

June 3, 2022

## Diego Alburez-Gutiérrez

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demography · kinship · generational processes · bereavement · modelling · microsimulation

### EDUCATION

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

*PhD*, Demography and Population Studies

2014 - 2018

- Title: “Beyond excess mortality: the demographic life of a Mayan community after a war of massacres”
- Primary data collection: genealogical surveys and in-depth interviews (1 year fieldwork)
- 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

#### **Universidad del Valle, Guatemala**

*BA*, Anthropology (First class/Summa Cum Laude)

2008-2012

### AWARDS AND SCHOLARSHIPS

- Funding to establish the five-year *Independent Max Planck Research Group on Kinship Inequalities* (2022) awarded by the Max Planck Society.
- Otto Hahn Medal (2019) awarded by the Max Planck Society for ‘outstanding achievement from the initial creative period of young scientists’
- 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**

*Head*, Max Planck Independent Research Group on Kinship Inequalities

May 2022 - present

*Research Scientist (post-doc)*, Lab of Digital and Computational Demography

Jan 2019 - Apr 2022

*Research Area Chair*, Lab of Digital and Computational Demography

Sep 2019 - Sep 2021

Research-administrative role leading a group of four researchers in the ‘Aging and Generational Processes’ Research Area.

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

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

Mar - Jun 2018

Central role in implementing UNHCR’s Demographic Projection Tool.

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

*Research Assistant, Law Department*

Apr - Jul 2017

Leading qualitative research on low student satisfaction

*Research Assistant, Social Policy Department*

Mar 2016- Jun 2017

Quantitative analysis of maternal and child health outcomes in Palestine

*Research Assistant, Sociology Department*

Sep 2014 - Sep 2015

Qualitative coding and analysis of methodological practices in sociology of work

*Research Assistant, Methodology Department*

Oct 2013 - Jan 2014

Survey of grey literature to identify common qualitative methods in International Development

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

*Lead researcher*

Jul - Nov 2013

Designing and implementing qualitative research for the Media Monitoring Project

**The Population Council, Guatemala**

*Research Sub Coordinator*

Jan - Dec 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**

**International Max Planck Research School for Population, Health and Data Science (IMPRS-PHDS)**

*Class Teacher for course "Topics in Digital and Computational Demography"*

2020 - 2022

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

*Class Teacher for course "Digital Demography"*

2020 - 2022

**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"

*Class Teacher, LSE Methods Summer School*

2015

Leading seminars for the "Qualitative Research Methods" strand

**Del Valle University, Guatemala**

*Class teacher, Anthropology and Sociology Department*

2013

Leading seminars for the course "Advanced qualitative data analysis"

*Class teacher, Anthropology and Sociology Department*

2011

Leading seminars for the course "History of Anthropology 1"

## GRADUATE STUDENTS SUPERVISION

- Liliana Calderón. *Current PHDS mentor*. Max Planck Institute for Demographic Research and Stockholm University
- Michael Lachanski. *Current PHDS mentor*. Max Planck Institute for Demographic Research and University of Pennsylvania

## PUBLICATIONS

<sup>†</sup> Publications co-authored with graduate students

### PEER-REVIEWED PUBLICATIONS

<sup>†</sup> Snyder, M., **Alburez-Gutierrez, D.**, Williams, I., and Zagheni, E. (in press). “Estimates from 31 countries show the significant impact of COVID-19 excess mortality on the incidence of family bereavement.” *Proceedings of the National Academy of Sciences*. Preprint: [10.4054/MPIDR-WP-2022-010](https://doi.org/10.4054/MPIDR-WP-2022-010).

**Alburez-Gutierrez, D.** (2022). “The demographic drivers of grief and memory after genocide in Guatemala.” *Demography*. Advanced Publication. doi:[10.1215/00703370-9975747](https://doi.org/10.1215/00703370-9975747).

Stelter, R. and **Alburez-Gutierrez, D.** (2022). “Representativeness is crucial for inferring demographic processes from online genealogies: Evidence from lifespan dynamics.” *Proceedings of the National Academy of Sciences*. 119(10): e2120455119. doi:[10.1073/pnas.2120455119](https://doi.org/10.1073/pnas.2120455119).

