

30TH ANNIVERSARY OF STATISTICS IN TRANSITION (new series)

Outline

- **D. Rozkrut**, *SITns as a scientific journal of the Polish Statistical Association and Statistics Poland, and as a platform for participation in international scientific life.*
- **W. Okrasa** *Celebrating 30th Anniversary with the 100th Issue of SiT(ns)*
main theses of the G. Kalton's Invited Paper

Partha Lahiri *Keynote Lecture:*

Statistical Data Integration with applications in nonprobability sampling and small area estimation

- **Cz. Domański and W. Okrasa** SiT(ns) as a means of statistical knowledge sharing and professional community building – “statistics without borders”
- ***opinions***: Readers, Editorial Board interaction.

SiTns from the Polish Statistical Association' and Statistics Poland's perspective, as a platform for participation in international scientific life.

- As regards the role of scientific journals from the perspective of scientific organizations:
 - Ron Wasserstein (ASA / ED (from the FCSM2022 conference):

„A few years ago, we asked members what they considered the most important things about a professional society. [...] that is, what things if they were absent would mean the society wasn't really serving its role.

Over 90 % of respondents selected meetings and publications

- [re. meetings]: The MET'23 is a good example of the first thing / mission's accomplishment
- › [re. publications]: The *SiTns* not only provides better and better services - in terms of operational and technical facilities to improve cooperation with key partners, authors, reviewers and readers - but also promotes knowledge-sharing, while contributing to the creation of a community of professionals / statisticians (in a broad sense, acc. to Platek & Särndal, or even broader, as in BLS nomenclature), world-wide;
 - striving for this means that the journal (*SiTns*) itself remains in constant *transition*.

- *“Statistics In Transition” and “Statistics In Transition new series” - First Fifteen Years* (March 2012), **Jan Kordos**:

„I discussed this issue with a number of international statisticians, with Prof. Graham Kalton (USA), and Dr. Richard Platek (Canada).... We came to the conclusion that the most appropriate name would be ***Statistics in Transition***, which essentially corresponded to the journal’s initial aim to serve mainly countries undergoing transition. Besides, statistics is always ‘in transition’ in a sense.”

- ***Preface (WO & DR – current issue)***:

„It is noteworthy that as our journal celebrates its 30th anniversary, the journal’s name Statistics in Transition well reflects the radical changes in the methodology of survey statistics and official statistics that are currently underway, as indicated in the Invited Paper and the discussions in this section.”

30th Anniversary - historical *bird's eye view* – SiT 1993 ...

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STATISTICS IN TRANSITION

Journal of the Polish Statistical Association

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STATISTICS IN TRANSITION is the Journal of the Polish Statistical Association. It will be issued in English twice a year, starting from June 1993.

The Journal is expected to provide a forum for an exchange of ideas and experience in various field of statistics. It will publish articles on statistical methods and their application in investigating social and economic process, especially those relevant to economies in transition. Other papers if they can contribute to statistical development are welcome.

Directions of development: 3i

(„SiTns- challenges and development”
– the Polish Stat. Assn General Assembly, 2014).

(i1) internationalization: from all Polish in 1993 to average 12 authors of 10 papers in last years

