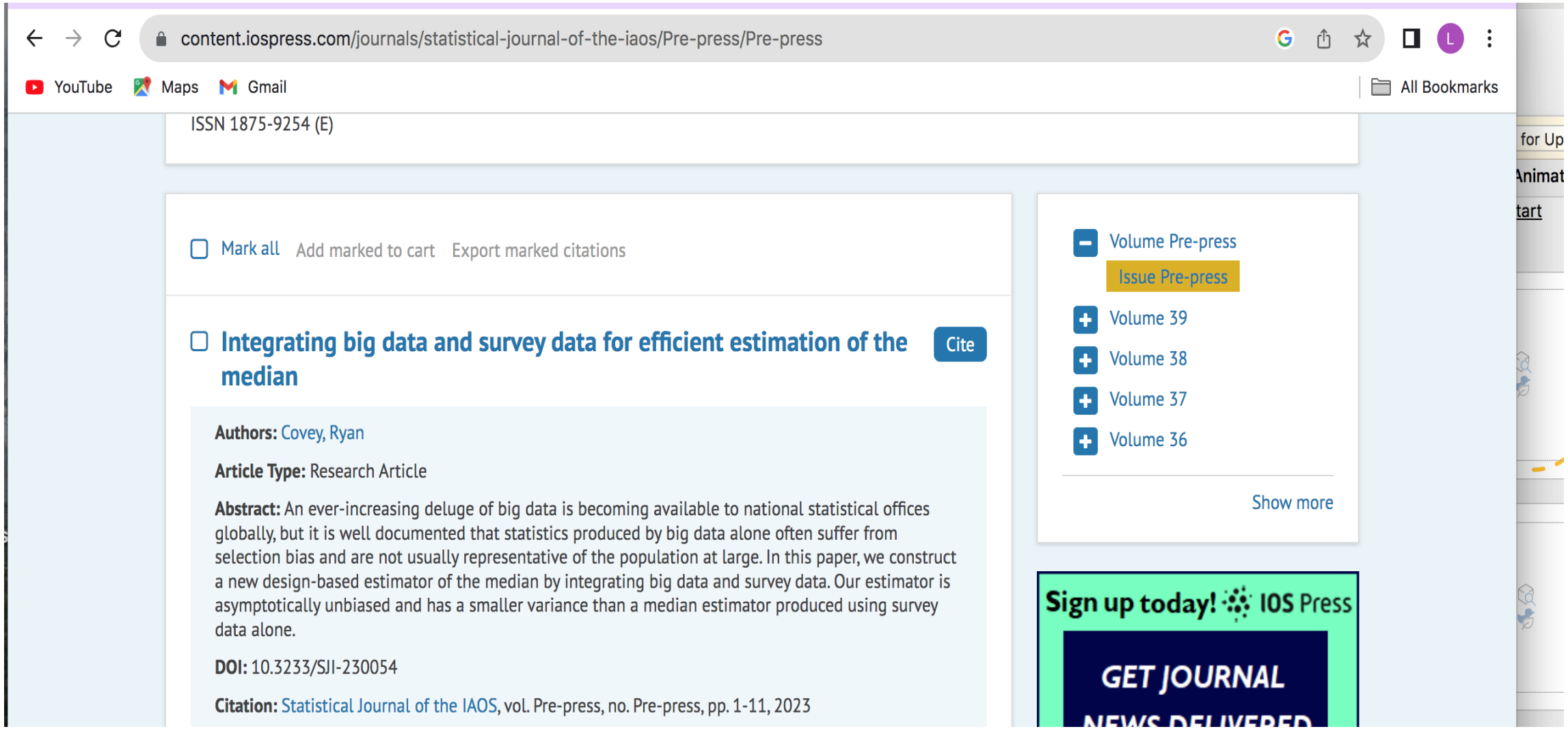
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Integrating big data and survey data for efficient estimation of the median
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Authors: Covey, Ryan
Article Type: Research Article
Abstract: An ever-increasing deluge of big data is becoming available to national statistical offices globally, but it is well documented that statistics produced by big data alone often suffer from selection bias and are not usually representative of the population at large. In this paper, we construct a new design-based estimator of the median by integrating big data and survey data. Our estimator is asymptotically unbiased and has a smaller variance than a median estimator produced using survey data alone.
DOI: 10.3233/SJI-230054
Citation: Statistical Journal of the IAOS, vol. Pre-press, no. Pre-press, pp. 1-11, 2023
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Keywords: Corrupti
household survey, F

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Imputation for sub-sampling in Indonesian National Socioeconomic Survey

Cite

Authors: Hasyyati, Atika Nashirah | Lumley, Thomas

Article Type: Research Article

Abstract: Collecting consumption and expenditure data might result in some measurement problems, such as potential recall bias. In addition, the respondent burden is another issue as a consequence of the interview lasting for hours. Consumption and expenditure data in Indonesia is collected through the National Socioeconomic Survey (Susenas). Indonesia is a country with many factors that can influence how long an interview may take, especially when collecting consumption and expenditure data, so deliberate sub-sampling and imputation need to be considered. The focus of this study is to look at the possibility of using sub-sampling of expenditure data and imputing the deliberately ... Show more

Keywords: Missing data imputation, mice, jomo, missRanger, miceRanger

DOI: 10.3233/SJI-220085

Citation: Statistical Journal of the IAOS, vol. 38, no. 4, pp. 1207-1217, 2022

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Thank you very much!