

# Official Statistics that leave no one behind, Opportunity for Africa



the role of the

**Journal of the International  
Association for Official Statistics  
(SJIAOS)**

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Editor in Chief  
Statistical Journal of the IAOS

# Statistical Journal of the IAOS

- The main global Journal in domain of official statistics
- Four issues per Volume. 2020, 130 manuscripts, 270 authors
- Website with discussion platform, interviews and information about events and on-line and early access to the published articles

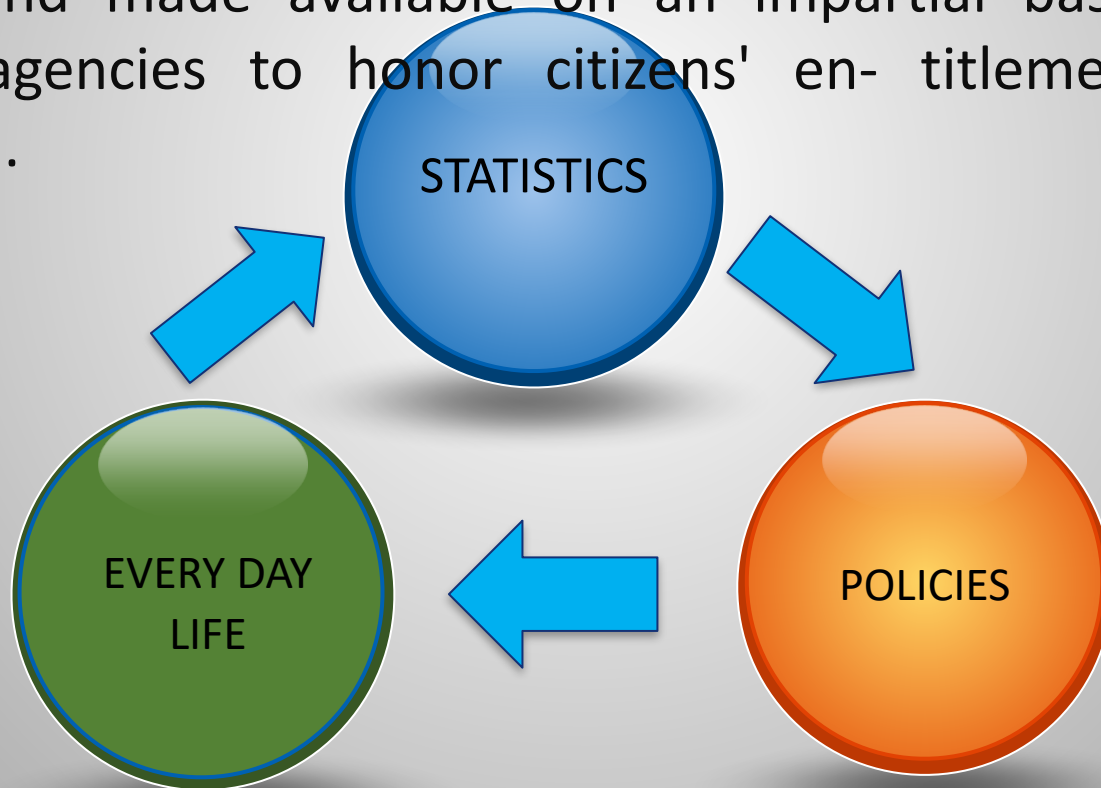
## Mission

The Journal supports the mission of IAOS by publishing articles, launch discussions and share information 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.

