

Welcome to the Workshop on
**Demographic Research in the
Digital Age**

Organized by:

Emilio Zagheni, Francesco Billari, Guy Abel

IUSSP Panel on Big Data and Population Processes

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Bogdan State



Emilio Zagheni



Francesco Billari



Emmanuel Letouze



Guy Abel



Melinda Mills



Cassio Turra



Mary Ellen Zuppan (IUSSP)



Ingmar Weber



Tom Le Grand



Paul Monet
(IUSSP Secretariat)

Information, materials and code for past and current activities available at:
www.bit.ly/iussp-bigdata

Wifi access for today's workshop

Network: Sheraton Meeting Room

Access Code: iussp2018

Setting up your laptop before the tutorial starts

- We'll be using R for the tutorial; if you do not already have Rstudio on your computer, please install it; it is freely available to researchers, and can be found here:

<https://www.rstudio.com/products/rstudio/download/#download>

- Once you have installed RStudio, there are two specific packages that you should install. To install them, be sure your computer is connected to the internet; then open up RStudio and type the following two commands at the R command prompt:

```
devtools::install_github('dfeehan/networkreporting')  
install.packages('ggrepel')
```

Program – Part I

(1pm) – **Welcome and Introductions**

Emilio Zagheni (U. of Washington and MPIDR)

PART I - Demographic and Network-based models

(1:15-2:45pm)

Keynote Presentation – **Dennis Feehan** (UC Berkeley)

- Estimating Internet Adoption around the World using a Sample of Facebook Users

Tutorial – **Dennis Feehan** (UC Berkeley)

- Getting started with network methods for estimation of demographic quantities

(2:45pm Break)

PART II – Contributed papers

(3-4pm) - **Session 1 – Chair: Guy Abel (ADRI and Wittgenstein Centre)**

- Citizen science for demography: new techniques for digital data collection
Evan Roberts (U. of Minnesota)
- What can Facebook Advertising Data Tell Us about Male Fertility Rates?
Francesco Rampazzo (U. of Southampton); Francesco Billari (Bocconi University);
Maria Rita Testa (Wittgenstein Center); Ingmar Weber (QCRI); Emilio Zagheni (U. of
Washington and MPIDR)
- Extending the Demography of Sexuality with Digital Trace Data
Connor Gilroy (U. of Washington); Ridhi Kashyap (U. of Oxford)

(4-5pm) - **Session 2 – Chair: Francesco Billari (Bocconi University)**

- Automatically assembling a full census of an academic field
Allison Morgan (U. of Colorado, Boulder); Samuel Way (U. of Colorado, Boulder);
Aaron Clauset (U. of Colorado, Boulder)
- Regularities in Patterns of Human Population Movement at Different Time Scales
Lee Fiorio (U. of Washington); Emilio Zagheni (U. of Washington and MPIDR); Guy
Abel (ADRI and Wittgenstein Centre); Johnathan Hill (U. of Washington); Gabriel
Pestre (Data-Pop Alliance); Emmanuel Letouze (Data-Pop Alliance); Jixuan Cai (The
Chinese University of Hong Kong)
- Demographic Variation in Pickup Lines (and their Probabilities of Success)
Jeffrey Lockhart (U. of Michigan); Elizabeth Bruch (U. of Michigan)

Coming up: Workshop on Online Data for Population Research

Speakers (confirmed)



© Ingmar Weber

Ingmar Weber is a senior scientist in the Social Computing group at the Qatar Computing Research Institute (QCRI). His interdisciplinary research uses large amounts of online data from social media and other sources to study human behavior at scale.

Particular topics of interest include studying lifestyle diseases and population health, quantifying international migration using digital methods, and looking at political polarization and extremism.



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Joshua Blumenstock is an Assistant Professor at the U.C. Berkeley School of Information, and the Director of the Data-Intensive Development Lab. His research lies at the intersection of machine learning and development economics, and focuses on using novel data and methods to better understand the causes and consequences of global poverty.

Dr. Blumenstock's research projects have spanned a variety of substantive topics from analyzing the response to armed conflict and natural disasters to mapping poverty using mobile phone data.

Thank you to IUSSP and the Max Planck Institute for Demographic Research for sponsoring the event.

- **When and where:** June 25, 2018 at Stanford University as part ICWSM.
- **Why:** Excellent forum for the advancement of the field
- **Organizers:** Lee Fiorio, Emilio Zagheni, Dennis Feehan, Afra Mashhadi and Bogdan State
- **Deadline** for submission: Today! (talk to us if you are interested)
- **More info:** www.bit.ly/OnIData

Do you have ideas for future activities or thoughts to share?

→ Come talk to Emilio, Francesco, Guy or Dennis