

Juan Armando Torres Munguía

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Education

Georg-August-Universität Göttingen

PH.D. APPLIED STATISTICS AND EMPIRICAL METHODS

Göttingen, Germany

22/03/2023

- **Dissertation:** "Essays on structured additive regression models with applications in development economics" (*Summa cum laude*)
- **Committee:** Prof. Inmaculada Martínez-Zarzoso, Prof. Konstantin Wacker, and Prof. Thomas Kneib.
- **Examination date:** 20/12/2022.

Instituto Tecnológico y de Estudios Superiores de Monterrey (ITESM)

MASTER IN APPLIED STATISTICS

Monterrey, Mexico

29/05/2013

- **Research project:** "Comparison of imputation methods for handling missing income data and their impact on poverty"

Universidad Autónoma de Coahuila (UAdeC)

BACHELOR OF ECONOMICS

Saltillo, Mexico

22/09/2010

- **Research project:** "Determinants of migrant's remittances" (With distinction)

Professional experience

United Nations Institute for Disarmament Research (UNIDIR), Managing Exits from Armed Conflict (MEAC)

RESEARCHER (CONSULTANT)

Home based

16/05/2022 - 31/12/2023

Georg-August-Universität Göttingen, Ibero-America Institute for Economic Research

RESEARCH ASSISTANT

Göttingen, Germany

01/10/2016 - 31/12/2022

International Organization for Migration (IOM), Regional Office for Central America, North America and the Caribbean.

DATA ANALYST

08/02/2021 - 07/05/2021

United Nations Entity for Gender Equality and the Empowerment of Women (UN Women), Global Center of Excellence for Gender Statistics

STATISTICAL CONSULTANT

16/11/2018 - 30/06/2019

United Nations Office on Drugs and Crime (UNODC), Center of Excellence in Statistical Information on Government, Crime, Victimization and Justice

STATISTICIAN

Mexico City, Mexico

06/03/2014 - 06/03/2016

Peer-reviewed publications

1. Torres Munguía, J. (2024). Identifying gender-specific risk factors for income poverty across poverty levels in urban mexico: A model-based boosting approach. *Social Sciences*, 13(3), 159. <https://doi.org/10.3390/socsci13030159>
2. Torres Munguía, J. A. (2024). An analysis of the risk factors for intimate partner sexual violence against women and girls in mexico. *Journal of Gender-Based Violence*, (published online ahead of print 2024). <https://doi.org/10.1332/23986808Y2024D000000031>
3. Torres Munguía, J. A. (2024). A model-based boosting approach to risk factors for physical intimate partner violence against women and girls in mexico. *Journal of Computational Social Science*. <https://doi.org/10.1007/s42001-024-00292-5>
4. Torres Munguía, J. A., Badarau, F. C., Díaz Pavez, L. R., Martínez-Zarzoso, I., & Wacker, K. M. (2022). A global dataset of pandemic- and epidemic-prone disease outbreaks. *Scientific Data*, 9(1), 683. <https://doi.org/10.1038/s41597-022-01797-2>
5. Torres Munguía, J. A., & Martínez-Zarzoso, I. (2022). Determinants of emotional intimate partner violence against women and girls with children in mexican households: An ecological framework. *Journal of Interpersonal Violence*, 37(23-24), NP22704-NP22731. <https://doi.org/10.1177/08862605211072179>
6. Torres Munguía, J. A., & Martínez-Zarzoso, I. (2021). Examining gender inequalities in factors associated with income poverty in mexican rural households. *PloS One*, 16(11), e0259187. <https://doi.org/10.1371/journal.pone.0259187>
7. Torres Munguía, J. A. (2014). Comparison of imputation methods for handling missing categorical data with univariate pattern. *Revista de Métodos Cuantitativos Para La Economía y La Empresa*, 17, 101-120. <https://doi.org/10.46661/revmetodoscuanteconempresa.2196>