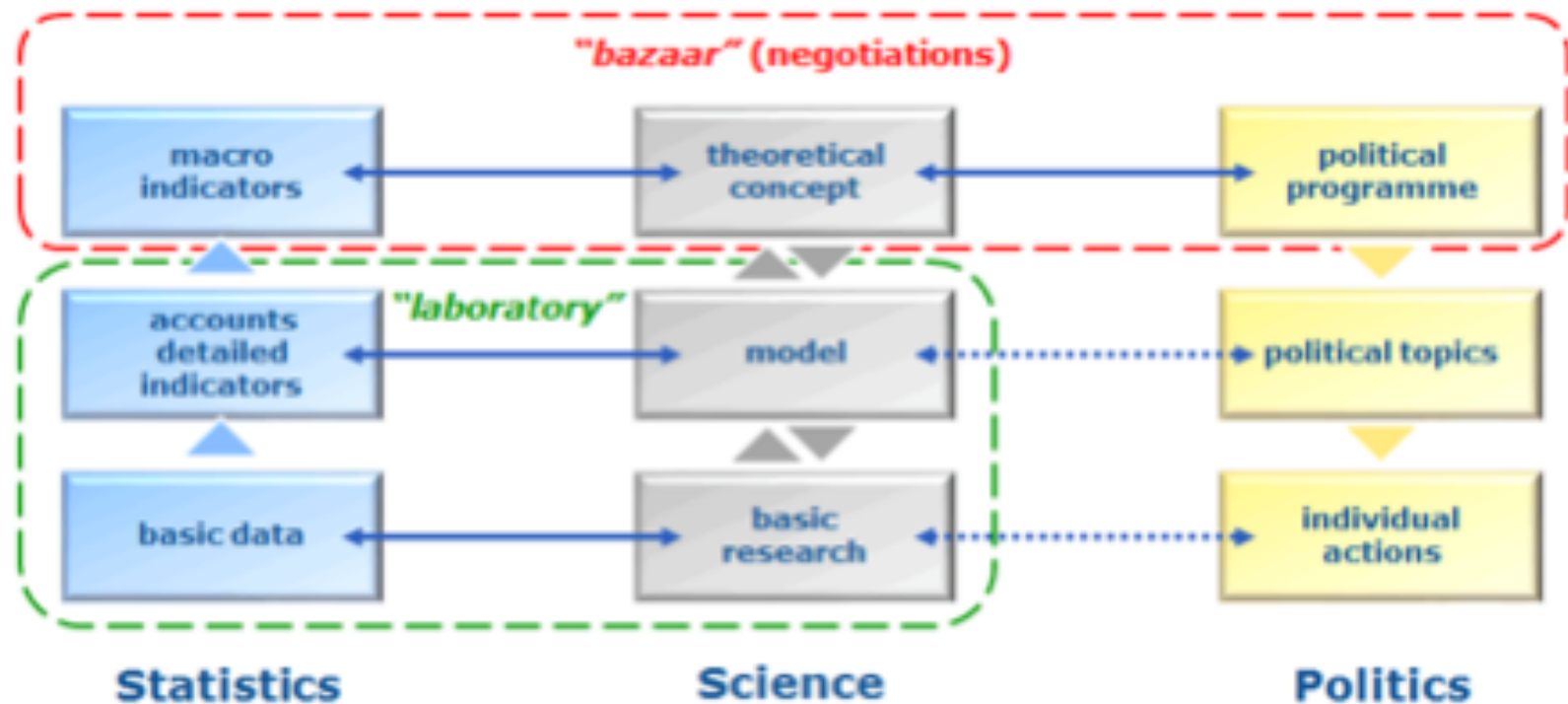
# What makes statistics official?

Official statistics result from the *collection and processing of data* into statistical information by a government institution or international organisation, following and in line with the principles of the UN Fundamental Principles of Official Statistics (UNFOPS, 2016)

Official statistics provide an indispensable element in the information system of a democratic society, serving the Government, the economy and the public with data about the economic, demographic, social and environmental situation. To this end, official statistics that meet the test of practical utility are to be compiled and made available on an impartial basis by official statistical agencies to honor citizens' entitlement to public information.



# Work system of Statistics, Science and Politics



# What is the Role of official statistics today? In operational terms :

- Selection of data sources with regard to quality, costs and the burden on respondents
- Decision on methodology based on professional considerations including scientific principles and professional ethics
- Commitment to confidentiality
- Exclusive use for statistical purposes
- Presentation of information according to scientific standards on the sources, methods and procedures of the statistics

[Fundamental Principles of Official Statistics; Principles 2,3,5,6]

# Main current challenges for official statistics

(national and international)

## **Poverty**

Poverty is defined relative to the standards of living in a society at a specific time. People live in poverty when they are denied an income sufficient for their material needs and when these circumstances exclude them from taking part in activities which are an accepted part of daily life in that society

## **Globalization**

the process by which businesses or other organizations develop international influence or start operating on an international scale

