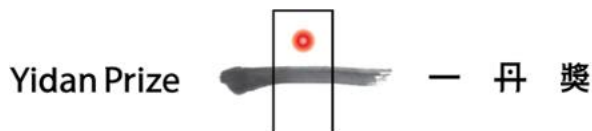


DEMOGRAPHIC ANALYSIS WITH APPLICATIONS TO AGING, HEALTH, AND EDUCATION

TRAINING WORKSHOP



Bangkok, Thailand | November 2-25, 2026
Chulalongkorn University | Including an Introduction to Generative AI



Begin Your Expertise Journey:

Mastering Demographic Analysis and Skills, with an Introduction to Generative AI for Problem-Solving

Join our renowned training course in demographic analysis, now in its third decade! With more than 400 participants from 28 countries having successfully completed this program, the course offers an intensive, hands-on learning experience designed to deepen your expertise in the advanced methods of demographic analysis.



"The course was truly eye-opening, especially in today's aging society, where we often overlook the realities of longer lifespans and the need to adapt accordingly. It's a concept every discipline should embrace to address the challenges we all face."

Dr. Norabajra Asava-vallobh, 2023

"...This workshop was awesome, life-changing, and full of skill-building..."

Anonymous review from the 2024 class

"Very insightful for analyzing the demographic data using the computer application"

Anonymous review from the 2025 class

Course structure:

- The program runs for 18 days, with six hours of daily classes complemented by additional independent work.
- Participants engage in an in-depth exploration of demographic methods and analytical techniques, with an emphasis on computer-based analysis. Real-world examples and country-specific case studies are incorporated throughout to enrich understanding and practical application.
- Participants will learn and apply most of the techniques employed in the book "Prospective Longevity: A New Vision of Population Aging," recently published by Harvard University Press.
- Participants will learn how to develop population projections by educational status using a newly developed specialized computer application. They will also learn how to prepare baseline data and scenarios to run the application.

Upon completing the course, participants receive a **Certificate of Participation**. Individuals who successfully pass the examination will receive a **Certificate of Accomplishment**.

GUIDANCE FROM THE WORLD'S LEADING EXPERT

Professor Sergei Scherbov is a leading expert in demographic computer applications and aging research. He is currently an IIASA Distinguished Emeritus Research Scholar in the Population and Just Societies Program. Previously, he served as 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 an 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). He has authored, co-authored or co-edited several books and more than 200 articles in professional journals, including 6 papers in Science and Nature. In recognition of his outstanding contributions, Professor Scherbov was awarded a prestigious Advanced Grant from the European Research Council (ERC) to develop new measures of aging. He is a full member of the Academy of Europe.



Professor Dalkhat Ediev will join Professor Scherbov to teach the education population projections module. He is one of the world's leading mathematical demographers and a Research Scholar at IIASA's Population and Just Societies Program. His expertise spans advanced mathematical methods in demographic analysis, including population projections, fertility and mortality modeling. Professor Ediev, together with Professor Scherbov, developed the Education Projection System.

WHAT YOU WILL LEARN

Instructor: Professor Sergei Scherbov

- **Demographic Fundamentals:** Learn how to analyze population age structures and develop key metrics. Master period-cohort transformations and gain proficiency in advanced Excel functions for demographic analysis.
- **Data Presentation Mastery:** Learn advanced techniques for presenting data effectively and leverage interactive graphical tools to enhance data storytelling.
- **Mortality, Fertility, and Population Dynamics:** Construct life tables and conduct in-depth mortality analysis, alongside fertility measures for a robust demographic framework. Understand stable population theory and its applications. Learn different models of age-specific patterns of vital events.
- **Technical Proficiency:** Develop the skills to handle large datasets efficiently and gain an introduction to Visual Basic for Applications (VBA) for added analytical capabilities.
- **Ageing Studies:** Explore cutting-edge approaches to measuring age and aging, with case studies on aging and health drawn from various international contexts.
- **Population Projections:** Master techniques for both standard and parameterized population projections.
- **Introduction to R Programming:** Acquire foundational skills in R, focusing on data transformation, smoothing, life table construction, age-related metrics, population projection techniques and various additional methods for demographic analysis.
- **Applying ChatGPT & Generative AI for Demographic Analysis:** Explore how generative AI tools can streamline demographic research, from data preprocessing to result interpretation. Learn prompt engineering techniques to enhance coding assistance (e.g., in R or Excel VBA) and accelerate data exploration.
- **Educational Population Projections (5-Day Advanced Module):** Master education-stratified population projections with hands-on training in data preparation, mortality and fertility modeling by education level, migration inputs, and scenario design. Learn to build complete country projection systems and develop reproducible country case studies. This module will be co-taught by Professor Dalkhat Ediev.

