

ISI WSC 2021: INVITED PAPER SESSIONS (IPS) OVERVIEW

Title	Organizer
International Statistical Review Session	Prof. Scott Holan
Food security in Africa: Measurement approaches and recent trend	Mr. Said Saghir Zarouali
Joint models for complex data: an update on computational issues, solutions, and applications	Prof. Hongbin Zhang
Methodological advancements in nowcasting development indicators	Ms. Anu Peltola
Pioneering Methods in Toxicological Risk Assessment	Dr. Susan Simmons
Recent Advancements in Analysis of Large Social/Biological Networks	Prof. Tracy Ke
The statistics of extremes	Dr. Anne Sabourin
Inference under non-probability samples and big data: Data integration	Dr. Isabel Molina
Betty, Mario, Pilar, Danie and Esther: some important statisticians	Prof. Peter Guttorp
ASMBI session	Dr. Fabrizio Ruggeri
Ethel Newbold Award Lecture	Prof. Claudia Klöppelberg
New statistical methods and theories for non-Euclidean and high-dimensional data analysis	Prof. Ming-Yen Cheng
Advances in Sports Statistics (1 of 2)	Prof. Marica Manisera
SDMX 3.0: a new chapter in the global exchange of statistical data	Mr. Luca Gramaglia
Digital Data: what innovations in quality management are needed to keep the momentum to 2030?	Mr. Matthew Shearing
Impact, lessons learnt and opportunities for civil registration and vital statistics systems in the wake of the COVID 19 Pandemic	Ms. Gloria Mathenge
Improving the communication skills of statisticians; what we have learnt in the pandemic.	Prof. Denise Lievesley
IASS Presidential Invited and Cochran Hansen Prize	Dr. Denise Britz do Nascimento Silva
Official Statistics in the Changing World of Data Science	Prof. John Bailer
Statistical literacy, visualization and communication	Mr. Bruno Tissot
Labeling Issues in Machine Learning Methodology	Dr. Yves Grize
New Data Sources Meet Household Surveys: Scaling-up Innovation for Official Statistics	Ms. Haoyi Chen
Screening important variables in sparse setups while considering interactions	Dr. Rakhi Singh
Statistical modeling for stochastic ordinary and partial differential equations	Dr. Kengo Kamatani
Methodological responses to the COVID-19 pandemic by National Statistical Institutes	Dr. Anders Holmberg
Gosset Lecture	Dr. Fabrizio Ruggeri
Corner Pillars of Probability Education - Part I	Prof. Manfred Borovcnik
Hypothesis testing with e-values	Prof. Johanna Ziegel
Data integration techniques in household surveys	Dr. Nino Mushkudiani
Impact of the COVID 19 Pandemic on Data Collection in the Production of Agricultural Statistics	Dr. Linda Young
Population Size Estimation	Mr. Daan Zult
Recent Advances in Event History Analysis	Prof. (tony) Jianguo Sun
Measuring the Sustainable Development Goals in cities, towns, and rural areas	Ms. Teodora Brandmuller
Stein's method for Machine Learning	Prof. Gesine Reinert
Privacy Preserving Computation Techniques in Official Statistics	Mr. Matjaz Jug
Telling Truth with Scientific Data	Prof. Elena Naumova
STAT Highlight: Recent statistical research and development on COVID-19	Dr. Hao Zhang
ISI Jan Tinbergen Awards Session	Ms. Ada van Krimpen
Data Science and ISI	Prof. Daniel Jeske
y-BIS Session: Advances in Statistical Learning Applications	Dr. Luca Frigau
Latent Variable Models for small big data	Dr. Rosaria Romano
COVID-19 among Indigenous peoples in three countries	Ms. Michele Connolly
Counting People with Administrative Data instead of a Traditional Census	Dr. James Chipperfield
Model-based estimation of binary and count survey data at granular levels	Dr. Andreea Erculescu
Spatio-temporal models for infectious diseases	Prof. Alexandra Schmidt
Seasonal adjustment of official statistics disrupted by COVID-19 effects	Mr. Julian Whiting
Advances in extreme value statistics	Dr. Riccardo Passeggeri
Markov chains in data science: theory and applications	Dr. Quan Zhou
New developments in delivering training on Official Statistics	Dr. Steve Macfeely
Recent Advances in Functional Anomaly Detection	Prof. Klaus Nordhausen
How can we help ensure that official statistics training needs are met?	Ms. Vibeke Nielsen
Analysis of temporal networks	Prof. Gesine Reinert
Advances and Applications in Mixture Modeling	Prof. Daniel Jeske
BS Journal Special Invited Paper Session	Prof. Mark Podolski
Taking statistics to school: How to nurture the development of young students' statistical reasoning	Prof. David Ben-Zvi
ISI Founders of Statistics Prize Winner Presentation	Ms. Ada van Krimpen