## **Digitalisation**

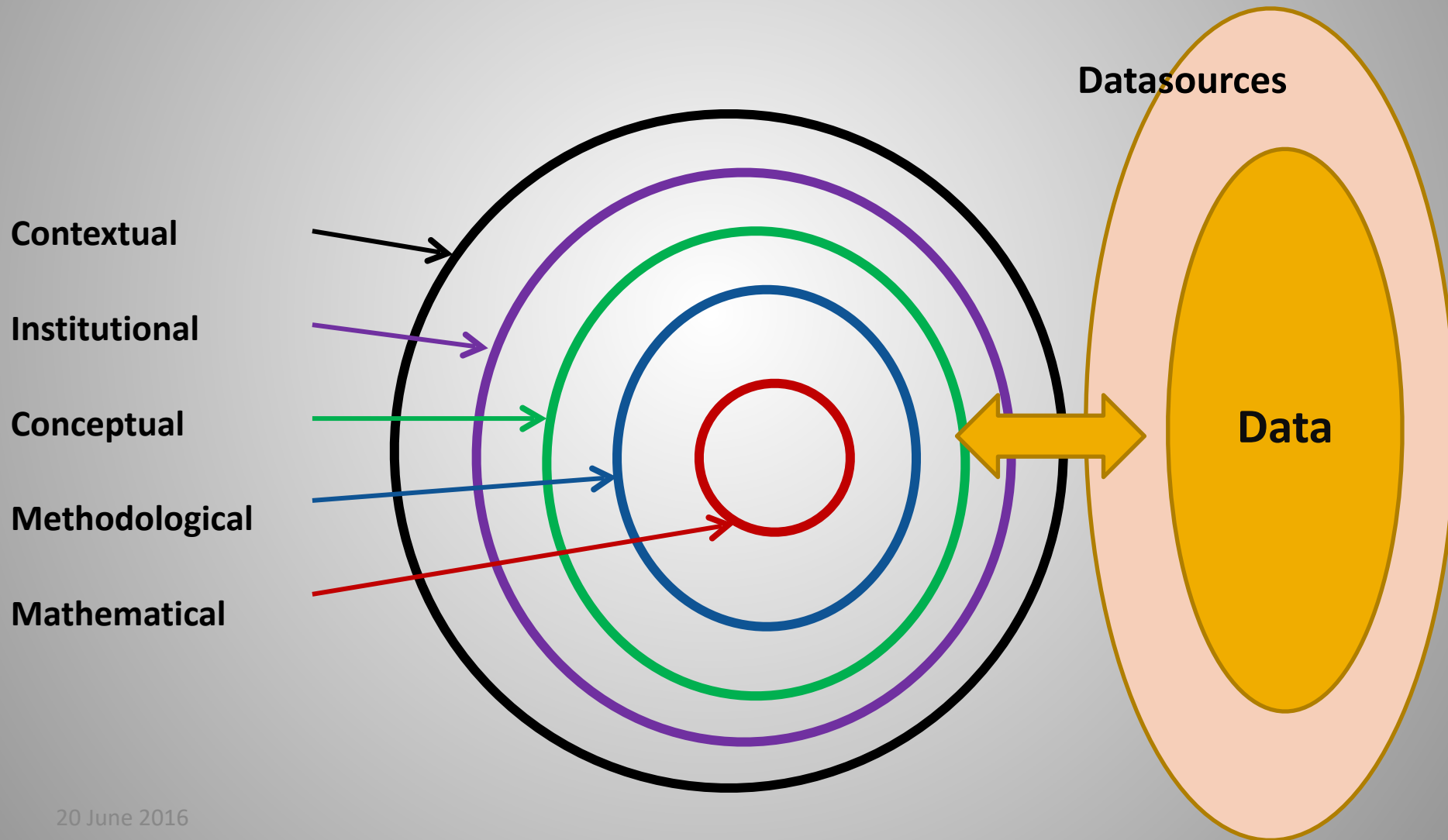
the use of digital technologies to change a business model and provide new revenue and value-producing opportunities.

## **Climate Change**

a long-term change in the average weather patterns that have come to define Earth's local, regional and global climates.

