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## Diego Alburez-Gutierrez

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I am a social scientist specialising in inter-generational demography. My work has used mathematical modeling, micro-simulation techniques, and empirical analysis to explore changes in the experience of life events such as kin availability, family bereavement, and caring responsibilities across demographic regimes.

### EDUCATION

#### **The London School of Economics and Political Science, UK**

*PhD*, Demography and Population Studies

2014 - 2018

- Summary: Effects of mass violence and genocide on population dynamics.
- Data collection: Genealogical surveys and in-depth interviews (1 year fieldwork)
- Mixed methods research design:
  - Quantitative analysis: Descriptive demographic, regression and survival models, network analysis
  - Qualitative analysis: Thematic and framework analysis
- Supervisors: Arjan Gjonça, Tiziana Leone, Ernestina Coast, and Michael Murphy

*MSc*, Social Research Methods (Distinction)

2013-2014

Practical approach with emphasis on quantitative and qualitative data analysis

#### **Del Valle University, Guatemala**

*BA*, Anthropology (First class)

2008-2012

Thesis on evaluation methodologies for Conditional Cash Transfer Programmes

### AWARDS AND SCHOLARSHIPS

- 2019 [Otto Hahn Medal](#) (2020) awarded by the Max Planck Society for ‘outstanding achievement from the initial creative period of young scientists’, in particular ‘for methodological innovations for studying the long-term consequences of mass killings on local populations’
- LSE PhD Academy Prize (2018) awarded by the London School of Economics for research on state-sponsored massacres in Guatemala
- LSE PhD Studentship (2014-2018) awarded by the London School of Economics

### RESEARCH EXPERIENCE

#### **Max Planck Institute for Demographic Research (MPIDR), Germany**

*Research Scientist (post-doc) and Research Area Chair (Aging and Generational Processes)*, Lab of Digital and Computational Demography

Since 2018

Leading role in projects using innovative data and approaches to understand demographic change in the context of global population aging.

#### **United Nations High Commissioner for Refugees (UNHCR), Denmark**

*Statistics Team Intern*, Field Information and Coordination Support Section (FICSS)

2018

Central role in implementing UNHCR’s Demographic Projection Tool.

**The London School of Economics and Political Science, UK**

*Research Assistant*, Law Department 2017  
Leading qualitative research on low student satisfaction

*Research Assistant*, Social Policy Department 2016-2017  
Quantitative analysis of maternal and child health outcomes in Palestine

*Research Assistant*, Sociology Department 2014-2015  
Qualitative coding and analysis of methodological practices in sociology of work

*Research Assistant*, Methodology Department 2013-2014  
Survey of grey literature to identify common qualitative methods in International Development

**Public Opinion Program**, Universidad Rafael Landívar, Guatemala

*Lead researcher* 2013  
Designing and implementing qualitative research for the Media Monitoring Project

**The Population Council**, Guatemala

*Research Sub Coordinator* 2012  

- Design and implementation of qualitative research on conditional cash transfer programmes
- Led team of four ethnographers during six months of data collection in rural Guatemala

## TEACHING EXPERIENCE

**European Doctoral School of Demography (EDSD), Barcelona**

*Class Teacher* for course “Digital Demography” 2020  
Online due to COVID-19; materials and recorded lectures available [on GitHub](#)

**The London School of Economics and Political Science, UK**

*Class Teacher*, Social Policy Department 2016-2017  

- Leading seminars for the course “Introduction to Global Population Change”
- Weekly office hours, updated course website, homework and exam marking

*Class Teacher*, LSE Methods Summer School 2015  

- Leading seminars for the “Qualitative Research Methods” strand
- Homework and exam marking

**Del Valle University, Guatemala**

*Class teacher*, Anthropology and Sociology Department 2013  

- Leading seminars for the course “Advanced qualitative data analysis”
- Course design, wrote NVivo course pack (Spanish), homework and exam marking

*Class teacher*, Anthropology and Sociology Department 2011  
Leading seminars for the course “History of Anthropology 1”

## PUBLICATIONS IN PEER-REVIEWED JOURNALS

**Alburez-Gutierrez, D.**, Kolk, M., and Zagheni, E. (Forthcoming) “Women’s experience of child death: A global demographic perspective”. *Demography* (Accepted for publication). Temporary doi: [10.31235/osf.io/s69fz](https://doi.org/10.31235/osf.io/s69fz).