ISI Mahalanobis International Award Winner Presentation	Ms. Ada van Krimpen
Finding Your People in Academia: Successful Networking for Collaboration and Friendship	Dr. Julia Sharp
Bernoulli Society New Researcher Award Session 2021	Prof. Sebastian Engelke
Effectiveness of the outreach of official statistics standards and guidelines, methodologies and recommendations to developing statistical systems.	Dr. Pieter Everaers
Unintended Consequences of COVID-policy on Health and the Environment	Dr. Ayesha Ali
Validating the Independence and Integrity of Statistics around the World (Panel Session)	Dr. Walter J. Radermacher
Measuring SDG Progress	Mr. Pietro Gennari
Statistical Engineering for a Better World	Dr. Marit Schoonhoven
Recent Trends, Advances and Applications of Statistical Process Monitoring	Dr. Athanasios Rakitzis
SDGs indicators: methods to analyze survey data to monitor/measure vulnerabilities	Prof. Monica Pratesi
Trusted Smart Surveys	Ms. Shari Stehrenberg
From experimentation to implementation in official statistics	Ms Kate Burnett-isaacs
Infectious disease population estimation	Mr. Daan Zult
The Use of Big Data to Predict Economic Activity During Covid-19 Pandemic	Dr. Titi Kanti Lestari

Recent Developments on High-Dimensional Statistics and Applications to OMICS Data	Dr. Debmalya Nandy
Teaching Statistics for Empowerment and Social Engagement	Prof. Joachim Engel
On the visualisation of digital socio-economic data	Prof. Eric Beh
Bernoulli Presidential Invited Lecture	Prof. Claudia Klöppelberg
How survey experts can contribute to the better use of citizen-generated data for public policy?	Ms. Yongyi Min
International Prize in Statistics Lecture	Ms. Ada van Krimpen
Data Science and Statistics	Prof. Elisabetta Carfagna
Trust in public institutions and trust in statistics	Ms. Dayana Perez
Building statistical registers in countries with no administrative population registers	Mr. Jean-michel Durr
Nonparametric Statistical Learning of Complex Data	Prof. Lily Wang
Time series forecasting: Computational challenges and application to electricity load forecasting	Dr. Paulo Rodrigues
Strategies for Effectively Communicating Public Policy Statistics	Prof. John Bailer
Modern Statistical Techniques for Reliability Analysis.	Prof. Asha Gopalakrishnan
Recent developments in stochastic calculus and theoretical statistics	Prof. Hiroki Masuda
Young Women in Statistics Prize Winners: Where are they now?	Ms. Gemma Van Halderen
Women in survey sampling research and practice	Prof. Alina Matei
Session of the IASE Journal – Statistics Education Research Journal (SERJ)	Prof. Jennifer Kaplan
ISI President's Invited Lecture	Prof. John Bailer
Past, Present and Future of Women in Statistics and Data Science	Prof. Guadalupe Gómez Melis
Theoretical developments in recent computational methodologies for Bayesian inference	Prof. Nakahiro Yoshida
New developments in central bank statistics around the world	Mr. Bruno Tissot
Innovative Modeling Approaches in the Production of Official Statistics in Agriculture	Ms. Barbara Rater
Remote access facilities for NSI microdata: safety, operations and impact	Dr. Annette Scherpenzeel
Journal of Data Science, Statistics, and Visualisation session	Prof. Stefan Van Aelst
An integrated statistical framework for measuring sustainability: the case of tourism	Ms. Clara van der Pol
Causal Inference and Applications	Prof. Jonas Peters
Extremes for Stochastic Processes	Prof. Stilian Stoev
Recent Advances for Estimation and Imputation in Complex Surveys	Prof. Scott Holan
Modelling Population Nutrition Outcomes with Historical Survey Data in South Sudan	Mr. Saeed Rahman
Lessons learned for macroeconomic statistics from the Covid-19 pandemic	Mr. John Verrinder
Statistical inference for biological processes, reaction networks and epidemics	Prof. Enrico Bibbona
Issues in Modern Transportation Statistics	Prof. David Banks
Modernizing the Introductory Statistics Course	Dr. Jack Miller
Cross-Cultural Leadership in Statistics and Data Science for a Better World	Dr. Amanda Golbeck
Measuring the Performance of National Statistical Systems	Prof. John Bailer
Insights and Observations from Leaders of Statistical Societies	Prof. John Bailer
Alternative methods for SDG data disaggregation	Mr. Pietro Gennari
Women's Roles in the new, post-pandemic world	Dr. Jessica Kohlschmidt
Comics, Games, and Comedy: Making Statistics Engaging to the Public	Prof. John Bailer