## **New: Covid-19 Pandemic**

# Main elements of official statistics





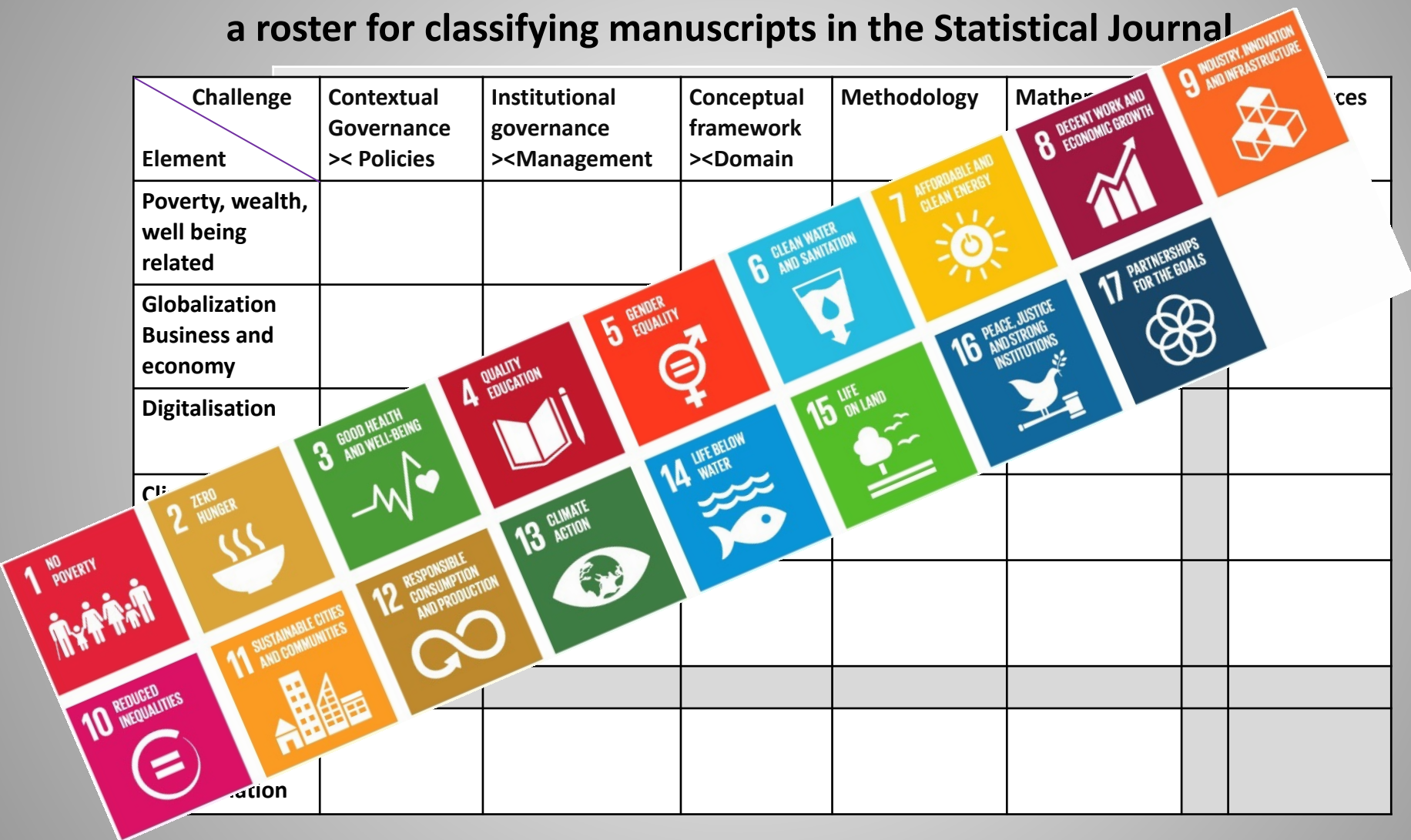
# Global challenges and dimensions of Official Statistics: a roster for classifying manuscripts in the Statistical Journal

Challenge Element	Contextual Governance >< Policies	Institutional governance ><Management	Conceptual framework ><Domain	Methodology	Mathematics		Data sources
Poverty, wealth, well being related							
Globalization Business and economy							
Digitalisation							
Climate Change							
Covid-19 Pandemic							
Training and literacy Dissemination							

# Global challenges and dimensions of Official Statistics:

## a roster for classifying manuscripts in the Statistical Journal

Challenge Element	Contextual Governance >< Policies	Institutional governance ><Management	Conceptual framework ><Domain	Methodology	Mathematics	Statistics
Poverty, wealth, well being related						
Globalization Business and economy						
Digitalisation						
Climate change						
Urbanisation						
Population						



# What kind of opportunities for Africa are offered via IAOS and the Statistical Journal?

Being part of the community of Official statisticians

Profit from a community promoting and defending the profession

Sharing experiences and knowledge, be at the forefront of new developments

## The role of the Statistical Journal and the Journals website

Means to exchange experiences

Repository of knowledge

Stay up-to-date on recent developments

Actively participate in discussions on current topics

Be informed about the network of official statisticians

# ***SJIAOS: Main strategic orientations 2019-2021***

## ***Expanding the audience, contributors and exposure***

- A closer relationship with the governance of the National Statistical Systems and by incorporating more actively representatives of this audience in discussions and manuscripts.
- Moving to a more active engagement of the emphasis editors.
- Expand the number and origin of contributors from the currently non-core regions.
- Making the Journal a 'must' for a new group of readers by promoting the active use of the Journal (via some key articles, or specials) as training and reference material for those working or wishing to work in a brand of official statistics.
- Further its exposure and brand character.