The Application Journey



Application Deadline

Email application form, questionnaire, and CV to cpsaging@gmail.com.

Decision Notification

All applicants will be notified of their outcome by this date.



Who Should Apply

Junior scientists, graduate students, and early-to-mid-career statistical professionals.

Fees & Investment



Early Bird Discount

Pay early to access the lowest possible rates.



Comprehensive Fee Inclusions

Fees include all course materials, daily lunch, and refreshments.



Budget approximately 400–600 THB (€10–15) per day for local expenses.

Payment Category	Before July 15, 2026	After July 15, 2026
Course Fee Only	€2,150	€2,300
Course + Accommodation	€2,950	€3,100

TRAINING WILL BE HELD ON



November 2–25, 2026



9:00 a.m.–5:00 p.m.
Monday–Friday



College of Population Studies,
Chulalongkorn University

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

For More Information



<https://cps.chula.ac.th/cps2022/>



+66-02-218-7344

Workshop Coordinator:

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orawan.pr@chula.ac.th



DEMOGRAPHIC ANALYSIS WITH APPLICATIONS TO AGING, HEALTH, AND EDUCATION

APPLICATION FORM

College of Population Studies, Chulalongkorn University, Bangkok, Thailand | November 2-25, 2026

Please complete this form in English exactly as shown in your passport and email it together with the questionnaire, your CV, and photo to cpsaging@gmail.com; orawan.pr@chula.ac.th

Application deadline: June 22, 2026. Decision notification: June 30, 2026.

1. Applicant Information

Title

Dr. Mr. Mrs. Ms.

Family name

Given name

Nationality

Date of birth (DD/MM/YYYY)

Sex / gender (as in passport)

Female Male

Current position / job title

Institutional affiliation

Institutional mailing address

Country of residence

Phone / WhatsApp

Email address

2. Funding, Fees, and Preferences

Source of funding

- Self-funded through current institution / affiliation
 Self-funded personally
 Sponsored by employer / organization

Other

Requested payment category

- Course fee only: €2,150
(€2,300 after July 15, 2026)

- Course fee + 25-night accommodation: €2,950
(€3,100 after July 15, 2026)

Dietary requirements

- Vegetarian Halal Gluten free

Other

Submission checklist

- Completed application form Completed questionnaire CV attached Photo

Applicant signature

Date

QUESTIONNAIRE FOR COURSE APPLICANTS

Self-assessment of prior knowledge to help tailor the 2026 workshop to participant needs

QUESTIONNAIRE

This questionnaire helps us estimate your level of knowledge in the areas covered by the course. Basic spreadsheet skills are expected. Please mark one box per row using the following scale: ++ = I know the subject well / I can apply it; + = I have heard about it but have not applied it myself; - = I have only a vague idea; -- = I have no idea.

Subject, indicator, or function	++	+	-	--
1. Demographic methods and applications				
1.1 Age-specific mortality, fertility, and migration rates	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
1.2 Life tables and mortality analysis	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
1.3 Stable population theory and age-pattern models	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
1.4 Population projections (cohort-component method)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
1.5 Parameterized population projections	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
1.6 Educational population projections	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2. Data, software, and presentation skills				
2.1 Excel formulas and relative / absolute references	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2.2 Excel lookup functions (INDEX, MATCH, VLOOKUP, HLOOKUP)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2.3 Charts, graphical presentation, and pivot tables	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2.4 Visual Basic for Applications (VBA)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2.5 R for data transformation and basic analysis	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2.6 Smoothing and life-table work in R	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3. General analytical skills				
3.1 Linear interpolation	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3.2 Linear and non-linear regression	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3.3 Period-cohort transformations	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3.4 Using generative AI tools for coding or data analysis	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Additional notes (optional)

Please tell us any specific topics, software, or country examples you would especially like the workshop to address.

Please return this questionnaire together with the application form and your CV by email to cpsaging@gmail.com or orawan.pr@chula.ac.th.