Nepomuceno, M., Acosta, E., **Alburez-Gutierrez, D.**, Aburto, J.M., Gagnon, A., and Turra, C. (2020). “Besides population age-structure, health and other demographic factors can contribute to understanding the COVID-19 burden.” *Proceedings of the National Academy of Sciences*, 117(25). doi:[10.1073/pnas.2008760117](https://doi.org/10.1073/pnas.2008760117).

**Alburez-Gutierrez, D.** (2019). Blood is thicker than bloodshed: A genealogical approach to reconstruct populations after armed conflicts. *Demographic Research*, 40(23): 627-656. doi:[10.4054/DemRes.2019.40.23](https://doi.org/10.4054/DemRes.2019.40.23).

Leone, T., **Alburez-Gutierrez, D.**, Gandour, R., Coast, E., and Giacaman, R. (2019). “Maternal and child access to care and intensity of conflict in the occupied Palestinian territory: a pseudo-longitudinal analysis (2000–2014).” *Conflict and Health* 13(36). doi:[10.1186/s13031-019-0220-2](https://doi.org/10.1186/s13031-019-0220-2).

**Alburez-Gutierrez, D.**, Chandrasekharan, E., Chunara, R., Gil-Clavel, S., Hannak, A., Interdonato, R., Joseph, K., Kalimeri, K., Malik, M., Mayer, K., Mejova, Y., Paolotti, D., and Zagheni, E. (2019). “Reports of the Workshops Held at the 2019 International AAAI Conference on Web and Social Media.” *AI Magazine*, 40(4), 78-82. doi:[10.1609/aimag.v40i4.5287](https://doi.org/10.1609/aimag.v40i4.5287).

McGovern, P., and **D. Alburez-Gutierrez.** (2017) “Who takes workplace case-study methods seriously? The influence of gender, academic rank and PhD training.” *Industrial Relations Journal* 48(2):98-114, doi:[10.1111/irj.12171](https://doi.org/10.1111/irj.12171).

## BOOK CHAPTERS

**Alburez-Gutierrez, D.**, S. Aref, S. Gil-Clavel, A. Grow, D.V. Negraia, E. Zagheni. (2019). “Demography in the Digital Era: New Data Sources for Population Research.” *Proceedings of the 2019 Conference of the Italian Statistical Society*. doi: [10.31235/osf.io/24jp7](https://doi.org/10.31235/osf.io/24jp7).

## TECHNICAL REPORTS

**Alburez-Gutierrez, D.** and Segura Garcia, C. (2018). “The UNHCR Demographic Projection Tool: estimating the future size and composition of forcibly displaced populations.” *UNHCR Statistics Technical Series: 2018/1*. Copenhagen: United Nations High Commissioner for Refugees.

## WORKING PAPERS AND PAPERS IN PROGRESS

Williams, I. and **Alburez-Gutierrez, D.** (2021). “Mortality Change and Its Impact on Child Survival.” *MPIDR Working Paper*. Rostock: Max Planck Institute for Demographic Research. doi:[10.4054/MPIDR-WP-2021-001](https://doi.org/10.4054/MPIDR-WP-2021-001).

**Alburez-Gutierrez, D.**, Mason, C., and Zagheni, E. (2020). “The ‘Sandwich Generation’ Revisited: Global Demographic Drivers of Care Time Demands.” *MPIDR Working Paper*. Rostock: Max Planck Institute for Demographic Research. doi:[10.4054/MPIDR-WP-2020-037](https://doi.org/10.4054/MPIDR-WP-2020-037).

Riffe, T., Acosta, E., Aburto, J. M., **Alburez-Gutierrez, D.**, et al. (2020) “COVERAGE-DB: a database of age-structured COVID-19 cases and deaths.” *MPIDR Working Paper*. Rostock: Max Planck Institute for Demographic Research. doi: [10.4054/MPIDR-WP-2020-032](https://doi.org/10.4054/MPIDR-WP-2020-032).

Basellini, U., **Alburez-Gutierrez, D.**, Del Fava, E., Perrotta, D., Bonetti, M., Camarda, C. and Zagheni, E. (2020). “Linking excess mortality to Google mobility data during the COVID-19 pandemic in England and Wales.” HAL Working Papers. doi: [10.31235/osf.io/75d6m](https://doi.org/10.31235/osf.io/75d6m).

**Alburez-Gutierrez, D.** (in progress). “The Demographic Drivers of Grief and Memory after a Mortality Crisis”.

Smith-Greenaway, E., **Alburez-Gutierrez, D.**, Zagheni, E. and Trinitapoli, J. (in progress) “Global Burden of Maternal Bereavement: A Worldwide Analysis of Maternal Cumulative Prevalence of Child Mortality.”

