Call for Applications: Introduction to Longitudinal Data Analysis for Social Sciences and Health Sciences Researchers
Dates: August 7-9, 2020
Venue: Institute for Population and Social Research, Mahidol University, Thailand

Workshop Overview: The Institute of Population and Social Research (IPSR) at Mahidol University, in collaboration with the University of Utah Asia Center, and generously supported by a Henry Luce Foundation grant to the Mekong Region Development Research Group, is organizing a 3-day intensive workshop on longitudinal data analysis for junior scholars in the social sciences. This interactive, hands-on workshop is intended to expand participants' knowledge and skills in utilizing a variety of statistical approaches for modeling longitudinal and clustered data. Applicants are expected to have a basic understanding of linear and logistic regression models; experience using Stata software is preferred.

Workshop Topics:
- Review of basic linear model, data analysis commands in Stata
- Characteristics & management of longitudinal data and other clustered data
- Fixed effects (FE) model – introduction, estimation and interpretation
- Random effects (RE) model – introduction, estimation and interpretation
- Demonstration and practice of FE & RE models with Stata
- Model selection, measurement error, endogeneity issues in longitudinal models
- Binary dependent variables
- Lab exercises using data supplied by instructors and participants

Instructors: The workshop will be co-taught by three instructors with extensive experience teaching longitudinal data analysis and applying these methods in their research. The workshop lead instructor is Professor Kathy Ford (Univ of Michigan, Emerita, Epidemiology, Population Studies Center, & SE Asian Studies Center). Dr. Ford will be assisted by Professors Megan Reynolds (Dept of Sociology, Univ of Utah) & Nathalie Williams (Dept of Sociology, Univ of Washington).

Logistics: Due to space limitations and instructor capacity, we are not able to accept more than 20 applicants to the workshop. We will prioritize applicants based on the fit of the workshop with applicants' articulated professional development goals and short-term plans to utilize longitudinal models in their future research. We will further prioritize applicants who are currently pursuing and advanced degree (MA, MS or PhD) in a social sciences or health sciences field or who have completed the MS/MA/PhD within the past five years. We will aim to select participants who collectively represent diversity across Southeast Asian geographic regions and institutional affiliations.

For applicants accepted to participate in the workshop, the MRDRG Luce Foundation grant will cover the costs of roundtrip airfare, visa preparation, hotel accommodation and meals for the duration of the workshop. Participants must commit to attending the full three-day workshop, which will begin at approximately 9:00 am on August 7 and wrap up at approximately 5:00 pm on August 9.

Application requirements: To apply, please submit your current CV and the completed application form to Mr. Bryce Garner (Bryce.garner@utah.edu) no later than **April 15, 2020**. We will notify applicants of their acceptance for participation no later than May 15, 2020.

Application for MRDRG Longitudinal Data Analysis Workshop, August 7-9, 2020
Mahidol University

Name: _____

Position: _____

Institution: _____

Email address: _____

What is your experience with linear and logistic regression analysis:

_____ I do not have experience learning or using linear or logistic regression analysis

_____ I have learned linear or logistic regression analysis in the classroom, but I do not use these skills regularly for my work/research

_____ I have learned linear or logistic regression analysis in the classroom, & I use these skills regularly for my work/research

Which statistical software packages are you able to use? (check all that apply):

_____ Stata

_____ Sas

_____ Spss

_____ R

_____ Other, specify: _____

Please describe your motivation for attending the workshop on longitudinal data analysis and describe your short-term research plans which involve longitudinal data analysis. Please be specific about your research and professional development plans.

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On the third day of the workshop, participants will be able to begin analysis of longitudinal data, either data they have access to and plan to use in their work, or data provided by the workshop leaders. Please describe any dataset that you would like to use in the longitudinal data analysis course, and the structure/features of the data. If you do not have data in mind for your own analyses, please let us know which types of research questions you hope to address using tools from the workshop.

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Finally, please confirm that you will be able to attend the entirety of the workshop, taking place from August 7-9.

_____   Yes, I am able to attend all three days

_____   I am uncertain about my ability to attend all three days

_____   I am only able to attend 2 days of workshop

_____   I am only able to attend 1 day of the workshop.