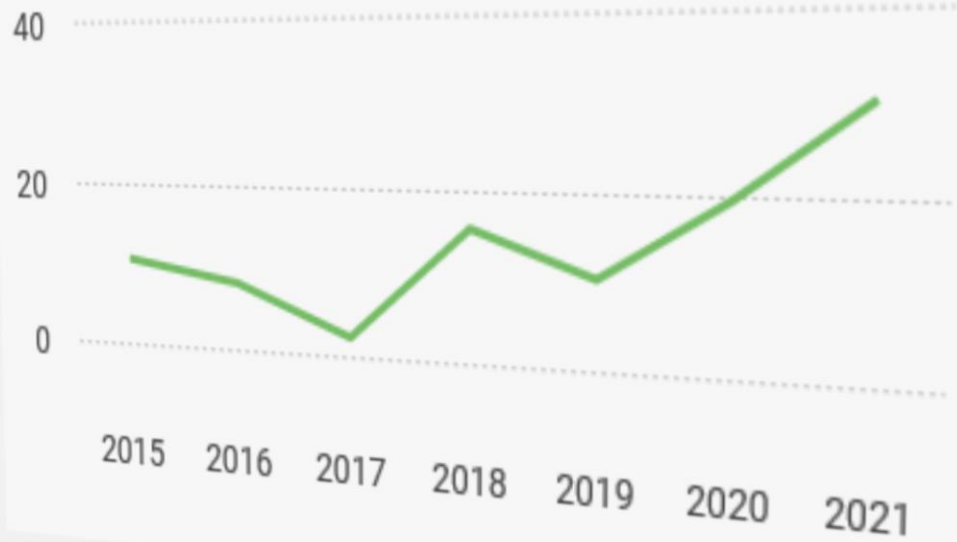
- the EdBd - until 2012 only Polish – extended by foreign experts: A. B. Atkinson (UK), M. Ghosh (USA), G. Kalton (USA), and subsequently by other renowned international names: Partha Lahiri (USA), Danny Pfeffermann (Israel), Carl-Erik Särndal (Sweden);
- thematic / topical special issues edited by invited Guest-editors:
 - 2015, by G. Kalton (Westat) and Ch. Mackie (CNSTAT) „The Measurement of Subjective Well-Being in Survey Research”;
 - 2015, 2016, Joint Special Issue of SiTns & Survey Methodology (Mike Hidioglou) collected papers after SAE conference in Poznan (2014) – two volumes (2015 and 2016) by R. Chambers, M. Ghosh, G. Kalton, and R. Lehtonen;
 - 2020, Statistical Data Integration, by Partha Lahiri;
 - 2013, Joint Special Issue SiTns & SoUA, by W.O & O. Osaluenko

(i2) interdisciplinarization:

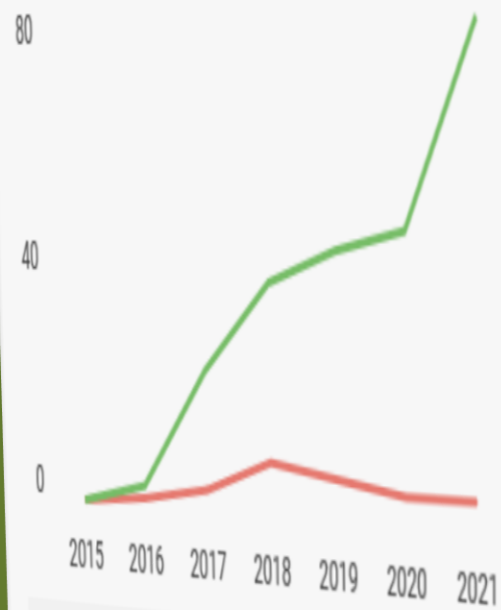
- *SUBJECT AREA AND CATEGORY:* **Statistics - Probability and Uncertainty - Decision Sciences – Mathematics - Statistics and Probability - Business and Economics - Informatics and Communication**

(i3) indexation (and abstracting): SiTns is covered by nearly 40 prestigious databases