## SJIAOS, Volume 35 and 36, Author's country of origin

2019	Vol 35		Vol 36	2020
Number of authors	% of total	Author's country of origin	% of total	Number of authors
57	44	Europe	43	117
55	42	North America, Australia, New Zealand	19	57
8	6	Latin America	5	13
1	1	Africa	13	36
9	7	Far and Middle East	8	24
0	0	South East Asia	11	30
130	100	Total	100	267

SJIAOS, Vol 36 Supplement, Official Statistics in Africa (forthcoming)	Provisional Content page 1
Securing the future of statistics in Africa through National Strategies for the Development of Statistics	Uganda
Governance, peace, and security perception index: methodological aspects and application in the WAEMU member states	Mali
Extra Issue on Official Statistics in Africa: Bridging the Gap between Official Statistics and Theoretical Statistics	Tanzania
Data Science Skills: Building Partnership for Efficient School Curriculum Delivery in Africa	Nigeria
Linking statistical literacy and data stewardship in public universities of Niger: Lessons learned from the collaboration with the national statistics institute	Niger
Factors affecting students' achievement in Mathematics in secondary schools in developing countries". A systematic review	Uganda
Criticality of data in achieving birth registration target for SDG 16.9	Namibia
A geographically weighted regression approach to examine the dynamics of fertility differentials across Africa	Nigeria
Adaptive cluster sampling with model based approach for estimating total number of hidden Covid-19 carrier's in Nigeria	Nigeria

	Provisional Content Page 2
Leveraging On Big Data and Advanced Technologies for Enhanced Revenue Mobilization	Kenya
Exploring the use of Earth Observation and data science for agricultural statistics to complement the census data: case study for Namibia Statistics Agency	Namibia
Achieving good health and well-being in Africa by 2030 using multi-state models, survival analysis, statistical methods for evidence-based medicine, diagnosis and determination of risk factors	Malawi
Using Cartoon Videos to Survey Children and Adolescents in the Global South: A Tanzanian Example	(Minnesota)
A monthly spatio-temporal modelling of patterns for children on maintenance grant in Namibia.	Namibia
Model-based estimation of small area food insecurity measures in Ethiopia using the Fay-Herriot EBLUP estimator	South Africa
An improved Strata boundaries determination method in stratified sampling	Nigeria
Food balance sheets provide information on food security, indicators of the prevalence of undernourishment and losses in the cases of Benin, Guinea and Mali	Mali



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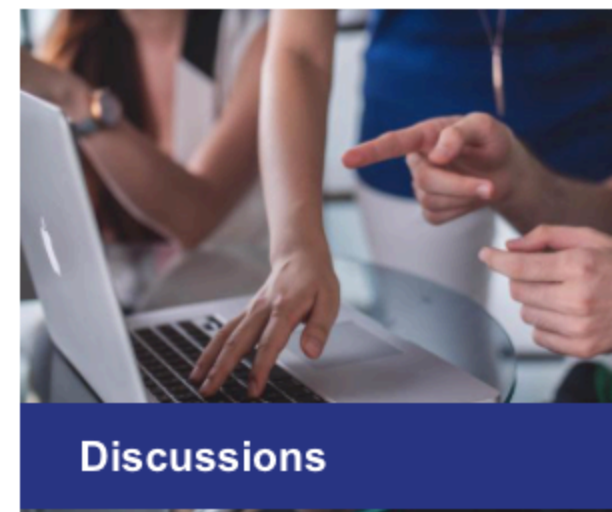
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# Invitation

- You are invited to share your research and best practices in the field of official statistics and your opinions on current topics in official statistics.
- Submit a manuscript to be considered for publication.
- Go to <https://www.iospress.nl/journal/statistical-journal-of-the-iaos/> or contact us directly.
- Visit the Journal's website [www.officialstatistics.com](http://www.officialstatistics.com)
- Actively participate in its discussion platform

