Performance Measurement

International Workshop on Efficiency and Productivity Measurement using Data Envelopment Analysis

27th - 29th November 2018

This three-day classroom-based workshop will focus on the measurement of efficiency and productivity using data envelopment analysis (DEA). The content of the workshop is designed meticulously with the objective to provide a healthy balance between theory and hands-on applications. The workshop will cover sufficiently both basic and advanced DEA models for measuring efficiency and productivity in multi-input and multi-output settings. Participants will be introduced to DEAP, EMS, R packages and MATLAB. The workshop is organised by the Faculty of Economics, South Asian University, India, in technical collaboration with Buckingham Business School, The University of Buckingham, United Kingdom.

Who is this workshop for?

This workshop is perfect for those who are interested in assessing the performance of organisational units such as banks, hospitals, manufacturing firms, insurance firms, or schools, among others. The workshop will be of immense benefit to aspiring doctoral candidates, post-doctoral fellows, current doctoral students, and other academicians working in the field. The workshop will also be suitable for corporate professionals who are interested in learning benchmarking techniques.

Workshop Presenters

Dr. V. Charles is the Director of Research and a Professor of Management Science at Buckingham Business School, The University of Buckingham, UK. He is a postdoctoral research fellow from NUS, Singapore and a Fellow of Pan-Pacific Business Association, USA. He holds Executive Certificates from the MIT, HBS, and IE Business School. He has more than 20 years of teaching, research, and consultancy experience in various countries, in the fields of applied quantitative analytics (big data). He has published over 120 research works and has published books with Springer, Pearson Education, and Cambridge Scholars Publishing, UK. Dr. Charles has developed the 4^3 Architecture for Service Innovation. He has industry exposure, for research and consultancy purposes: Advertising, Agriculture & Agribusiness, Transportation, Consumer Products, Banking, Education, Electronics, and Manufacturing. He is a recipient of various international honours and awards.

Dr. Jolly Puri is currently working as an Assistant Professor in School of Mathematics, Thapar Institute of Engineering & Technology, Patiala. She completed her doctorate from Indian Institute of Technology Roorkee, Uttarakhand. Her area of research is theoretical and methodological development of data envelopment analysis in uncertain environments with applications in decision making and expert systems. She has presented her research work globally at many international and national conferences. Her research articles are published in Annals of Operations Research, International Journal of Fuzzy Systems, Expert Systems with Applications, etc.

Dr. Sunil Kumar is an Associate Professor of Economics at Faculty of Economics, South Asian University, India. His research focus is on the measurement of efficiency and productivity in the financial institutions and manufacturing sector using non-parametric and parametric frontier efficiency models. He has published his work in Economic Modelling, Applied Economic Letters, International Review of Economics, Benchmarking and Economic Change and Restructuring. He has also published one research book titled "Deregulation and Bank Efficiency in India" with Springer.

Location: Mezzanine Floor, South Asian University, Akbar Bhawan, Chanakyapuri, New Delhi-110021

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THE UNIVERSITY OF BUCKINGHAM

SAU SOUTH ASIAN UNIVERSITY

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Workshop Content

Day 1	Sessions 1-4
9.30 – 17.30 hours	CCR, BCC, SBM, and super-efficiency models Measurement of scale efficiency Cost efficiency models Revenue efficiency models Profit efficiency models Window analysis
Day 2	**Sessions 5-8**
9.30 – 17.30 hours	Modelling non-discretionary/undesirable variables in DEA Stochastic programing DEA models Satisficing DEA models Bootstrapping in DEA
Day 3	**Sessions 9-12**
9.30 – 17.30 hours	Malmquist productivity index Fuzzy DEA Multi-component DEA in uncertain (interval/fuzzy/ordinal) environments

Pricing and Information

Indian academic participants:	Rs.	6000
Indian non-academic participants:	Rs.	10000
Non-Indian participants:	USD	200.

Registration and Payment

For registration and payment, please visit the workshop webpage at http://www.sau.int/
For more information, email at epa2018@sau.int

Important Note

Due to logistical reasons, only a limited number of participants will be admitted to the workshop. The admission will be on a rolling basis until all the positions have been filled or until the application deadline of 1st November 2018 has been reached. Participants are responsible for arranging their own transportation and accommodation.

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