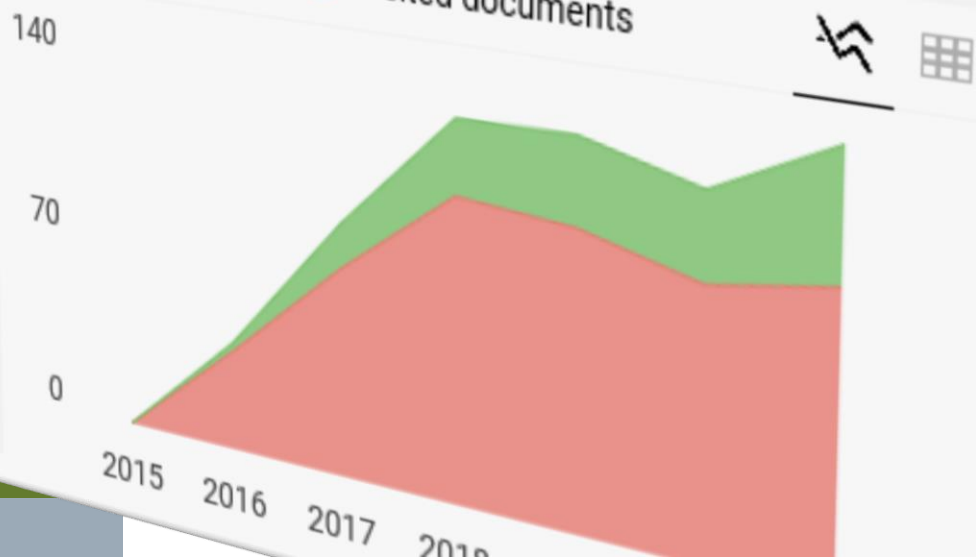
● % International Collaboration



● Total Cites ● Self-Cites

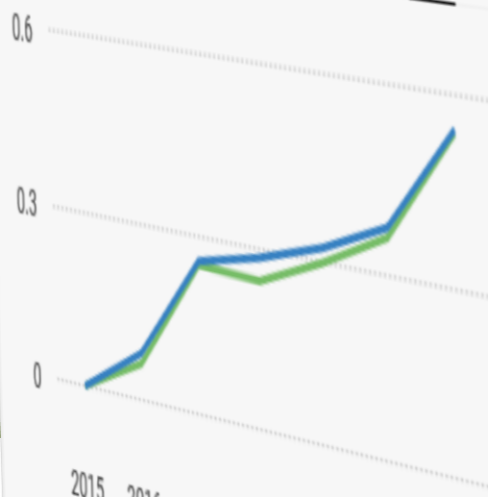


● Cited documents ● Uncited documents



Citations per document

● External Cites per Doc ● Cites per Doc



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2015

2016

2017

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2019

2020

2021

30th Anniversary – *contin ...* → SiTns 2023

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Sample of Special Issues

The collage displays several journal covers:

