About The Workshop

This is a one-day intensive course on methods of statistical bootstrap with applications to measuring reliability of estimation results from Data Envelopment Analysis (DEA) and Stochastic Frontier Analysis methods. Among other things, participants will learn how bootstrap can be used to estimate bias, standards errors, confidence intervals and learn about various statistical tests for DEA estimates of efficiency scores as well as improve statistical inference in SFA context. They will also obtain hands-on experience implementing some of the methods using Matlab during tutorial lab sessions.

Course Outline

Course instruction will take the form of lectures and tutorial lab sessions according to the schedule below:

9:00-9:20  Registration
9:20-9:30  Welcome address
9:30-11:00 Lecture 1. Introduction to Statistical Bootstrap Methods
11:00-11:30 Coffee break
11:30-13:00 Lab session 1: Introduction to Bootstrap in Matlab
13:00-14:00 Lunch time
14:00-15:30 Lecture 2. Application of Bootstrap for Efficiency and Productivity Analysis
15:30-16:00 Coffee break
16:00-17:30 Lab session 2: Bootstrap for Efficiency and Productivity Analysis in Matlab

Who Should Attend?

The course is aimed at graduate students, researchers, economists, statisticians and consultants from private and public sector organizations, regulatory authorities, regulated firms, infrastructure industries (e.g., electricity, gas, railways), service industries (e.g., education, health), and industries with branch structures (e.g., banks, credit unions, franchises, retail chains). Participants are expected to have an understanding of microeconomics and econometrics similar to that of an economics graduate of an Australian university.

Registration

<table>
<thead>
<tr>
<th>Category</th>
<th>Earlybird (prior to 21/10/11)</th>
<th>Ordinary</th>
</tr>
</thead>
<tbody>
<tr>
<td>Non students:</td>
<td>$390</td>
<td>$450</td>
</tr>
<tr>
<td>Full-time students:</td>
<td>$190</td>
<td>$250</td>
</tr>
</tbody>
</table>

Registration fees are in Australian dollars and include GST. Participants will receive sets of notes and relevant readings. Registration includes course tuition, notes and morning/afternoon tea. Lunch is not included. Please complete the registration form attached below. Session numbers are strictly limited so please register early to avoid disappointment.

For further information, contact Valentin Zelenyuk v.zelenyuk@economics.uq.edu.au
REGISTRATION FORM

Please make sure all contact details are clearly written to ensure you receive all necessary correspondence.

Participant’s Details

Title: ______ First name: ___________________ Last name: ___________________
Position: ___________________________________________________________________
Section/Unit: __________________________________________________________________
Organisation: __________________________________________________________________
Mailing address: __________________________________________________________________
Email address: ___________________________________________________________________
Contact phone: work: __________________ mobile: ____________________________

Payment Details

Registration fee for the 1-day workshop is:
Non Student AUS $450 incl GST. (Early bird prior to 21st October 2011: $390)
Fulltime Student AUS $250 incl GST. (Early bird prior to 21st October 2011: $190)

Please note, to confirm your registration, payment must be made prior to course commencement. Payment may be made by:

☐ Credit Card
Please charge $_________ to my Bankcard ☐  MasterCard ☐  Visa ☐
Card Account Number □□□□□□□□□□□□□□□□□□□□
Expiry Date: ___________ / ___________
Name of Card Holder: __________________________________________________________
Cardholder’s Signature: ________________________________________________________

☐ Cheque or money order, crossed ‘not negotiable’ and payable to the School of Economics, The University of Queensland

Please return the completed registration form by fax (07) 3365 7299, email r.tolley@uq.edu.au or post to Rachel Tolley, School of Economics, Level 6, Room 624, Colin Clark Building (39) The University of Queensland, St Lucia QLD 4072.