30TH INTERNATIONAL POPULATION CONFERENCE

13–18 JULY 2025
BRISBANE, AUSTRALIA

Workshop: Workshop on Mining Migration Trajectories with R

Date and time: 12 July 2025, 10am-1pm
Location: The University of Queensland, Brisbane, Australia
Organisers: Aude Bernard – University of Queensland and Sergi Vidal – Universitat Autònoma de Barcelona

Description

There is an increasing interest in understanding a myriad of temporal processes, such as complex patterns of repeat and circular migration as part of individual life trajectories, or the overtime dynamics of migration stocks and flows across countries and regions. These circumstances create a demand for methods to efficiently examine regularities in time series and longitudinal migration data, one of which is sequence analysis.

This workshop will provide a concise introduction to sequence analysis, and showcase real-world applications using open-access data and the free software R. Upon completion, participants will be familiar with measures of migration trajectories, typical methods to identify regularities in trajectory or sequence data, and efficient ways to describe and visualize migration trajectories using R.

The method will be taught assuming no prior knowledge. There are no prerequisites to attend this workshop, but working knowledge of the software R is desirable. Workshop materials (i.e. handouts and R code) will be made available to participants.

The instructor (Sergi Vidal) has expertise on migration and residential mobility research adopting longitudinal approaches, being the recipient of a Consolidator Grant award from the European Research Council to examine migration and mobility trajectories from early childhood intro adulthood (Lifelongmove project). He is the main instructor of the course Life course and sequence analysis in the European Doctoral School in Demography.

This workshop is organized on behalf of the International Union for the Scientific Study of Population (IUSSP) Scientific Panel on Lifetime Migration.

Course contents

1. Migration as a trajectory
2. Handling sequence data in the R environment
3. Representing and summarizing sequence data
4. Identifying patterns in sequence data

Registration

This course requires you to bring your own laptop.
To register, please provide your details here.