- 2015:** STATISTICS IN TRANSITION new series. An International Journal of the Polish Statistical Association. CONTENTS: The Measurement of Subjective Well-Being in Survey Research. From the Editors: G. Kalton, C. Mackie and W. Ograsa.
- 2015:** STATISTICS IN TRANSITION new series and SURVEY METHODOLOGY. Small Area Estimation, Poznań 2014. Joint Issue Part 1. CONTENTS: From the Editors, From the Guest Editors (Part 1), Submission information for authors, J. N. K. Rao, Inferential issues in model-based small area estimation: some new developments, David Bourdon, Yuesha Chen, Xuesha Guo, Partha Lahiri, Triple-states using the...
- 2016:** STATISTICS IN TRANSITION new series and SURVEY METHODOLOGY. Small Area Estimation, Poznań 2014. Joint Issue Part 2. CONTENTS: From the Editors, From the Guest Editors (Part 2), Submission information for authors, Andreea L. Erulescu, Wayne A. Fuller, Small area prediction under alternative model specifications, Ralf Münnich, Jan Pablo Burgard, Siegfried Gabler, Matthias Ganninger, Jan-Philipp Kolb, Small area estimation in the German...
- 2020:** STATISTICS IN TRANSITION new series. An International Journal of the Polish Statistical Association and Statistics Poland. CONTENTS: From the Editor, Submission information for authors, Research articles: Pfeffermann D., Ben-Hur D., Blum O., Planning the next Census for Israel, Sohail M. U., Shabbir J., Sohail F., Imputation of missing values by using row moments, Priyanka K., Trisandhya P., Modelling sensitive issues on successive waves, Anshu R., Shangodoyin D. K., Arcos A., Nonrandomized response model for complex survey designs, Ramakrishnalay H. S., Trivedi M., Sattish K., On the smoothed parametric estimation of mixing proportion under fixed design regression model, Sivakumar D. C. U., Kanaparthi R., Rao G. S., Kalyani K., The odd generalized exponential log-logistic distribution group acceptance sampling plan, Dhar S., Mahanta L. B., Des K. K., Formulation of the simple Markovian model using fractional calculus approach and its application to analysis of queue behaviour of severe patients, Leśkowiak J., Skupień M., An application of functional data analysis to local damage detection, Intarapait S., Supapaisorn T., An alternative matrix transformation to the F test statistic for clustered data, Other articles: The 18th Scientific Conference Quantitative Methods in Economics 2017 Warsaw University of Life Sciences – SGGW, June 19th – 20th 2017, Wycinka E., Jurkiewicz T., Survival regression models for single event and competing risks based on pseudo-observations, Conference Announcement: The first, envisioned as cyclic, international conference on Methodology of Statistical Research will be held on 3-5 July in Warsaw, Poland, About the Authors.
- 2023:** STATISTICS IN TRANSITION new series. Vol. 24, No. 1, February 2023. ISSN 1234-7655. STATISTICS OF UKRAINE. An International Journal of the Polish Statistical Association and Statistics Poland. Scientific and information journal of the National Academy of Statistics, Accounting and Audit. A NEW ROLE FOR STATISTICS: Joint Special Issue: Ograsa W., Rozkrut D., Osaulenko O. H., Belkindas M. V., Wasserstein R. L., The Post-Conflict Reconstruction of the Statistical System in Ukraine. Key Issues from an International Perspective, Hrynychak N., Yatsenko O., Bulatova O., Pliashchenko O., Problems relating to the statistical research of the national market of logistics services in war conditions, Osaulenko O. H., Hoshets O., Using Big Data by Ukrainian official statistics when martial law applies: problems and solutions, Reznikova N., Zvarych I., Zvarych R., Ivashchenko O., The impact of the Russian-Ukrainian war on the green transition and the energy crisis: Ukrainian scenario of circular economy development, Koblynska T., Logan L., Motuzko O., A statistical study of climate change in Ukraine under martial law, Lubchenko O., Shulga S., Pavlova H., Method of auditing in conditions of martial law, Vasychenko O., Current challenges related to the consumer price index (CPI) in Ukraine, Sarioğlu V., Oğay M., Approach to population estimation in Ukraine using mobile operators' data, Bondaruk T., Monotnik L., Zaichko L., Budgetary policy of Ukraine in time of challenges and its impact on financial security, Gula T., Kopyanov O., Lazebnyk I., Chernenko D., Koropany G., Statistical modelling and forecasting of wheat and meslin export from Ukraine using the singular spectral analysis, Holubova H., A comparative analysis of the principal component method and parallel analysis in working with official statistical data, Krekshivskiy O., Salikhova O., A new industrial strategy for Europe – new indicators of the results of its implementation, Kuzmenko O., Yarovenko H., Perkhun L., Assessing the maturity of the current global system for combating financial and cyber fraud, Libanova E., Pozniak O., War-driven wave of Ukrainian emigration to Europe: an attempt to evaluate the scale and consequences (the view of Ukrainian researchers), Puhachova M., Gladun O., Using electronic registries to study the COVID-19 pandemic and its consequences, Rajotiya D., Shukla D., Under military war weapon support the economic bond level estimation using generalized Petersen graph with imputation.

