SCIENTIFIC PROGRAM

Quetelet 2023 Seminar
November 9-10, 2023 | Louvain-la-Neuve, Belgium

Unconventional Data Sources for Population Studies: Opportunities and Challenges

Thursday, November 9

8:45 - Registration

9:00 OPENING SPEECH – Bruno Schoumaker and Marc Zune

9:15-10:30 SESSION 1: MAKING NEW USE OF UNTAPPED DATA SOURCES (Chair: A. Menashe-Oren)

*Parish register microdata in Africa:
lessons learned from three experiments in comparing and combining sources*
Sarah Walters, Shane Doyle, Johannes Pöhlmann, and Sarah Rafferty

Statistics on violent causes of death from the 19th to the 21st century: challenges and contribution of the contemporary press
Audrey Plavsic

Estimating and analyzing historical infant mortality estimates using the colonial Senegalese civil registry
Dinos Sevdalakis, Hilde Bras, and Adrien Remund

10:30-10:45 COFFEE BREAK
10:45 – 12:15 SESSION 2: WEB SCRAPING AND ONLINE CROWDSOURCED DATA (Chair: D. Musni)

Obituaries as an alternative source of data
Pietro Violo and Nadine Ouellette

*Leveraging online crowdsourced genealogical data to measure fertility
during the historical period 1751-1900: evidence from Europe*
Riccardo Omenti

*Researching buying medication abortion drugs online via a mystery client study design:
A study being conducted in Colombia*
Daniel Arango Arango, Ann M. Moore, Ava Braccia, and Maria Vivas

Shared housing and immigrant population in Barcelona: a spatial analysis using web scraping
Carolina Orozco-Martínez, Jordi Bayona-i-Carrasco and Fernando Gil-Alonso

12:15-13:45 LUNCH

13:45-15:00 SESSION 3: INNOVATIVE SAMPLE DESIGNS AND CALCULATIONS (Chair: M. Vergeles)

A new approach to collecting data from a respondent-driven sample
Casey F. Breen and Dennis M. Feehan

Using Respondent-Driven Sampling to measure abortion safety in restrictive contexts: results from the Kaya (Burkina Faso) and Nairobi (Kenya) Health and Demographic Surveillance Systems
Moussa L. Zan, Onikepe Owolabi, Adama Baguiya, Clement Oduor, Martin Bangha, Caron Kim, Clémentine Rossier, and the N-MAS team

Combining microsimulations and census data to evaluate sample size requirements of parental survival histories
Bruno Masquelier, Ashira Menashe-Oren, Benjamin Samuel-Schlüter, Atoumane Fall, and Stéphane Helleringer

15:00-15:15 COFFEE BREAK

15:15 – 16:45 SESSION 4: MOBILE PHONE SURVEYS FOR MEASURING MORTALITY DURING THE COVID-19 PANDEMIC (Chair: G. Reniers)

Mobile phone survey estimates of perinatal mortality in Malawi
Julio Romero Pierto and colleagues from the RAMMPS consortium

Estimating adult and old age mortality during the period preceding and throughout the COVID-19 outbreak in Malawi: Findings from a mobile phone survey
Monica Jamali-Phiri and colleagues from the RAMMPS consortium

The use of mobile phone surveys for rapid mortality monitoring: a national study in Burkina Faso
Kassoum Dianou and colleagues from the RAMMPS consortium

Pandemic excess deaths in rural Bihar: Evidence from the Bihar Mortality Assessment Phone Survey 2022
Vipul Paikra, Apurva Bamezai, Murad Banaji, Payal Hathi, Aditi Priya, MR Sharan, Kanika Sharma, Chanchal Kumar Singh, Harsha Thirumurthy, Sangita Vyas, and Aashish Gupta

16:45-17:30 KEYNOTE SPEECH BY RIDHI KASHYAP
The Digital Revolution and Demography: Perspectives from Digital and Computational Demography

17:30-19:30 DRINK

Friday, November 10

9:00 – 10:30 SESSION 5: ADDRESSING SELECTIVITY OF RESPONDENTS IN MOBILE PHONE SURVEYS (Chair: Ph. Bocquier)

Interactive voice response surveys (IVRs) as a method for increasing representativeness of rural respondents in mobile phone surveys: findings from Malawi
Malebogo Tlhajoane and colleagues from the RAMMPS consortium

Feasibility and Validity of Rapid Mortality Mobile Phone Surveys to Estimate stillbirths and neonatal deaths in rural Bangladesh using a closest confidant methodology
Lena Kan and colleagues from the RAMMPS consortium

Selection Bias in Adult Mortality Measurement Through Mobile Phone Surveys in Low- and Middle-income Countries
Sahar Ahmed

Rapidly implemented Covid-19 telephone survey in urban and rural Malawi using 3 sampling strategies
Estelle McLean, Andrew Matchado, Jullita Kenala Malava, Cynthia Katundu, Veronica Malabwe, and Robert Stewart

10:30-10:45 COFFEE BREAK

10:45 – 12:00 SESSION 6: INTEGRATING DEMOGRAPHIC AND SPATIAL DATA (Chair: C. Linard)

Examining the potential of residential land use in the production of large-scale and improved gridded population maps
Assane Niang Gadiaga, Ortis Yankey, Chris Nnanatu, Thomas Abott, Heather Chamberlain, Attila Lazar, and Andy Tatem

Building the Link: Examining the Role of Infrastructure Exposure to Erosion in Climate Migration Outcomes in Alaska
Jessica A. Miller

Using physical trace measures and georeferenced pictures to understand love hotels in Lima: How I learnt to believe in the trash and not in Google Maps
Ignacio Franco Vega

12:00-13:45 LUNCH

13:45 – 15:00 SESSION 7: SOCIAL MEDIA IN DEMOGRAPHIC AND SOCIOLOGICAL RESEARCH (Chair: A. Rees)

Monitoring internal migration flows using origin–destination data based on Twitter user profile locations
Long Nguyen

A Comparative Analysis of Digital Public Discourse on China's Population Policies:
A Case Study of Sina Weibo and Twitter
Yao Li

Gender differences in online visibility of early-career researchers: Are men more likely to gain mentions on Twitter and benefit more?
Xinyi Zhao

Building a dynamic social vulnerability index using Facebook data
Sebastien Dujardin

15:00-15:15 COFFEE BREAK

15:15 – 16:45 SESSION 8: UNCONVENTIONAL DATA FOR STUDYING COMPLEX EMERGENCIES AND CLIMATE CHANGE (Chair: B. Masquelier)

Let's look at temporality in adaptation research!
Collecting data through structured timeline mapping during interviews
Jelena Luyts, Nathalie Burnay, Etienne Piguet, Issa Mballo, Florence De Longueville, and Sabine Henry

How many call attempts? Assessing and elaborating on response rates of phone surveys among
Forcibly Displaced Populations in Mozambique with statistical evidence
Ilgi Bozdag and Hyunju Park

Estimating death rates in complex humanitarian emergencies using the network survival method
Casey F. Breen and Dennis M. Feehan

Subnational population projections for humanitarian response in Ukraine:
integration and cross-validation of traditional and non-traditional sources
Romesh Silva, Mallika Snyder, Mansuk Daniel Han, Volodymyr Sariogolo, and Ella Libanova

16:45-17:00 CLOSING AND PRESENTATION OF THE QUETELET JOURNAL (Ph. Bocquier)