TRAINING WORKSHOP ON

DEMOGRAPHIC ANALYSIS WITH APPLICATIONS TO AGING AND HEALTH

SEPTEMBER 16 - 27, 2024
BANGKOK, THAILAND

CPS
COLLEGE OF
POPULATION STUDIES

International Institute for
Applied Systems Analysis
IIASA www.iiasa.ac.at

Begin Your Expertise Journey:

Mastering Demographic Analysis and Excel Skills

WHY CHOOSE US?

🌍 COMPREHENSIVE PROGRAM

Dive deep into the intricacies of demographic analysis techniques, with a primary focus on aging, health, and population projections. Throughout the course, participants are introduced to various types of data and technical issues related to demographic analysis through real-life examples.

📜 CERTIFICATION:

Upon completing the course, participants receive a certificate of participation. Those passing the concluding examination will obtain a certificate of accomplishment

💻 PRACTICAL LEARNING

A hands-on workshop is designed to meet the demands of demographic research. Participants will learn fundamental concepts and methods, engage in practical sessions, and acquire proficiency in advanced spreadsheet techniques using Microsoft Excel. Additionally, they will be introduced to the powerful capabilities of R programming language for demographic analysis.

🏅 GUIDANCE FROM THE WORLD'S LEADING EXPERT: PROFESSOR SERGEI SCHERBOV

Professor Sergei Scherbov, a leading expert in demographic computer applications and aging research. He is currently IIASA Distinguished Emeritus Research Scholar in the Population and Just Societies Program. Previously, he was Deputy Program Director of IIASA's World Population Program and Director of Demographic Analysis at the Wittgenstein Centre for Demography and Global Human Capital. He is Affiliated Professor at the College of Population Studies, Chulalongkorn University, Thailand.

Professor Scherbov has given numerous intensive "hands-on" courses in demographic analysis and computer applications at many universities and statistical offices around the world, some of which were organized by the United Nations Population Fund (UNFPA). Professor Scherbov has authored, co-authored or co-edited several books and more than 200 articles in professional journals, including Science and Nature.

In recognition of his outstanding contributions, Professor Scherbov was awarded a prestigious Advanced Grant from the European Research Council (ERC) to study new measures of aging.

WHAT YOU WILL LEARN:

1. Demographic Fundamentals:
   - Explore population age composition and its measures.
   - Master period-cohort transformations.
   - Dive into the realm of Excel advanced functions.
2. Data Presentation Mastery:
   - Acquire advanced techniques for impactful data presentation.
   - Unleash the potential of interactive graphical systems.
3. Vital Insights:
   - Understand life tables and unravel mortality analysis.
   - Grasp fertility measures for a comprehensive demographic perspective.
   - Navigate the dynamics of stable populations.
4. Technical Proficiency:
   - Efficiently work with large datasets.
   - Introduction to Visual Basic for Applications (VBA) for enhanced functionality.
5. Innovation in Aging Studies:
   - Explore new measures of age and aging.
   - Model age patterns of vital events for deeper insights.
6. Future Forecasting:
   - Master population projections and parameterized population projections.
   - Analyze real-world case studies on aging and health across different countries.
7. Introduction to R programming language

WHO SHOULD ATTEND:

- Junior scientists, researchers, and graduate students with an interest in population studies.
- Early- to mid-career professionals in statistical offices or research institutes seeking advanced skills.
- Lecturers in demography.

APPLICATION PROCESS:

- Complete the application form.
- Fill out the questionnaire.
- Submit your CV.

Send all documents to workshop coordinator at cpsaging@gmail.com by **April 30, 2024**.
Following the evaluation of applications, applicants will be notified about the outcome by **May 25, 2024**.

FEES

Payment before June 10, 2024

Course fee :	€1,200
Course fee & accomodation:	€1,600

Payment after June 10, 2024

Course fee :	€1,400
Course fee & accomodation:	€1,800

Course fee includes materials, lunch and refreshments.

PAYMENT DETAILS :

- Early payment due by **July 19, 2024**.
- No course fee refunds for cancellations after **August 02, 2024**.
- Accommodation bookings are non-changeable and non-refundable if booked through organizers.

COST OF LIVING IN BANGKOK :

- Estimated **400-600 Baht (10-15€)** per day.

TRAINING WILL BE HELD ON :

16 - 27 September 2024
From 9.00 - 17.00 on
Monday to Friday

College of Population Studies, Chulalongkorn University, Bangkok.

Visid Prachuabmoh Building
254 Phaya Thai Rd, Wang Mai, Pathum Wan, Bangkok 10330, Thailand

MORE INFORMATION

Workshop Coordinator:
Dr. Orawan Prasitsiriphon

+66 - 02-218-7344

cpsaging@gmail.com

www.cps.chula.ac.th/newcps/

Demographic Analysis with Applications to Aging and Health

September 16 – 27, 2024
Bangkok, Thailand

Application Form

(Please type or use CAPITAL letters as stated in the passport)

Title: Dr. ☐   Mr. ☐   Mrs. ☐   Ms. ☐

Family name: _____ Given name: _____

Sex: M ☐   F ☐   Date of Birth: (DD/MM/YY) _____ Nationality: _____

Current position/Job Title: _____

Institutional Affiliation: _____

Institutional mailing address: _____

Country of Residence: _____

Phone Number: Office: _____ Home: _____

Fax Number: _____ Email: _____

Please check relevant boxes

Fees: ☐ Course fee   €1,200 (€1,400 after June 10)

         ☐ Course fee and 13-night accommodation   €1,600 (€1,800 after June 10)

Source of funding: ☐ Self-funded through current institution/affiliation

         ☐ Self-funded through _____

_____

Dietary requirements: ☐ Vegetarian ☐ Halal food ☐ Gluten free

         ☐ A special diet (Please specify): _____

Signature of Applicant: _____ Date: _____

QUESTIONNAIRE FOR COURSE APPLICANTS

This questionnaire's purpose is to estimate the level of knowledge of applicants in the areas covered in the course to customize the workshop to their prospective needs. ***Kindly keep in mind that basic knowledge of working with spreadsheets is expected and explanations of basic functions during the workshop will be limited to be able to cover the range of topics.***

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.

-       I have some vague idea about this subject.

--   I have no idea about this.

Subject, indicator, function	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 tables	
1.4. Population projections (cohort-component method)	
1.5. Gamma fertility model	
1.6. 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 (VBA)	
3. General skills	
3.1. Linear interpolation	
3.2. Linear regression	
3.3. Non-linear regression	