How to fund official statistics production to support statistical principles and ethics	Dr. Andreas Georgiou
Recent Advancements in Causal Analysis with Application in Policy Decisions	Dr. Prajmitra Bhuyan
New Advances in Time Series Analysis	Dr. Yao Zheng
Quality Control in Industry and Public Health	Dr. Emmanuel Yashchin
Creating a better world using composite indicators	Dr. Milica Maric
Enhancing growth and productivity indicators based on European national accounts.	Ms. Nadia Di Veroli
Formal privacy methods in NSO: Challenges and Solutions	Dr. Lars Vilhuber
Assessing the socio-economic impact of Covid19 Pandemic	Prof. Paola Cerchiello
The Evolution of the 21st Century Census of Population and Housing	Dr. James Chipperfield
Graphical causal models	Prof. Mathias Drton
y-BIS: Statistical Analysis of Complex Data	Dr. Nathaniel Stevens
Advancements in Capture-Recapture Methods with Application in Social sciences and Humanitarian Crisis	Dr. Prajmitra Bhuyan
Statistical and Data Literacy in Policy Making	Prof. Gaby Umbach
Extreme Value Statistics	Dr. Kirstin Strokorb
Issues with big amounts of data for survey statistics	Dr. Danute Krapavickaite
Some Fun Applications of Text Analysis	Prof. Jurgen Symanzik
IAOS and IBS Early Career Award Presentations	Ms. Ada van Krimpen
Exploratory Study of Delivery and Learning Outcomes in Some African Countries during the Pandemic	Dr. Oluwayemisi Alaba
Improving Statistics on Forcibly Displaced Through New Frameworks and Innovative Capacity Development Approaches	Mr. Ferenc Urban
Advances in SEEA Ecosystem Accounting? Making nature count!	Mr. Peter Van De Ven
Data Science in Estimating Informal Sector and Gig Workers	Ms. Yong Joo Chiet
The spatial and spatio-temporal statistics of Covid-19 organised by the journal Spatial Statistics	Prof. Sujit Sahu
Implementing Big Data Analysis toward Data Driven Policy Making Process on Sustainable Tourism: Experiences from Indonesia and the Netherlands	Dr. Titi Kanti Lestari
Live Cumulative Meta-Analysis for a Better World	Dr. Alexander Ly
Corner Pillars of Probability Education - Part II	Prof. Manfred Borovcnik
Towards 2030 Agenda: The Use of Mobile Data to Measure SDGs Indicators on Information Society	Dr. Titi Kanti Lestari
Stochastic Processes and their Applications in Evolutionary Biology. New Trends	Prof. Elena Yarovaya
Copulas for incomplete survival data	Dr. Jacobo De Uña- Ivarez
Computationally Efficient Statistical Methods for Inference on Data with Complex Structures	Prof. Wen Zhou
Statistical inferential frameworks for environmental process models	Prof. Grace Chiu
Recent Developments on Spatial and Temporal Data Analysis	Dr. Zhenhua Lin
Statistical methods for assessing the effectiveness of e-learning during the COVID-19 era	Dr. Cristina Mollica
Accelerating availability of SDG data	Ms. Vibeke Nielsen

Peer reviews of statistical systems ? how do they benefit development and innovation?	Ms. Claudia Junker
International Comparison Program (ICP) results and the COVID-19 impact on the world economy	Ms. Nada Hamadeh
Fintech Statistics	Ms. Claudia Huber
Innovation on Energy Statistics and beyond to meet environmental targets and create a carbon neutral economy	Ms. Madeleine Mahovsky
Approaches to handle various types of spatially dependent data.	Dr. Chae Young Lim
Building and maintaining partnerships between academia and official statistics - some of our best practices	Dr. Jacobiene Van Der Hoeven
Web data for official statistics: the ESS web intelligence hub	Mr. Albrecht Wirthmann
Models of biochemical reaction networks	Dr. Daniele Cappelletti
Implications of the Digital Economy for Official Statistics	Mr. Bruno Tissot
Sharing the lessons on building statistical capacity in Africa through mentorship	Prof. Lehana Thabane
Panel Session Title: Data Challenges for Missing and Exploited Children: How Can Data Scientists and Practitioners Work Together?	Dr. Nimai Mehta
The Mirror has Two Faces: An Analysis of Asymmetries in Official International Merchandise Trade Statistics	Ms. Wan Siti Zaleha Wan Zakaria
Bayesian Computation with Different Applications	Prof. Ray-bing Chen
Applications of Emerging Statistical Approaches to Medical Imaging Data	Dr. Cheolwoo Park
Strengthening Administrative data: what countries have learned and applied from the administrative data collaborative	Ms. Karen Bett
Communication and dissemination in the ESS in times of Covid-19	Mr. Lukasz Augustyniak
