IASE 2019

DECISION MAKING BASED ON DATA

Location: Sasana Kijang (Bank Negara Malaysia)

AUGUST · 13-16 · 2019,
KUALA LUMPUR, MALAYSIA

August 13 - WORKSHOPS

9 am - 12 pm : Workshop A (Training Room 3.1)

What should a good statistical poster look like ?
Reija Helenius & James Nicholson

9 am - 12 pm: Workshop B (Computer Training Room)

The Usage of R in Understanding Statistical Subjects
Mohd Bakri Adam

1 pm - 4 pm: Workshop C (Training Room 3.2)

The Role of Simulation in Building Conceptual Understanding of Statistical Inference
Gail Burrill

	WEDNESDAY AUGUST 14	
8.30 am - 8.45 am	OPENING BY MASTER OF CEREMONY AND WELCOME BY GAIL BURRILL Conference Hall 1	
8:45 am - 9:45 am	KEYNOTE Azami Zaharim Malaysia: Wind Energy Distribution Recent Development Conference Hall 1	
PARALLEL SESSIONS	TRAINING ROOM 3.1 (Chair Engel)	TRAINING ROOM 3.2 (Chair Martignon)
9:45 am - 10:15 am	M. Borovcnik Informal Inference Approaches towards Statistical Inference	K. Vehkalahti Engaging Everyone with Open Data Science
10:15 am - 10:30 am	SHORT BREAK	
10:30 am - 11:00 am	G. Burrill Understanding Sampling Distributions: The Role of Dynamic Interactive Technology	R. Oktavia, N. Nurmaulidar, I. Syahrini, H. Hafnani Effects of teaching the sampling distribution of the means using simulation with and without stating the central limit theorem
11:00 am - 11:30 am	S. Budgett, M. Puloka Making sense of categorical data - question confusion	C. Dehon, Ph. Emplit, E. Van Lierde A case study of learning analytics within a statistics course for undergraduate students in economics
11:30 am - 12:00 pm	J. Ridgway, J. Nicholson GAISE-ing beyond…	N. Halid, Z. Mahmud, B. Osman, S. Sapri Exploring teachers' attitude and statistical knowledge in teaching statistics based on Rasch measurement model
12:00 pm - 1:00 pm	LUNCH	
1:00 pm - 1:30 pm	S. Ocampo, B. Ocampo Capacity Building through Project Based Learning in Bayesian Statistics	F. Chiesi How deep is your approach to learning? A study with undergraduate psychology students

1:30 pm - 2:00 pm	**A. Renelle, S. Budgett, R. Jones** Recognition of random processes from simulated auditory experiences	**C. Østergaard** Questioning the world – statistical inquiry
2:00 pm - 2:30 pm	**A. D´Amelio, E. Mamaní, J.Tari** An evaluation model to reduce stress in university students	**V. Yap, W. Liu** On Inferential Techniques used in Studies on Teaching Statistics
2:30 pm - 3:00 pm	**A.Bilgin, P. Petocz** Dealing with the increased assessment workload of incorporating work-integrated learning in a capstone unit for an undergraduate major in statistic	**A. Serradó-Bayés** Obstacles in the evolution of secondary school students' mental models of reasoning on decision-making
3:00 pm - 3:30 pm	**BREAK**	
	(Chair Bilgin)	**(Chair Nicholson)**
3:30 pm - 4:00 pm	**E. Bologna, M.Vaiman, M. Alfonso** Aligning evaluation with achievement objectives: automated exams based on Bloom's taxonomy	**G. Ekol** Perspectives on foundation statistics: Some examples from prospective secondary mathematics teachers
4:00 pm - 4:30 pm	**J. Dawson, A. M J O'Shea, J. Ghosh** Reducing high-frequency time series data in driving studies	**F. Berens** Statistics beliefs of advanced social science students - a qualitative evaluation of focus groups
4:30 pm - 5:00 pm	**S. Elbehary** The Necessity of Revising Primary School Content of Probability in Egypt to Enhance Students' Probabilistic Reasoning	**E. Umeh, J.Obulezi** Data-Driven Decision Management (DDDM) and Educational Data Analytics (EDA) in Nigerian school system
5:00 pm - 5:30 pm	**T. Terán, J. Ciminari** Let's Learn Statistics Playing	**Alzahrani, E. Stojanovski** A Gender-Based Analysis of the Effect of Mathematics Anxiety on Mathematics Performance among Secondary Students
5:30 pm - 6:00 pm	**SAS PRESENTATION - ISLP PRESENTATION CONFERENCE HALL 1**	

