

Training Workshop on

Demographic Analysis with Applications to Aging and Health

September 25 - October 12, 2023
Bangkok, Thailand



This workshop is organized by the College of Population Studies, Chulalongkorn University and the International Institute for Applied Systems Analysis (IIASA)



วิทยาลัยประชากรศาสตร์
COLLEGE OF POPULATION STUDIES
Chulalongkorn University



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



Overview

This workshop offers comprehensive training in demographic analysis and computer applications with a focus on population projections and policy planning in aging societies. Participants will learn how to perform typical tasks of demographic analysis using basic and advanced spreadsheet techniques in Microsoft Excel and using R programming language. The topics covered in the two courses are as follows:

Workshop 1

Date: September 25 - October 6, 2023

- Population age composition and its measures, period-cohort transformations, introduction to Excel advanced functions
- Advanced techniques of data presentation, interactive graphical systems
- Life tables and mortality analysis
- Fertility measures
- Stable populations
- Working with large data sets
- Introduction to Visual Basic for Applications (VBA)
- The characteristics approach to the measurement of population aging and health
- Modelling age patterns of vital events
- Population projections, parameterized population projections
- Country case studies on aging and health

Workshop 2

Date: October 9 - October 12, 2023

- Introduction to R language
- Data transformation
- Data smoothing and interpolation
- Life tables
- Measures of aging
- Population projections
- Additional useful topics could be covered such as statistical analysis, data clustering, creating maps.

Structure

The workshop will be taught through a mixture of lectures, hands-on practical sessions and exercises. The course will run from 09.00 to 17.00 every day. Certification is based on the completion of daily assignments and on passing a final examination.

Instructor

The course is taught by Professor Sergei Scherbov, one of the world's leading experts specializing in demographic analysis, population projections and new measures of aging that consider characteristics of people.



Until recently Prof. Scherbov was Deputy Program Director of IIASA's World Population Program, Director of Demographic Analysis at the Wittgenstein Centre for Demography and Global Human Capital (IIASA, VID/ÖAW, WU), and Leader of the Population Dynamics and Forecasting Research Group at the Vienna Institute of Demography at the Austrian Academy of Sciences. He is also Affiliated Professor at the College of Population Studies, Chulalongkorn University, Thailand. He authored or co-authored more than 200 scientific papers including 6 papers in Science and Nature.



Prospective Applicants

The training workshop is designed for junior scientists, researchers and graduate students whose field of interest is related to population studies. It is also suitable for early- to mid-career professionals working in statistical offices or research institutes. It also caters to those who teach demographic techniques at universities who wish to reinforce their skills and gain knowledge in advanced techniques regarding demographic analysis.



Application Process

To apply for the upcoming workshop, please fill out the Google Form, which is divided into three sections: the application form, a questionnaire, and submission of your CV. All information provided will be sent to Dr. Orawan Prasitsiriphon, our Workshop Coordinator, at agingcps2023@gmail.com. The deadline for submissions is **May 31, 2023**. After the application review process, applicants will be notified about the outcome by **June 30, 2023**.



Workshop Venue

The workshop will take place at the College of Population Studies, Chulalongkorn University, Bangkok.

Course Fee Options

| Workshop 1 | Payment before July 21 | Payment after July 21 |
|----------------------------|------------------------|-----------------------|
| Course fee | €1,100 | €1,200 |
| Course fee & accommodation | €1,515 | €1,615 |

| Workshop 2 | Payment before July 21 | Payment after July 21 |
|----------------------------|------------------------|-----------------------|
| Course fee | €440 | €480 |
| Course fee & accommodation | €600 | €640 |

Course fee includes course materials, lunches, and refreshments. Early payment of course fee and accommodation are highly suggested. All payments must be made by **August 4, 2023**. Please note that no course fees will be refunded for cancellations after **August 18, 2023**. Accommodation booking is non-changeable and non-refundable, if booked via the organizers.

The estimated cost of living in Bangkok, excluding accommodation, is about **400-600 Baht (10- 15€)** per day.

Contact Information

For queries, please contact Workshop Coordinator: Dr. Orawan Prasitsiriphon
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