Advances in Sports Statistics (2 of 2)	Prof. Marica Manisera
Survival Analysis	Dr. Sudheesh Kattumannil
Gender, entrepreneurship and trade; integrating data for better insights	Ms. Anu Peltola
Data Science and Healthcare Informatics in the COVID Era for the Developing Countries	Prof. Mohsen Farid
Statistical Councils: Watchdogs or Guardian Angels for Statistical Offices	Prof. Aurel Schubert
Dimension reduction and its applications	Dr. Lixing Zhu
Advances and applications in exploratory methods in vector simulation.	Prof. Luis Montiel
Recent Advances in Statistical Methods for the Analysis of Pathology Images	Dr. Qiwei Li
New Development in Functional Data Learning	Dr. Guannan Wang
New demands to improve national statistical systems	Mr. Misha Belkindas
Corruption: from the weakness of statistics towards a more comprehensive measurement of this phenomenon.	Ms. Dayana Perez
A new survey model to bridge the agricultural data gap	Ms. Sala Patterson
Recent Trends, Advances and Applications of Statistical Process Monitoring in Health	Dr. Athanasios Rakitzis
Statistical Computing: Theory and Applications	Dr. Alba Martinez-ruiz
Statistical Learning Models in Practice	Dr. Babak Zafari
Technology and multimedia in statistical education and collaboration	Dr. Ezra Gayawan
Statistical Literacy Across Disciplines	Dr. Richa Vatsa
Emerging Topics in Data Science	Prof. Bawei Xi
Interplay of geometry and statistics	*
Exploring Statistics on Tourism, Migration, Population and Displacements by Using Mobile Positioning Data	Dr. Karoly Kovacs
Inference on high dimensional covariance matrix	Dr. Johan Lim
Monitoring youngsters and elderly: statistical issues in composite indicators	Prof. Luigi Biggeri
Capturing Informal and Micro Economy in the Era of Digital	Ms. Mazreha Ya'akub
The New World Order and the Challenges of Official Statistics in Nigeria	Dr. Osuolale Peter Popoola
Cooperation issues between NSOs and Central Banks	Mr. Bruno Tissot
Poverty and Inequality: New Challenges and New Statistical Responses	Dr. Irina Eliseeva
Soviet statistics as a historical artefact	Dr. Aexey Ponomarenko
Application driven statistics for stochastic processes with geometric features	*
Changepoint Detection in Multiple Time Series	Prof. Erniel Barrios
Central Banks as producers of official statistics	Mr. Bruno Tissot
	Hsin-Chou
Statistics & Cosmetics	Dr. Philippe Bastien
Integrating Business Survey to support the 2030 Agenda: Experience from Australia and Indonesia	Dr. Titi Kanti Lestari
Indiscriminate Waste Disposal and Management During the Pandemic in Nigeria	Dr. Adedayo Adepoju
Measuring illicit financial flows in official statistics	Ms. Anu Peltola
Identification of important variables in structured big data	Dr. Anang Kurnia
Statistical Modeling of Simulated Gaming Methodology	Siddhant Karmali
Lessons Learned from Transforming Evidence to Action for Capacity Development through the LISA 2020 Network	Dr. Kimberly Love
Meta-analysis Methods with Applications in Health Sciences	Prof. Shahjahan Khan
Statistics for citizen science	Dr. Genevieve Robin
Advanced Nonparametric Curve Estimation	Dr. Hassan Doosti
National ownership to SDG monitoring -Achievements and Challenges	Ms. Vibeke Nielsen
Designing and Implementing MICS surveys in volatile and fragile countries : Lessons learned and required adaptations to the usual approach	Mr. ach Mrabet
Reformed Journal of Data Science in the Era of Data Science	Prof. Jun Yan
Relevance of data integration and advanced analytics in central bank decision-making	Mr. Bruno Tissot
Applying Statistics on the COVID-19 Era: Investigating Infection Rates, the Presidential Election, Investment Strategies, Systematic Cooking, and more	Ms. Saloni Patel
Recent Advances in High-dimensional Time Series Analysis	Dr. S. Yaser Samadi
Economic activities classifications ? review and implementation	Mr. Claude Macchi
COVID-19 and household surveys: what have we learned and what does it mean for the future?	Ms. Haoyi Chen

Integrative analysis of structured data: Recent advances and a broad perspective	Prof. Sungkyu Jung
Census of agriculture and COVID-19: impact and lessons	Dr. Jairo Castano
Addressing globalisation challenges	Mr. Bruno Tissot
Statistics education and practice in developing countries: experiences, challenges, and opportunities	Dr. Kimberly Love
Developing Machine Learning Methods in Experimental Official and Analytical Statistics	Prof. Elena Zarova
Adventures with Amani	Prof. John Bailer