

Workshop Announcement

An Asian MetaCentre Training Workshop on “Demographic Analysis and Computer Application”

Bangkok, Thailand

7th –18th October, 2013

This workshop is organized by College of Population Studies,
Chulalongkorn University,
in collaboration with
International Institute for Applied Systems Analysis and
Asia Research Institute, National University of Singapore.

www.cps.chula.ac.th/demogworkshop_2013.htm



1 Workshop overview

In this comprehensive workshop, participants get the knowledge on how to use basic and advanced spreadsheet techniques (Excel) to present and analyze demographic data. Each topic is aimed to show how to apply different advanced Excel technique to solve typical tasks of demographic analysis. The following major topics are to be covered:

1. Basic demographic indicators related to age composition. Basic introduction to Excel. Making Charts.
2. Period-cohort transformation (Advanced use of functions).
3. Mortality analysis (Advanced Excel features).
4. Multi-decrement life tables.
5. Regression (Advanced use of functions).
6. Regression with Excel. Using regression approach to close life table.
7. Fertility tables.
8. Nuptiality tables.
9. Stationary and stable population.
10. Introduction to Visual Basic for application (macro language in Excel).
11. Population projections and the use of more advanced macro technique.
12. Relational mortality models.
13. Data graduation and smoothing technique. Parameterized models.

2 Program structure

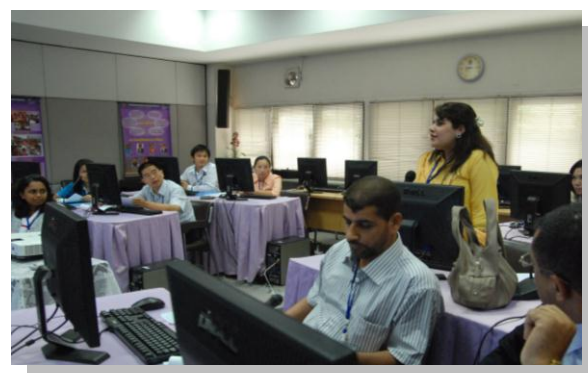
The workshop consists of lectures, practical sessions and exercises. Most of the exercises are based on data from demographic yearbooks and surveys for different countries or group of countries.

3 Instructor

Professor Sergei Scherbov is the workshop's instructor. Professor Scherbov is the Leader of the Population Dynamics and Forecasting Group at the Vienna Institute of Demography (VID), Senior Research Scholar at IIASA's World Population Program and one of the world's leading experts in Computer Application of Demography.

4 Prospective applicants

The training workshop is targeted for junior scientists, researchers and graduate students whose field of interest is related to mathematical demography and population studies. It also suits early-to mid-career professionals working in statistical or research institutes or teaching demographic analysis at universities who wish to strengthen their basic analytical skills and gain knowledge of advanced techniques for demographic analysis.



5 Application process

Interested applicants are asked to fill in an application form and a questionnaire, and return them, along with the CV, to Ms. Chanetti Milintangul (Workshop Coordinator) at k3139@hotmail.com by March 29, 2013. Please note that we are able to offer a very limited number of places.

6 Workshop venue

The workshop will be taken place at College of Population Studies, Chulalongkorn University.



7 Course fees

There are two fee options.

Fee options	Registration Before May 31	Registration
(1) Course fee only	€850	€950
(2) Course fee & 15-night stay at Asia Hotel Bangkok	€1,450	€1,550

Course fee includes course materials, lunch and refreshments. Early registration for the second option is highly recommended. All payments must be made by August 15, 2013. Please note that no fee will be refunded for cancellation made later than August 30, 2013. Accommodation booking is non-changeable and non-refundable.

8 Daily cost of living

The estimated cost of living in Bangkok, excluding accommodation, is about 600-800 Baht (15-20 €) per day.

For further information, please contact:
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DEMOGRAPHIC ANALYSIS AND COMPUTER APPLICATION

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APPLICATION FORM

(Please type or use CAPITAL letters. Full name as stated in passport)

Title: Dr. Mr. Mrs. Ms.

Family name: _____ First and other name: _____

Gender: F/M Date of Birth: (dd/mm/yy) _____ Nationality: _____

Present position / job title: _____

Institutional affiliation: _____

Institutional mailing address: _____

Country of residence: _____

Phone number: (office) _____ (home) _____

Fax number: _____ E-mail: _____

Please tick relevant box(es)

Fees	Registration Before May 31	Registration
<input type="checkbox"/> Course fee	850 €	950 €
<input type="checkbox"/> Course fee and 15-night accommodation	1,450 €	1,550 €
Source of funding		
<input type="checkbox"/> Self-funded		
<input type="checkbox"/> Funded by organization. Please specify.		
For those who plan to seek funding, please identify your possible funding source		
Additional requirement		
<input type="checkbox"/> Require a vegetarian lunch		
<input type="checkbox"/> Require any special diet. Please specify.		

Signature of applicant: _____ Date: _____

QUESTIONNAIRE FOR THE COURSE

Please fill in the form using the following symbols:

- ++ I know the subject or I can calculate this indicator or I know how to apply this function
- + I heard about this subject, indicator or function. But I have never calculated it or used it myself.
- Some vague idea about this subject
- I have no idea what it is about

Subject, indicator, function	The level of knowledge
1. Selected demographic indicators of models	
1.1. Age specific mortality, fertility, migration rates	
1.2. Total fertility rate	
1.3. Life table	
1.1. Population projections (cohort-component method)	
1.2. Gamma fertility model	
1.3. Brass relational logit model (mortality)	
2. Working with Excel	
2.1. Navigation in a workbook, entering data in a worksheet	
2.2. Using simple formulas	
2.3. Ranges. Copying and moving ranges with data and formulas	
2.4. Relative and absolute cell reference in Excel	
2.5. Making charts	
2.6. Excel functions: INDEX, MATCH, VLOOKUP, HLOOKUP	
2.7. Pivot tables	
2.8. Excel's linear regression functions	
2.9. Using Visual Basic for Applications	
3. General skills:	
3.1. Linear interpolation	
3.2. Linear regression	
3.3. Non-linear regression	