

IASE News September 2022



IASE Executive News written by Sibel Kazak (Vice President of IASE)

For those of us living in the Northern hemisphere, the summer is over and we are ready for the new academic year (2022/23). Perhaps, it has already started or is going to start soon where you are. I want to wish you all a safe and successful academic year. Also, I am very much looking forward to the upcoming ICOTS 11 being held 11-16 September 2022 in Rosario, Argentina. I believe that the participants in-person/online around the world will contribute greatly to the success of ICOTS 11.

I am attaching the newsletter as a pdf document to this email. If the attachment of newsletter is missing, you can find it at <https://iase-web.org/News.php>

IASE history

IASE would like to learn from its history through the reflections of the previous IASE Presidents where possible. When we could not locate or connect with a past president, we reached out to people who can write about the contributions of that specific past president. In this newsletter, we have reflections of Maria Gabrella Ottaviani who was the President of IASE between 1997-1999 (see below).

A/Prof Ayse Aysin Bombaci Bilgin (A²B²)

President of the [International Association for Statistical Education \(IASE\)](#)

Elected Member of the [International Statistical Institute \(ISI\)](#)

[Macquarie University](#), Australia



ICOTS 11 News

ICOTS is around the corner! If you have not registered yet, consider becoming part of it online since it is a hybrid conference. Save 11-16 September 2022 into your calendar so you can attend/join online to ICOTS 11 presentations.

Information about registration fees is now available at <https://icots.info/11/?registration> a long with different fees for developing countries and delegates from Argentina.

Check out the keynote speakers at <https://icots.info/11/?keynotes>.

Travel information, including how to get to Rosario by bus from the Buenos Aires Airport is available at <https://icots.info/11/?information> We are looking forward to seeing many of you in Rosario in September 2022.

Reflections of Prof Maria Gabriella Ottaviani President IASE 1997-1999



My interest in Statistics education began in 1985 and pervaded all my activities from then on. Due to the decision to further contacts and collaboration with the ISI and other Statistical Societies, the “Società Italiana di Statistica” (SIS) charged me to prepare a paper on “L’enseignement de la statistique dans l’Université Italienne” to be presented at the “Journées de Statistique” (Pau, France, 1985) organised by the French “Association des Statisticiens Universitaires”, afterwards SIS charged me and Enrica Aureli to prepare an invited paper on “Teaching Statistics (11-18) in Italy and the Activity of the <Società Italiana di Statistica>” that I presented at ICOTS 2 (Victoria, Canada, 1986). From 1988 to 1992 the SIS interest about the pre-university teaching of statistical disciplines grew, in order both to introduce statistical disciplines into school syllabuses and to re-orientate, in term of method and quantitative approach, the cultural axis of the Italian school. To fulfil these aims the SIS established the “Permanent Group for teaching statistics” that founded the Italian Journal

“Induzioni” in 1990 and gave origin in Perugia, in 1991, to a specific Centre engaged in the diffusion of statistical literacy: CIRDIS. I took part in all of these activities.

Owing to my interest and involvement in statistical education, I was aware of the international movement that gave origin to IASE in Cairo in 1991, and as soon as possible I became an IASE member, so I am a Founder member of the Association.

I was elected President-elect in 1995, I became President IASE in 1997.

Following my personal experience, I thought that the growth of IASE might take advantage from more strict links both with local Statistical Societies and with international Statistical Societies. So in 1996 with the approval of Anne Hawkins, President IASE, I sent a personal letter (e-mail was not available at that time!) to the President of each of the National and International Societies listed in the ISI Directory. The Societies were not only invited to join IASE as institutional members, but they were also asked to assist by enlarging IASE existing network of contacts and by encouraging communication with colleagues all over the world. The initiative bore some fruit: some Societies in Islamic countries put in touch with the IASE as well as some South American Societies.

In August 1998, IASE representation at the 4th Iranian International Statistics Conference held in Teheran was assured by Carmen Batanero. A special message from the IASE President was read at the beginning of the statistical education sessions. In September 1998, the President represented IASE at the IASS-IAOS joint Conference in Aguascalientes (Mexico) and gave an invited speech on “Developments and perspectives in Statistical Education”.

In Summer 1999, IASE continued to enjoy the fruits of my dissemination activity in 1996. In July, IASE was invited in Mendoza (Argentina) to collaborate into the “CLATSE 4 Congreso Latinoamericano de Societades de Estadística” and the IASE President presented an invited paper titled “A note on developments and perspectives in Statistics Education”. In August, M. G. Ottaviani and C. Batanero presented an invited paper at the 6th Islamic Countries Conference on Statistical Sciences, in Lahore, Pakistan. The paper titled “The role of the IASE in developing Statistical education” was read by Saleha Habibullah, an IASE member, in agreement with the IASE President. In September, M. G. Ottaviani and C. Batanero represented IASE at the “Conferencia Internacional: Experiencias y Perspectivas de la Ensenanza de la Estadística. Desafíos para el siglo XXI” (Florianopolis, Brazil). The Conference was organised together by the PRESTA (Programme de Recherche et d’Enseignement en Statistique Appliquée) and the IASE. The presence of M. G. Ottaviani and C. Batanero and the activities they carried on helped the local statistical education groups to become more visible.