Castro, A. and **Alburez-Gutierrez, D.** (2022). “North and South: Naming practices and the hidden dimension of global disparities in knowledge production.” *Proceedings of the National Academy of Sciences*. 119(10): e2119373119. doi:[10.1073/pnas.2119373119](https://doi.org/10.1073/pnas.2119373119).

**Alburez-Gutierrez, D.**, Mason, C., and Zagheni, E. (2021). “The ‘Sandwich Generation’ Revisited: Global Demographic Drivers of Care Time Demands.” *Population and Development Review*, 47(4): 997-1023. doi: [10.1111/padr.12436](https://doi.org/10.1111/padr.12436).

**Alburez-Gutierrez, D.**, Kolk, M., and Zagheni, E. (2021) “Women’s experience of child death: A global demographic perspective.” *Demography*, 58 (5): 1715–1735. doi: [10.1215/00703370-9420770](https://doi.org/10.1215/00703370-9420770).

Smith-Greenaway, E., **Alburez-Gutierrez, D.**, Trinitapoli, J., and Zagheni, E. (2021) “The Global Burden of Maternal Bereavement: Indicators of the Cumulative Prevalence of Child Loss.” *BMJ Global Health*, 6:e004837. doi: [bmjgh-2020-004837](https://doi.org/10.1136/bmjgh-2020-004837)

Martinez-Folgar, K., **Alburez-Gutierrez, D.**, Paniagua-Avila, A., Ramirez-Zea, M., Bilal, U. (2021). “Excess Mortality during the COVID-19 Pandemic in Guatemala”. *American Journal of Public Health*, 111(1): e1-e8. doi:[10.2105/AJPH.2021.306452](https://doi.org/10.2105/AJPH.2021.306452).

Basellini, U., **Alburez-Gutierrez, D.**, Del Fava, E., Perrotta, D., Bonetti, M., Camarda, C. and Zagheni, E. (2021). “Linking excess mortality to Google mobility data during the COVID-19 pandemic in England and Wales.” *SSM - Population Health*, 14. doi: [j.ssmph.2021.100799](https://doi.org/10.1016/j.ssmph.2021.100799).

Riffe, T., Acosta E., **Alburez-Gutierrez, D.**, the COVERAGE-DB team. (2021) “Data Resource Profile: COVERAGE-DB: a global demographic database of COVID-19 cases and deaths.” *International Journal of Epidemiology*, 50(2): 390-390f. doi: [10.1093/ije/dyab027](https://doi.org/10.1093/ije/dyab027).

**Alburez-Gutierrez, D.** (2021). “Vivir para contarla: un análisis demográfico de las masacres de Río Negro

en Guatemala (1980-1982) [Living to tell the tale: A demographic analysis of the Rio Negro massacres in Guatemala (1980-1982)].” *Análisis de la Realidad Nacional*, 208:91–104. ISSN:[2227-9113](#).

**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](#).

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](#).

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](#).

## **LETTERS**

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](#).

## **BOOK CHAPTERS AND CONFERENCE PROCEEDINGS**

Kashyap, R., Rinderknecht, R. G., Akbaritabar, A. **Alburez-Gutierrez, D.**, Gil-Clavel, S., Grow, A., et al. (forthcoming). “Digital and Computational Demography.” In J. Skopek (Ed.). *Research Handbook of Digital Sociology*. Preprint: doi:[10.31235/osf.io/7bvpt](#).

<sup>†</sup> Coimbra, C., **Alburez-Gutierrez, D.**, Nepomuceno, M. Theile, T. (2022) “Desaparecidos: characterizing the population of missing children using Twitter.” *Proceedings of the 14th International ACM Conference on Web Science in 2022 (WebSci’22)*. Preprint: [10.48550/arXiv.2205.03096](#).

**Alburez-Gutierrez, D.**, S. Aref, S. Gil-Clavel, A. Grow, D.V. Negraia, and 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](#).

## **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**

**Alburez-Gutierrez, D.**, Basellini, U., and Zagheni, E. (2022) “When do parents bury a child? Uncertainty of offspring loss across the demographic transition.” MPIDR Working Paper. Rostock: Max Planck Institute for Demographic Research. doi: [10.4054/MPIDR-WP-2022-016](#).

