

**Young  
Statistician  
Prize**

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**IAOS**

The logo for the International Association of Official Statisticians (IAOS) features the acronym 'IAOS' in a bold, blue, sans-serif font. Above the letters is a stylized grey line representing a roofline with three peaks, one above each letter.

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# AWARDED FOR PAPERS OF STRATEGIC IMPORTANCE

In 2022 and 2023, issues chosen by young statisticians included

- Predicting quality and evaluating the use of administrative data
  - Classifying respondents to the Census of Population and Housing
  - Machine Learning Algorithms
  - Deep Learning Techniques
  - Statistical Data Integration
  - Integrating big and survey data
  - Small area estimation methodologies
  - Modelling self-identification
  - Imputation
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# CONGRATULATIONS 2022 WINNERS



*Dr. Erin Lundy*



*Mr. Juan Carlos Galvez Sainz  
de Cueto*



*Mr. Jorge Fernandez  
Calatrava*



*Mr. Lasai Barrenada Taleb*



*Dr. Andreea Luisa Erciulescu*

1. **Dr. Erin Lundy** (Statistics Canada):

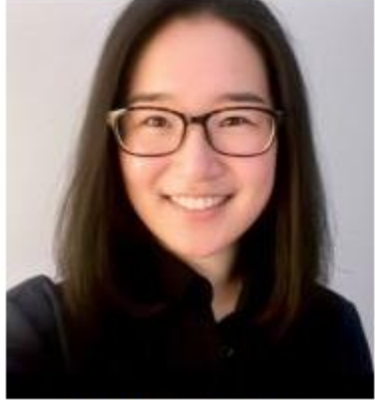
*Predicting the quality and evaluating the use of administrative data for the 2021 Canadian Census of Population*

2. **Mr. Juan Carlos Galvez Sainz de Cueto, Mr. Jorge Fernandez Calatrava and Mr. Lasai Barrenada Taleb** (Statistics Spain):

*Timeliness reduction on industrial turnover index based on machine learning algorithms*

3. **Dr. Andreea Luisa Erciulescu** (Westat, USA):

*Statistical data integration models to reconcile health official statistics*



*Ms. Joanne Yoon*



*Mr. Nelson Chua*



*Mr. Benjamin Long*



*Mr. Ryan Covey*



*Dr. Alba Cervantes Loreto*

**Joint First Place winners:**

**Ms. Joanne Yoon** (Statistics Canada):

*Classifying Respondent Comments from the 2021 Canadian Census of Population using Machine Learning Methods*

**Mr. Nelson Chua** and **Mr. Benjamin Long** (Australian Bureau of Statistics):

*It's time to build a small area estimation methodology for time-to-event data*

**Second Place:**

**Mr. Ryan Covey** (Australian Bureau of Statistics):

*Integrating Big Data and Survey Data for Efficient Estimation of the Median*

**Third Place:**

**Dr. Alba Cervantes Loreto** (Statistics New Zealand):

*Modelling self-identification of Māori businesses in Aotearoa New Zealand*

**CONGRATULATIONS  
2023 WINNERS**

**Joint First Place Winners –  
first time in Prize's history**



# FOSTERING DEVELOPING NATIONS

## SPECIAL COMMENDATION WINNERS



*Mr. Benjamin C.H. Chan, Mr. Ian Y.C. Ng and Ms. Natalie K.P. Chung*

2023



*Ms. Atika Nashirah Hasyati*

2022

**Ms. Atika Nashirah Hasyati** (Badan Pusat Statistik – Statistics Indonesia):  
*Imputation for subsampling in Indonesian National Socioeconomic Survey*

**Mr. Benjamin C.H. Chan, Mr. Ian Y.C. Ng and Ms. Natalie K.P. Chung** (Census and Statistics Department, Hong Kong, China):

*Anomaly Detection in Trade Declarations using Deep Learning Techniques: A Risk-assessment Approach to Identify Misclassification and Incorrect Valuation*

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# THANK YOU



- We congratulate all winners, past and present, and thank all authors for participating in the IAOS Young Statistician Prize.
  - The Prize would not be such a success without the commitment of supervisors and institutions to nurturing young official statisticians.
  - The Prize is also extremely grateful to the international judging panel who freely give their time and commitment.
  - Together, the IAOS and the global statistical community are fostering talent, especially in developing nations, for our future success
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# WE NEED YOUR HELP

- Submission numbers are low
  - Please reach out to your networks and promote the IAOS Young Statistician Prize
  - Be a mentor, a coach, a champion
  - The IAOS needs you
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