In the meantime, in the 90’s my research moved to the study of Italian school teachers characteristics and their inclination to teaching statistics, also with the aim of organising training courses and additional

courses for in-service teachers (1990). I analysed the existing materials about statistics and probability in many Italian textbooks (1993), as well as in some Italian educational journals for the primary schools (1995). Gaps and errors were found, showing the major areas of difficulty when statistics and probability are taught at school. I considered the delicate relationship between teaching statistics and the computer (1996). I also examined the problem of evaluating the quality of academic teaching, in particular the connection between students' self-evaluation and their evaluation of teaching (1998). Increasing the scope of my research into statistics education I became more and more convinced that in fact I was working in a peculiar field of research demanding not only intersection with education sciences but also the development and utilisation of appropriate statistical methods. So it was not surprising to me that, as I had done in Italy in the occasion of the 39th Scientific Meeting of the SIS (Sorrento, April 1998), also a well-known senior researcher in statistical education, Flavia Jolliffe, demanded in ICOTS 5 (Singapore, June 1998) for recognition in academic world that statistics education is a research discipline in its own right. This key issue was unlighted in my Editorial in IASE Review 1998 as the most important concern emerging from ICOTS 5 (See also SERN 1,1 2000).

After 1999, I served IASE as the Chair of the International Programme Committee of ICOTS 6, 2002 in South Africa. I was co-opted member of the IASE Executive Committee 2001-2003 and I was Associate Editor of the Statistics Education Research Journal since 2002.

In 2003, my dear colleagues and friends who had passionately worked with me, nominated me Honorary Member of the Society. I am grateful to each of them for their help and willingness.

I retired as Full Professor in Statistics in the University of Rome "La Sapienza" in 2011, and I resigned from the charge of Associate Editor of SERJ in November 2021.

Maria Gabriella Ottaviani

- The speeches given by Maria Gabriella Ottaviani as President IASE in 1998 and in 1999 may be found on: <http://www.iase-web.org/About.php?p=History>
- IASE Review 1998 may be found on: http://www.iase-web.org/Publications.php?p=IASE_Review
- Maria Gabriella Ottaviani's point of view on Research into Statistical Education may be found on: <http://www.iase-web.org/documents/SERJ/Newsjan00.pdf?1402525002>
- For those interested in learning more about the activities of the Società Italiana di Statistica from 1939 to 1992 (in English), please see: http://amsacta.unibo.it/2482/1/SiS_leti.pdf
- A presentation of the Italian Journal "Induzioni" may be found at: [THE ROYAL STATISTICAL SOCIETY'S \(iase-web.org\)](http://www.royalsocietypublishing.org/journal/rsos)

IASE online workshops and webinars

Information about future or past IASE webinars can be found at <https://iase-web.org/Webinars.php>.

SERJ News

You can read the articles published in SERJ at <https://iase-web.org/ojs/SERJ/index>

The special issues is newly published and can be found at <https://iase-web.org/ojs/SERJ/issue/current>

ISI Online Courses 2022

The ISI is currently holding its second edition of the Online Course Programme, organized in cooperation with the ISI Associations. The programme covers various areas of statistics and data science; an overview of the upcoming courses is given below.

We invite you to register for the course(s) of your choice in advance in order to secure your spot. Registrations can be made via [ISI Online Courses 2022 | ISI \(isi-web.org\)](https://www.isi-web.org). We have kept the fees as low as possible and offer discounted rates for students and participants from developing countries.

ISI Membership Elections 2022: August round results

Congratulations to the IASE members who became elected ISI members in August 2022.

The names I know are: Teran, Teresita Evelina (Argentina), Finch, Sue (Australia). There might be more that I am not aware of, please let us know who you are so that we can include your name in the next newsletter.

I strongly encourage all of the IASE members to become elected ISI members. The information needed to become an ISI elected member can be found at <https://www.isi-web.org/membership/individual/elected> If you need help identifying people to nominate you ISI elected membership, you can find the names of ISI members at <https://www.isi-web.org/about/members/individual> Please do not let one more year go, consider applying as soon as you can to become an elected ISI member to become a member of wider community.