THURSDAY AUGUST 15

8:20 am - 8:30 am	**HOUSEKEEPING (Chair Budgett)**	**HOUSEKEEPING (Chair Burrill)**
8:30 am - 9:00 am	**D. Canada** Middle School Students' Informal Inferences About Falling Raindrops	**M. Handa** Study of Assessment when students learn through the teaching materials with statistics decision
9:00 am - 9:30 am	**T. Apata, Y. N'Guessan, K. Ayantoye, S. Ogunjimi** Agricultural Land-Use Systems and Climate Change among small farmers in Nigeria	**T. Kyng, L. Li, A. Bilgin** Risk, Uncertainty & Decisions about Australian Retirement Village Residency for seniors.
9:30 am - 10:00 am	**D. Frischemeier, R. Biehler** Design of a teaching unit to develop primary school students´ reasoning about uncertainty in multi-step chance experiments	**M. Nekoufar** The knowledge of Statistics Teachers Assessment Literacy
10:00 am - 10:15 am	**SHORT BREAK**	
10:15 am - 10:45 am	**J. Engel, T. Erickson, L. Martignon** Teaching about decision trees for classification problems	**J. Morita, A. Steel, P. Guttorp** Beyond calculation: Teaching statistical thinking
10:45 am - 11:15 am	**L. Martignon, T. Erickson, J. Engel, U. Hoffrage, J. Woike** Fast and Frugal Trees for Decision Making	**H. Vinje, T. Almøy, H. Brovold, S. Sæbø** Adaptive statistical education to motivate and promote the growing and diverse student population

11:15 am - 11:45 am	**S. Habibullah** Extension of a 2018 Sample-Based Study on the Level of Awareness Regarding Big Data in the Statistics Community of Pakistan	**J. Mandrekar** Data driven decision making for survey reduction: case study from neurology research
12:00 pm - 1:00 pm	**LUNCH**	
1:30 pm - 7:00 pm	**EXCURSION**	
7:00 pm	**CONFERENCE DINNER**	

FRIDAY AUGUST 16

SINGLE SESSION	MUSEUM THEATRETTE (Chairs Frischemeier and Chiesi)
8:20 am - 8:30 am	**HOUSEKEEPING**
8:30 am - 9:30 am	**KEYNOTE Richard De Veaux** Data Science for all. Sure, but who, where, what, how and why?
9:30 am - 10:00 am	**J. Nicholson** Significance is not the whole story – decision making in hypothesis testing has two sorts of possible errors
10:00 am - 10:30 am	**D. Parsons, R. Stern, D. Stern** A problem-solving course in statistics for mathematical science students
10:30 am - 11:15 am	**BREAK AND POSTER SESSION**
11:15 am - 11:45 am	**T. Lee** A Deep Learning Analytics to Facilitate Sustainability of Statistics Educaton
11:45 am - 12:15 pm	**B. de Sousa, R. Gomes, L. Barata, A. Domingos** What to do when you do not see the data
12:15 pm - 1:15 pm	**KEYNOTE Gail Burrill** Data Literacy Should Not Be Optional: Implications for Statistics Educators and for IASE
1:15 pm - 1:30 pm	**WRAP UP**

FINAL REMARKS AND FAREWELL

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