



INTERNATIONAL ASSOCIATION FOR OFFICIAL STATISTICS

Improving Official Statistics

Young Statistician Prize

Gemma Van Halderen

IAOS Executive Committee

Young Statistician Prize Focal Point





INTERNATIONAL ASSOCIATION FOR OFFICIAL STATISTICS

Improving Official Statistics



- Young Statistician Prize
 - An **international prize** encouraging young statisticians to take an active interest in official statistics
- Prizes awarded for the best **papers** in the field of official statistics **written by** young statistician (s).



INTERNATIONAL ASSOCIATION FOR OFFICIAL STATISTICS

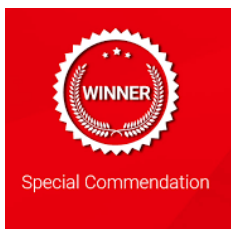
Improving Official Statistics



Attendance at international conference (registration, travel, accommodation), cash (1,500 Euro), 2 year membership to the IAOS, interview in Statistical Journal of Official Statistics, paper in Statistical Journal of IAOS, certificate



Cash (1000/500 Euro), interview in Statistical Journal of Official Statistics, paper in Statistical Journal of IAOS, certificate



Interview in Statistical Journal of Official Statistics, paper in Statistical Journal of IAOS, certificate



INTERNATIONAL ASSOCIATION FOR OFFICIAL STATISTICS

Improving Official Statistics

Submissions should

- address and propose solutions to **pressing methodological or strategic issues** in the area of official statistics at the regional, national or international level,
- be no more than 4,000 words,
- be submitted in English and
- should not have been previously presented in a public forum or published.

A maximum of three co-authors is allowed for each submission and an author can participate in only one submission.



INTERNATIONAL ASSOCIATION FOR OFFICIAL STATISTICS

Improving Official Statistics

An international panel will judge submissions based on **four** criteria:

- Scientific and/or strategic merit (40%)
- Originality (20%)
- Applicability of the ideas in the practice of statistical organizations (20%)
- Quality of the exposition (20%).



60 points = Scientific and/or strategic merit (40) +
Originality (20)

- [Estimating excess mortality in Canada during the COVID-19 pandemic: Statistical methods adapted for rapid response in an evolving crisis](#) (2021)
- [Toward More User-Centric Data Access Solutions: Producing Synthetic Data of High Analytical Value by Data Synthesis](#) (2020)
- [“Detecting geographical differencing problems in the context of spatial data dissemination”](#) (2019)
- [An index-based approach to determine partnership in register-based census](#) (2018)
- [The Dissemination Game: How to communicate official statistics to non-expert users](#) (2017)
- [Balancing Input-Output tables with Bayesian Slave-raiding ants](#) (2016)
- [Big Data and Semantic Technology: A Future for Data Integration, Exploration and Visualisation](#) (2015)
- [Linking, selecting cut-offs, and examining quality in the Integrated Data Infrastructure \(IDI\)](#) (2014)



INTERNATIONAL ASSOCIATION FOR OFFICIAL STATISTICS

Improving Official Statistics

What often lets **submissions** down

- Applicability of the ideas in the practice of statistical organizations (20 points)
- Quality of the exposition (20 points)

PRACTICAL APPLICATIONS

INTERNATIONAL ASSOCIATION FOR OFFICIAL STATISTICS

Improving Official Statistics

Include a section in your submission on whether your idea

- has been applied
- has been tested
- If not, how would you recommend it be tested and/or applied
- An example, even a hypothetical example, is better than none





INTERNATIONAL ASSOCIATION FOR OFFICIAL STATISTICS

Improving Official Statistics

Well structured

- e.g. introduction, what is the problem you're trying to solve, how did you solve it, how did it work in practice, conclusion, lessons learnt, what do next)

Logical and focused

- focus on your idea and explaining what it is and why important

Check spelling and grammar –

- Judges need to read it first then understand it. If it can't be read, it can't be understood





INTERNATIONAL ASSOCIATION FOR OFFICIAL STATISTICS

Improving Official Statistics

First prize



Canada

[Toward More User-Centric Data Access Solutions: Producing Synthetic Data of High Analytical Value by Data Synthesis](#)

Second prize



Austria

[The R-Package surveysd: Estimating standard errors for Complex Surveys with a Rotating Panel Design](#)



Third prize



Australia

[Big Data, Differential Privacy and National Statistical Organisations](#)

Commendation



The Gambia

[Household Consumption Allocation and the Collective Household Model: Children Share of Household Resources in The Gambia](#)



INTERNATIONAL ASSOCIATION FOR OFFICIAL STATISTICS

Improving Official Statistics

What do you need to do?

- Get involved
- Take the initiative
- Learning from this workshop
- Find a mentor
- Get help, if needed, with English but most of all, get help with structure and logic, and make sure you've included a practical application (even if its hypothetical)



INTERNATIONAL ASSOCIATION FOR OFFICIAL STATISTICS

Improving Official Statistics

- The 2020 prize winner, Ms. Kenza Sallier, shared her tips on preparing a winning submission
- Watch her presentation at <https://vimeo.com/433593258/b3bf3eb00e>
- Recommended viewing.

A screenshot of a video player showing a presentation slide. The slide features a line graph with a red area underneath and a blue line with circular markers, set against a background of a white maple leaf. The text on the slide reads: "2020 International Association for Official Statistics Young Statistician Prize". Below this, it says "Kenza Sallier and Claude Girard, Senior methodologists Statistics Canada" and "Presented virtually to the Office for National Statistics June 26, 2020". At the bottom of the slide, there are logos for Statistics Canada and the Office for National Statistics, along with the tagline "Delivering insight through data for a better Canada". The video player interface includes a play button, a progress bar at 56:42, and a Vimeo logo in the bottom right corner. On the right side of the video player, there is a small inset video of a woman, identified as Kenza Sallier, with her eyes closed.



INTERNATIONAL ASSOCIATION FOR OFFICIAL STATISTICS

Improving Official Statistics



Papers must be submitted before 11:59 pm (UTC) on 11 February 2022



INTERNATIONAL ASSOCIATION FOR OFFICIAL STATISTICS

Improving Official Statistics

THANK YOU!

thank you