100th issue of *Statistics in Transition* (new series)

Volume 24, Number 3, June 2023

ISSN 1234-7655



STATISTICS IN TRANSITION new series

An International Journal of the Polish Statistical Association and Statistics Poland

Okrasa W., Rozkrut D., Preface

PART I

CELEBRATING 100TH ISSUE AND THE 30TH ANNIVERSARY

Invited Paper

Kalton G., Probability vs. Nonprobability Sampling: From the Birth of Survey Sampling to the Present Day
Comments and Discussions: Pfeffermann D., Lehtonen R., Gershunskaya J., Lahiri P., Münnich R., C.,
Wesołowski J., Rotation schemes and Chebyshev polynomials

PART II

Original Research Papers

Ndlovu B. D., Melese S. F., Zewotir T., A nonparametric analysis of discrete time competing risks data:
a comparison of the cause-specific-hazards approach and the vertical approach
Vogt M., Lahiri P., Münnich R., Spatial Prediction in Small Area Estimation
Tiwari K. K., Sharma V., Efficient estimation of population mean in the presence of non-response and
measurement error
Boumahdi M., Ouassou I., Rachdi M., Conditional density function for surrogate scalar response
Öztaş Ayhan H., Models for survey nonresponse and bias adjustment techniques
Bialek J., Quality adjusted GEKS-type indices for price comparisons based on scanner data
Olalude G. A., Yaya O. S., Olayinka H. A., Jimoh T. A., Adebisi A. A., Adesina O. A., Household expenditure
in Africa: evidence of mean reversion
Sharma A., Sharma V., Tokas S., Does economic freedom promote financial development? Evidence
from EU countries
Bhattacharjee A., Dey R., Bayesian modelling for semi-competing risks data in the presence of censoring

Other articles

Chugaievskaya S., Dehnel G., Targonskii A., Census administration in Ukraine: insight into the Polish experience
in the context of international indicators analysis
Grzenda W., Estimating the probability of leaving unemployment for older people in Poland using survival
models with censored data

Research Communicates and Letters

Akhtar N., Khan S. A., Amin M., Khan A. A., Ali A., Manzoor S., Bayesian estimation of a geometric
distribution using informative priors based on a Type-I censoring scheme

Conference Announcement

MET2023: International Conference on Methodology of Statistical Research, 3–5 July, Warsaw, Poland

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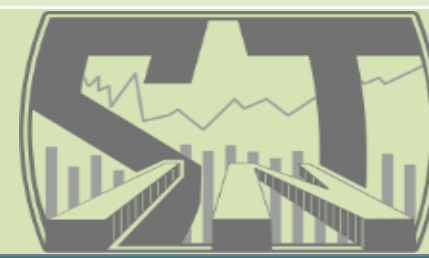
MET2023: International Conference on Methodology of Statistical Research, 3–5 July, Warsaw, Poland

30th Anniversary of the Statistics in Transition

30th Anniversary
**STATISTICS IN
TRANSITION**

NEW SERIES

100th Issue



Statistics Poland

STATISTICS IN TRANSITION *new series*: the flagship international journal
of the Polish Statistical Association and Statistics Poland

GRAHAM KALTON:
Probability

vs.

***Nonprobability Sampling:
From the birth of survey
sampling to the present day***

Comments / Discussion

- Danny Pfeffermann
- Julie Gershunskaya
- Partha Lahiri
- Ralf Münnich
- Risto Lehtonen

Aa: Jacek Wesółowski

I congratulate Statistics in Transition on celebrating its 30th anniversary. It plays a distinct and important role among statistics journals. With the major changes in official statistics and in social research methodology taking place, the journal has a bright future for the contributions it can make.

GRAHAM KALTON

I conclude my discussion by congratulating Statistics in Transition for its 30th anniversary and the publication of its 100th issue. This is one of the best journals of its kind and I wish it to continue prospering in the coming years.

DANNY PFEFFERMANN

100th issue:

Graham Kalton's *Invited Paper:* *Contents*

1. Introduction: *challenges to the Neyman paradigm - towards greater use of nonprobability sampling – new data and computational methods*
2. Kier's Representative Method of Statistical Surveys (1897)
3. Neyman's Seminal Paper (1934)
4. Quota Sampling
5. Pseudo-Probability Sample Designs for *Hard to Survey Populations*
6. Internet Surveys
7. Model-Dependent Inference
8. Analytic Uses of Survey Data
9. Administrative Records and Big Data
10. Concluding Remarks → *Forward Look*