Newsletter

January 2024 Issue

Upcoming IASE Events

Save the Date: Free IASE Webinar

Teaching and Learning Probability
12 March 2024; 18:00 UTC (click here for localized date/time)
Webinar duration: 90 minutes
Presenters: **Carmen Batanero and Rocío Álvarez-Arroyo**

Carmen and Rocío will present their ZDM - Mathematics Education paper [Teaching and learning of probability](#)↗.

Paper abstract

In this paper, we develop a personal synthesis of the most outstanding research on the teaching and learning of probability in the past years. We conducted a systematic search to examine publications on this topic in mathematics education, statistics education, education, and psychology journals. This exploration was complemented by additional studies published in conference proceedings or books. We classified these papers to highlight the main recent research tendencies in the field, according to the theme studied and considering the research objectives. Epistemological analyses suggest that informal inference based on simulation diminishes the topic abstraction but reduces probability to its frequentist view. Topics receiving particular attention include children's probabilistic knowledge, the effect of visualizations on solving conditional probability problems, teachers' education and probability modelling. In the final section, we recommend relevant points in which more investigation is needed to complete our knowledge about teaching and learning. In particular, we miss research on teachers' mathematical knowledge of many probability concepts and on their didactic knowledge.

Register Now

Did you miss 2023 IASE Webinars?

Access recording and slides from the list below

- 5 Dec 2023: [Teachers' autonomy and their reactions to teaching essential statistics and mathematics about global crises: A multinational view](#)
- 13 Nov 2023: [A collection of SERJ papers by new researchers](#)
- 25 Sep 2023: [Emerging Trends in Statistics Education from 2017-2022 – What next?](#)
- 23 Aug 2023: [Challenges in Statistics Education-Today and Tomorrow](#)
- 14 Jun 2023: [Desinformação estatística: desafios contemporâneos para justiça social | Statistics disinformation: contemporary challenges for social justice](#)
- 23 May 2023: [Statistical Edutainment - an ISLP webinar in conjunction with IASE](#)

- 26 Apr 2023: [Publishing in SERJ: Processes and Suggestions](#)
- 7 Mar 2023: [Machine learning in secondary statistics education - challenges and possible ways to address them](#)

Access to 2022 and 2021 Webinars

Call for a new IASE Logo

This year IASE will be moving to a new web platform and alongside this move we decided it was time for an update to the IASE logo. We are inviting IASE members to partake in a competition to design a new logo.

This competition is open to all members of IASE.

1. The logo must have IASE on it.
2. Logos can be hand-drawn and scanned or photographed for entry or they can be computer drawn.
3. The file sent for the logo competition must be restricted to 10MB size.
4. Entries must be submitted by the end of March 2024.
5. The winning entry will be used by IASE going forward. The winner gives ownership of the logo to the International Association for Statistical Education.
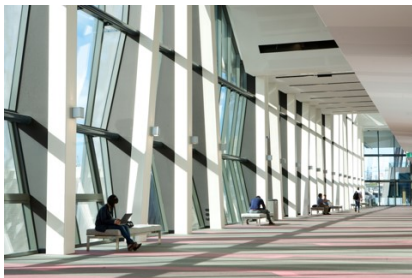
Submit your design

12th International Conference on Teaching Statistics
Brisbane, Australia, 12-17 July 2026

ICOTS is coming to Australia for the first time

The conference venue will be in an enviable section of the world class Brisbane Convention & Exhibition Centre (BCEC), with plenary and breakout rooms in close proximity, and having extensive foyer space with views to South Bank, the river, and pedestrian bridge to a new tourist precinct and to the city centre.

BCEC is in the heart of the South Bank precinct with galleries, theatres, concert halls, museum, 16 hectares of parklands & river walks, and over 90 bars, cafes and restaurants for delegates to enjoy.

Sub-tropical Brisbane is at its sparkling clearest in July, averaging 9-21C (40-70F), 8 hours daily sun, and only 300mm (1in) over all July.

BCEC is in city transport hub. Delegates have free inner city ferry and bus, & discounted Airtrain and public transport. Complimentary visitor information & tour booking desk onsite at the conference.

Plentiful close accommodation. Over 10,000 rooms within walking distance of the Convention Centre. Options range over hostels, hotels, self-catering apartments.

Easily reached with many direct international flights. Close to world famous beaches, islands and hinterlands.

ICOTS 12 aims to cater for full diversity of interests in statistical and data science education. Watch in future news for theme, plenaries, topics and call for papers.

Helen MacGillivray, LOC chair
Stephanie Budget, IPC chair
Michael Bulmer, Information manager

News from the IASE Community

In memoriam
Carol Joyce Blumberg

The International Association for Statistics Education laments the passing of Dr. Carol Joyce Blumberg on December 16th, 2023. The IASE is thankful for Dr. Carol Joyce Blumberg's leadership and contributions to statistics education over many years. She served as a Vice President of the IASE and as a former Director of the International Statistical Literacy Project. She was also a Fellow of the American Statistical Association. She will be greatly missed.

ICME Survey Team Support

ICME Survey Team on **Statistics and data science education as a vehicle for empowering citizens** asks for support.
In July 2024, the 15th International Congress on Mathematical Education will be held in Sydney, Australia.
For the first time, one of the four surveys is dedicated to statistics and data science education.
The survey team would like to ask all IASE members to support the survey by sending information about **relevant publications and projects** to the team leader by **January 31st** so that they can be included in the survey. Your contribution will be acknowledged.
Rolf Biehler (biehler@math.upb.de)

Survey 3: Statistics and data science education as a vehicle for empowering citizens

Data are increasingly pervasive in our daily lives. School statistics has not kept up with the ways that citizens engage with data such as navigating Twitter feeds, using AI for identifying photos, and streaming GPS data to live feed into Google maps to estimate travel times. Data science has created breakthroughs to make more data