64th World Statistics Congress

The Chair of the Scientific Programme Committee (SPC), Mark Podolskij, invites the statistical community to prepare proposals for the Invited Paper Sessions (IPS) programme.

The 64th WSC 2023 www.isi2023.org, to be held 16–20 July in Ottawa, Canada, will highlight the developments and contributions of statistics, statistical science, and data science in all aspects of life, particularly the well-being and welfare of people. The WSC 2023 will host talks and presentations on a wide variety of topics, with the overall goal of presenting a balanced programme that provides a sense of the current state and future direction of statistics and their applications.

Read the [full announcement for IPS proposals](#) on the WSC 2023 website, as well as the [Guidelines for Session Organisers, Chairs, Presenters and Discussants](#). IPS proposals are due by 31 July 2022.

General enquiries about the Scientific Programme should be directed to scientific@isi2023.org.



The 15th International Congress on Mathematics Education will be July 7-14, 2024 in Sydney Australia. Please visit <https://icme15.com/home> for information and <https://icmsaust.eventsair.com/icme-15/expression-of-interest/Site/Register> to register your expression of interest and subscribe to the ICME-15 newsletter.

CFIES 2022

Colloque francophone international
sur l'enseignement de la statistique

ENSAI, Rennes, France
du 23 au 25 novembre 2022



7th International French-speaking Conference for Teaching Statistics (CFIES)

The 7th International French-speaking Conference for Teaching Statistics (CFIES), will be held in Rennes (France) from November 23rd to 25th, 2022. The objective of this 3-day conference is to bring together teachers and researchers from the disciplines concerned (mathematics, educational sciences, knowledge engineering, computer science). The main themes this year are "statistical and digital education" and "competency-based education". Registration for the conference is now open. All relevant information may be found on the website:

<https://cfies2022.sciencesconf.org>

Looking forward to welcoming many of you in Rennes,

Antoine ROLLAND, Head of the program committee

Guillaume CHAUVET, Head of the organizing committee

The Journal of Statistics and Data Science Education News

Volume 30, issue 2 of the Journal of Statistics and Data Science Education (JSDSE) is now available. Kudos to the authors, reviewers, and associate editors who made this possible. We hope that you enjoy these open-access papers. Just a reminder that JSDSE has no author publication fees.

“What to Teach, How to Teach, and When to Teach: Musings on Data Science Education”, Nicholas J. Horton, <https://www.tandfonline.com/doi/full/10.1080/26939169.2022.2097563>

“Think-Aloud Interviews: A Tool for Exploring Student Statistical Reasoning”, Alex Reinhart, Ciaran Evans, Amanda Luby, Josue Orellana, Mikaela Meyer, Jerzy Wiczorek, Peter Elliott, Philipp Burckhardt & Rebecca Nugent, <https://www.tandfonline.com/doi/full/10.1080/26939169.2022.2063209>

“Implementing a Senior Statistics Practicum: Lessons and Feedback from Multiple Offerings”, Sierra Paloian, Kirsten Doehler & Alexandra Lahetta, <https://www.tandfonline.com/doi/full/10.1080/26939169.2022.2044943>

Teaching Statistics to Struggling Students: Lessons Learned from Students with LD, ADHD, and Autism”, Ibrahim Dahlstrom-Hakki & Michelle L. Wallace, <https://www.tandfonline.com/doi/full/10.1080/26939169.2022.2082601>

“An Evaluation of College Students’ Perceptions of Statisticians”, Gita Taasobshirazi, Madeleine Wagner, Austin Brown & Colene Copeland, <https://www.tandfonline.com/doi/full/10.1080/26939169.2022.2058655>

“Developing Students’ Intuition on the Impact of Correlated Outcomes”, Ashley Petersen, <https://www.tandfonline.com/doi/full/10.1080/26939169.2022.2074584>

“Opportunities for K-8 Students to Learn Statistics Created by States’ Standards in the United States”, Travis Weiland & Anita Sundrani, <https://www.tandfonline.com/doi/full/10.1080/26939169.2022.2075814>

“Reflections on the Current and Potential K-12 Impact of the Journal of Statistics and Data Science Education”, Michael Dalton & Randall E. Groth,
<https://www.tandfonline.com/doi/full/10.1080/26939169.2022.2054881>

“Data Discovery Challenge Using the COVID-19 Data Portal from New Zealand”, Jon MacKay,
<https://www.tandfonline.com/doi/full/10.1080/26939169.2022.2058656>

“Interview with Bob delMas”, Allan Rossman & Bob delMas,
<https://www.tandfonline.com/doi/full/10.1080/26939169.2022.2075161>

“Regression, Transformations, and Mixed-Effects with Marine Bryozoans”, Ciaran Evans,
<https://www.tandfonline.com/doi/full/10.1080/26939169.2022.2074923> (edited)