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Press



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IAOS

# HOW MANY TIMES A DAY ARE YOU HANDING OVER YOUR INFORMATION?

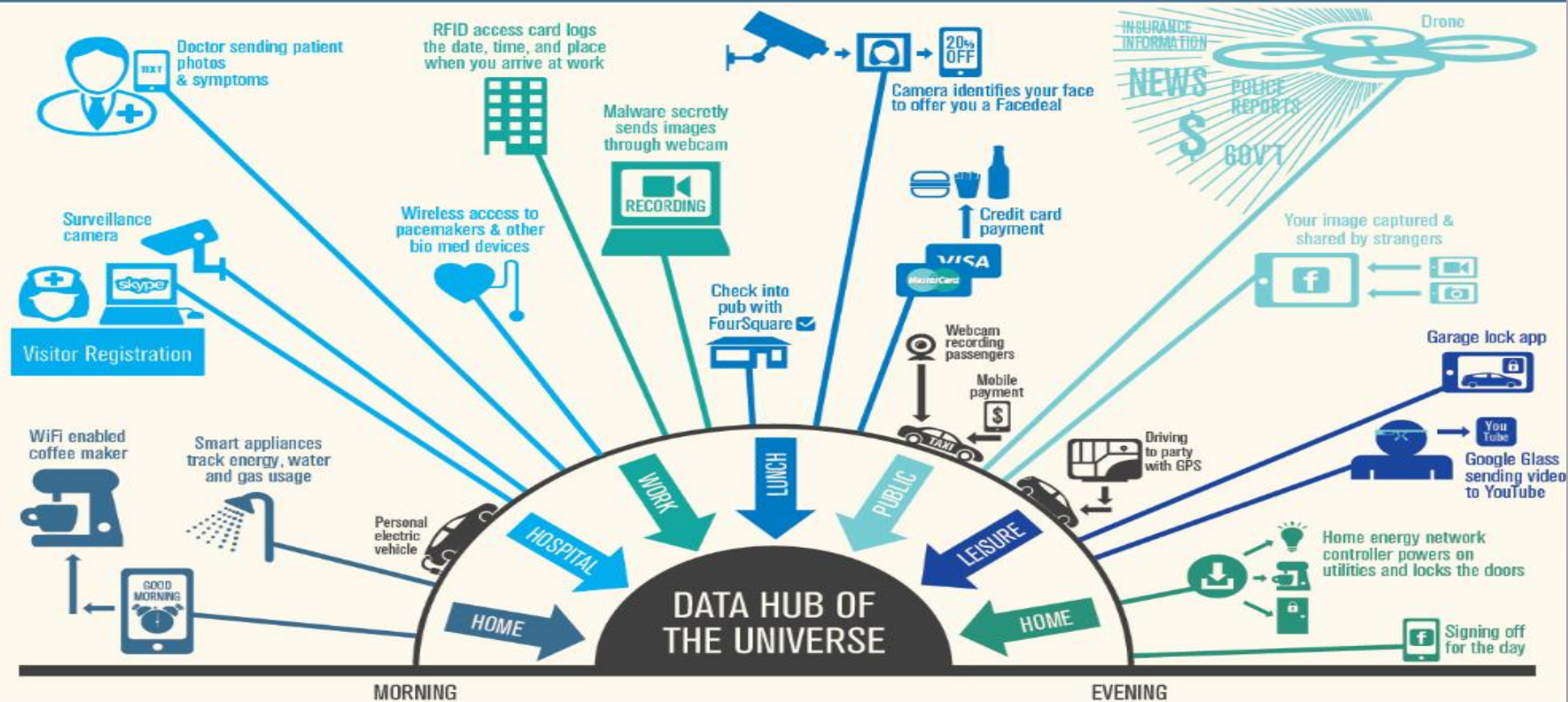
From the moment we wake – and turn on that WiFi-enabled “smart” coffeemaker – to the time we make our final Facebook sign off for a long, restful sleep, we are leaving a digital trail. Most of us have no idea how the data about our daily habits, our purchases – even our routes to work – is being collected or how it’s being shared.

The infographic below outlines just a few of the hundreds of ways we voluntarily open our everyday lives to intelligence-gathering marketers, companies, government agencies, data bureaus and unknown others, simply by using our vast and growing array of technologies.



## THE TAKE-AWAY?

Understand how much data you are sharing simply through every day use of gadgets and apps. Be aware of how that data may be revealing some pretty intimate details about you. If taken out of context, it may result in damaging assumptions. What can you do to lessen the data trail you leave behind every day?





# 17 goals, 169 targets ...