### INVITED PRESENTATIONS (SELECTED)

**Alburez-Gutierrez, D.** (08 Dec 2020, online due to Covid-19) “The ‘Sandwich Generation’ Revisited: Global Demographic Drivers of Care Time Demands.” Population and Health Research Group Seminar Series, St Andrews, Scotland (University of St Andrews).

**Alburez-Gutierrez, D.** (27 May 2020, postponed due to Covid-19 lockdown) “Die demografischen Auswirkungen von Massengewalt in Guatemala [The demographic consequences of Genocide in Guatemala].” Berlin, Germany (Ibero-American Institute).

**Alburez-Gutierrez, D.** (27 Nov 2019) “Women’s experience of child death: a global demographic perspective.” [ISER External Seminar](#), Colchester, UK (Institute for Social and Economic Research, University of Essex).

**Alburez-Gutierrez, D.** (23 May 2019) “The Demographic Foundations of the Lived Experience of Kin Death: A Genealogical Reconstruction.” [SUDA Demographic Colloquium Series](#), Stockholm, Sweden (Stockholm University).

**Alburez-Gutierrez, D.** (25 April 2019) “Ciencias Sociales Computacionales: Retos y oportunidades en la era digital [Computational Social Sciences: challenges and opportunities in the Digital Age]”. Guatemala City, Guatemala (Latin American Faculty of Social Sciences).

**Alburez-Gutierrez, D.** (8 February 2018) “Mass killings, family support, and survival: evidence from Guatemala.” [SUDA Demographic Colloquium Series](#), Stockholm, Sweden (Stockholm University).

### OUTREACH AND SCIENCE COMMUNICATION

- Academic video: ‘How Can We Quantify the Immediate and Lingering Impact of Genocide on Local Populations?’ ([Latest Thinking](#), Apr 2020)
- Opinion piece: ‘Coronavirus: a warning to Latin America and the Caribbean to dramatically increase COVID-19 testing’ ([The Conversation](#), UK, Apr 2020)
- Blog post: ‘Genocide is the tip of the iceberg: Reviewing the Guatemalan case’ ([LSE Human Rights Blog](#), Feb 2016)

### SKILLS

- Statistical programming: R (`base`, `tidyverse`, `data.table`, `parallel`, `shiny`), Stata, Excel
- Text processing and web:  $\text{\LaTeX}$ , MS Office, (r)markdown, HTML, JavaScript, Tesseract

- Other programming: Git, Python 3, SQL, Hadoop
- Demographic microsimulation: SOCSIM with applications in R
- Qualitative data analysis: NVivo, Atlas.ti
- Experience in qualitative, quantitative, and online data collection

## LANGUAGES

- International: **Spanish** (native), **English** (full professional C2), **German** (full professional C1), **Swedish** (beginner A1)
- Guatemalan/Mexican: **K'iche'** (full professional C1), **Achi** (full professional C1), **Kaqchikel** (professional B1), **Q'eqchi'** (limited working A2)

## ORGANISER OF INTERNATIONAL ACADEMIC EVENTS

- *Organiser and moderator:* [Panel Discussion on Digital and Computational Demography](#), IX Conference of the Latin American Association for Population Studies, Santiago, Chile (online) 2020
- *Organiser:* [Rostock Open Science Workshop](#), Max Planck Institute for Demographic Research (MPIDR), Rostock 2019
- *Organiser:* [Workshop on Demographic Research with Web and Social Media Data](#), 13<sup>th</sup> International AAAI Conference on Web and Social Media (ICWSM), Munich 2019

## SERVICE TO THE DISCIPLINE

- *Reviewer* for academic journals: Demography; Population and Development Review; Journal of Marriage and Family; PLOS ONE; Demographic Research; Revue Quetelet/Quetelet Journal; 11<sup>th</sup> International Conference on Social Informatics (SocInfo '19)
- *Organiser* of the 'Social Policy Qualitative Research Group', London School of Economics 2017-2018
- *President* of the 'Methodology Student Union', London School of Economics 2013-2014
- *President* of the 'Social Sciences Student Union', Del Valle University (Guatemala) 2011-2012

## PROFESSIONAL MEMBERSHIPS

- International Union for the Scientific Study of Population ([IUSSP](#))
- British Society for Population Studies ([BSPS](#))
- Population Association of America ([PAA](#))
- European Association for Population Studies ([EAPS](#))
- Latin American Association for Population Studies ([ALAP](#))
- Latin American Studies Association ([LASA](#))
- Households in Conflict Network ([HiCN](#))
- International Science, Technology, and Innovation Network of Guatemala ([REDCTI](#))