<sup>†</sup> Chong, M., **Alburez-Gutierrez, D.**, Del Fava, E., Alexander, M., and Zagheni, E. (2022). “Identifying and correcting bias in big crowd-sourced online genealogies.” MPIDR Working Paper. Rostock: Max Planck Institute for Demographic Research. doi: [10.4054/MPIDR-WP-2022-005](https://doi.org/10.4054/MPIDR-WP-2022-005).

**Alburez-Gutierrez, D.**, Barban, N., Caswell, H., Kolk, M., Margolis, R., Smith-Greenaway, E., Song, X., Verdery, A., and Zagheni, E. (unpublished). “Kinship Approaches in Demography: Review and Key Areas for Future Development.” Presented at the *2022 Annual Conference of the Population Association of America*.

<sup>†</sup> 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).

## SOFTWARE DEVELOPMENT

Williams, I., **Alburez-Gutierrez, D.**, Song, X., and H. Caswell. (2021). “DemoKin: An R package to implement matrix kinship models in stable and non-stable populations.” <https://github.com/IvanWilli/DemoKin>.

Theile, T., **Alburez-Gutierrez, D.**, et al. (2022). “rsoc: A multi-platform R package to run and analyse demographic microsimulations using SOCSIM.” <https://github.com/tomthe/rsoc>

## INVITED TALKS (SELECTED)

“North and South: Naming practices and the hidden dimension of global disparities in knowledge production.” [Summer Institute in Computational Social Science](#). Ota, Nigeria (21 June 2022).

“Kinequality: Studies at the intersection of demography, kinship, and inequality.” Minas Gerais, Brazil (Federal University of Minas Gerais [Cedeplar], 15 June 2022).

“Formal demography of kinship: theory and applications.” [Formal Demography Working Group](#) (25 February 2022, online, co-presentation with Hal Caswell) [[recording](#)] [[code](#)].

“Kinship inequalities and the persistence of memory after genocide.” [Center for Demography and Ecology](#), Wisconsin, USA (University of Wisconsin–Madison, 01 February 2022)

“The Demographic Drivers of Grief and Memory After Genocide in Guatemala.” [UW Seminar Series](#). Seattle, USA (University of Washington, 20 April 2021).

“Linking excess mortality to Google mobility data during the COVID-19 pandemic.” Mexico City, Mexico (El Colegio de Mexico, 16 April 2021).

“‘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, 08 Dec 2020).

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

“The Demographic Foundations of the Lived Experience of Kin Death: A Genealogical Reconstruction.” [SUDA Demographic Colloquium Series](#), Stockholm, Sweden (Stockholm University, 23 May 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, 25 April 2019).

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

## OUTREACH AND SCIENCE COMMUNICATION

- News magazine: “Generational overlap places a heavy burden on parents in the global South” (News magazine of the International Union for the Scientific Study of Population, [n-IUSSP](#), Jan 2022)
- News magazine: “Global trends in child loss: less and later” (News magazine of the International Union for the Scientific Study of Population, [n-IUSSP](#), Nov 2021)
- Podcast episode: “Demografía y la experiencia de muerte [Demography and the experience of death]” ([Divulga Podcast](#), [episode 31](#), May 2021)
- 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)

## ORGANISER OF INTERNATIONAL ACADEMIC EVENTS

- Coordinator of the [Seminar Series of the Lab of Digital and Computational Demography](#), Max Planck Institute for Demographic Research. 2020-2021
- *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

## PROFESSIONAL SERVICE

- *Associate Editor* for journal Demographic Research (Apr 2022 - Apr 2025)
- *Reviewer* for academic journals: Demography; Population and Development Review; Population Studies; European Journal of Population; Journal of Marriage and Family; Population Research and Policy Review; Social Forces; Demographic Research; Journal of Population Ageing; Revue Quetelet/Quetelet Journal; Genus; Journal of the Royal Society Interface; BMC Public Health; PLOS ONE; Scientific Reports; EPJ Data Science; Frontiers in Research Metrics and Analytics
- *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](#))
- Population Health and Armed Conflict Network (PHAAC)
- International Science, Technology, and Innovation Network of Guatemala ([REDCTI](#))

## 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: **K'iche'** (full professional C1), **Achi** (full professional C1), **Kaqchikel** (professional B1), **Q'eqchi'** (limited working A2)