



The Berkeley Population Center at the University of California, Berkeley  
and the Center on the Economics and Demography of Aging present

## Workshop on Formal Demography

Special topic: fertility, including contemporary topics like Covid-19 and abortion policy.

June 5-9, 2023

To be held in person, UC Berkeley

### Instructors and Speakers

- **Joshua Goldstein**, Department of Demography, UC Berkeley
  - **Dennis Feehan**, Department of Demography, UC Berkeley
  - **Robert Chung**, Department of Demography, UC Berkeley
  - **Jenna Nobles**, Department of Sociology, U Wisconsin
  - **Tomas Sobotka**, Vienna Institute of Demography
  - **Allison Gemmill**, Johns Hopkins School of Public Health
  - **Leslie Root**, University of Colorado, Boulder
  - **James R. Carey**, UC Davis
- and others*

Join us for an educational program designed to train the next generation of population researchers in formal demography.

This hands-on, week-long program is funded by *Eunice Kennedy Shriver* National Institute of Child Health and Human Development (R25HD083136) and co-sponsored by the Berkeley Population Center and the Center on Economics and Demography of Aging. *The focus this year is on fertility, including contemporary topics like Covid-19 and abortion policy.*

*Curriculum:* We will use the fundamental tools of formal demography such as stable population theory and the mathematics of fertility, reproduction, and other demographic outcomes, to understand fertility dynamics and the implications of recent events like the Covid-19 pandemic and the Dobbs decision.

**Day 1** of the workshop will cover matrix population models and stable population theory, including growth and reproduction.

**Day 2** of the workshop will cover mortality modeling, focusing on the continuous representation of the life table with hazards.

**Day 3** of the workshop will feature applications and extensions of the formal models in Days 1 and 2, applying them to the tempo and quantum of fertility and the recovery of fertility and marriage after temporary shocks.

**Days 4 and 5** will feature guest speakers presenting new research in formal demography with a special emphasis on fertility research.



The workshop is designed for advanced graduate students, post-doctoral fellows, junior faculty, and others wanting to learn about new approaches to social and behavioral research. We will assume some experience with R. [The website below provides links to tutorials.] Pre-workshop exercises will be available to help all participants prepare for the course.

Application materials and more information about the program and formal demography can be found on the Workshop website:

<http://www.populationsciences.berkeley.edu/population-center/programs/formal-demography>. **Apply by March 24, 2023.** Grant support funds travel and lodging for accepted trainees.