Working papers

1. Torres Munguía, J. A., Hesselman, M., Martínez-Zarzoso, I., & Ruysen, I. (2024). Mapping energy poverty measures during the COVID-19 pandemic: A new global panel dataset. *International Network for Economic Research*, 2024.04, 13. <https://infer-research.eu/publication/mapping-energy-poverty-measures-during-the-covid-19-pandemic-a-new-global-panel-dataset/>
2. Kleffmann, J., Batault, F., Torres Munguía, J. A., O'Neil, S., Althuis, J., Shakur, M. R., Hallahan, A., Salama, H., & Coulibaly, M. (2023). Factors driving weapons holding in the north east of nigeria. *Managing Exits from Armed Conflict (MEAC) - United Nations Institute for Disarmament Research Findings Report*, 33. <https://doi.org/10.37559/MEAC/23/11>
3. Parry, J., Khoshnaw, Y. K., O'Neil, S., & Torres Munguía, J. A. (2023). Coming home: The return and reintegration of families with perceived ISIL affiliation in iraq. *Managing Exits from Armed Conflict (MEAC) - United Nations Institute for Disarmament Research Findings Report*, 28. <https://doi.org/10.37559/MEAC/23/02>
4. Punton, N., Torres Munguía, J. A., van Broeckhoven, K., O'Neil, S., Bukar, M., Yetcha Ajimi Badu, F., Madhuraj, A., & Ali, S. (2022). Child recruitment in the lake chad basin. *Managing Exits from Armed Conflict (MEAC) - United Nations University Findings Report*, 22. <https://unidir.org/publication/child-recruitment-in-the-lake-chad-basin-findings-report-22/>
5. Parry, J., Khoshnaw, Y. K., O'Neil, S., Torres Munguía, J. A., & Genat, M. (2022). The road from al hol camp: Reflections on the iraqi experience. *Managing Exits from Armed Conflict (MEAC) - United Nations University Findings Report*, 24. <https://unidir.org/publication/the-road-home-from-al-hol-camp-reflections-on-the-iraqi-experience-findings-report-24/>
6. Torres Munguía, J. A., & Martínez-Zarzoso, I. (2020). What determines poverty in mexico?: A quantile regression approach. *Diskussionsbeiträge Des Ibero-America Institute for Economic Research (IAI) - Georg-August-Universität Göttingen*, 246. <https://www.econstor.eu/handle/10419/217231>
7. Torres Munguía, J. A., & Martínez-Zarzoso, I. (2018). What is behind homicide gender gaps in mexico? A spatial semiparametric approach. *Diskussionsbeiträge Des Ibero-America Institute for Economic Research (IAI) - Georg-August-Universität Göttingen*, 236. <https://www.econstor.eu/handle/10419/178674>
8. Vilalta Perdomo, C. J., Castillo, J. G., & Torres Munguía, J. A. (2016). Violent crime in latin american cities. *Inter-American Development Bank Discussion Paper*, 474. <https://publications.iadb.org/en/violent-crime-latin-american-cities>

Conferences and talks (selected)

A global dataset of pandemic- and epidemic-prone disease outbreaks (Click here for slides)

Potchefstroom, South Africa

EM-DAT INTERNATIONAL DISASTER DATABASE. SCIENTIFIC AND TECHNICAL ADVISORY GROUP (STAG) MEETING, CENTRE FOR RESEARCH ON THE EPIDEMIOLOGY OF DISASTERS (CRED) AND THE UNITED STATES AGENCY FOR INTERNATIONAL DEVELOPMENT (USAID)

2024-03-18

The Prospects for Remote Assessment: A Comparison of Phone vs In-Person Interviews in Nigeria

New York, USA

MEAC EVIDENCE AND LEARNING CONFERENCE, UNIDIR

2023-03-27

Identifying gender-specific factors for income poverty across poverty levels in urban and rural Mexico: A model-based boosting approach

Göttingen, Germany

2021 FALL SCHOOL, CENTER FOR STATISTICS OF THE UNIVERSITY OF GÖTTINGEN

2021-10-13

What is behind homicide gender gaps in Mexico? A spatial semiparametric approach

Strasbourg, France

EUROPEAN CONACYT SYMPOSIUM OF SCHOLARSHIP HOLDERS, CONACYT AND THE EUROPEAN PARLIAMENT IN STRASBOURG

2020-04-08

Identifying gender-specic risk factors for income poverty in urban Mexican households

Göttingen, Germany

2020 FALL SCHOOL, CENTER FOR STATISTICS OF THE UNIVERSITY OF GÖTTINGEN

2020-10-02

Other research affiliations

Member of the Scientific and Technical Advisory Group (STAG) of the Emergency Events Database (EM-DAT) project

A PROJECT OF THE CENTRE FOR RESEARCH ON THE EPIDEMIOLOGY OF DISASTERS (CRED) AND THE UNITED STATES AGENCY FOR INTERNATIONAL DEVELOPMENT (USAID)

Research stays

Awards & funding

FINALIST FOR THE 2023 FALLING WALLS SCIENCE BREAKTHROUGHS, CATEGORY SCIENCE AND INNOVATION MANAGEMENT

June 2023

- Project "A global dataset of pandemic- and epidemic-prone disease outbreaks"

ENLIGHT INITIATIVE

13/07/2023 - 13/08/2023

- Research visit to University of Bordeaux

ENLIGHT OPEN SCIENCE AWARD 2023

April 2023

- Project "Enhancing knowledge on pandemics"

GÖTTINGEN GRADUATE SCHOOL OF SOCIAL SCIENCES

01/10/2020 - 31/03/2021

- Emergency grant

NATIONAL COUNCIL ON SCIENCE AND TECHNOLOGY (CONACYT) AND GERMAN ACADEMIC EXCHANGE SERVICE (DAAD)

01/10/2016 - 30/09/2020

- PhD studies

NATIONAL COUNCIL ON SCIENCE AND TECHNOLOGY (CONACYT)

01/08/2011 - 30/05/2013

- Master studies in a program of excellence

Skills

LANGUAGES

- Spanish (mother tongue), English (C1), German (C1), Italian (B2), French (B1), Portuguese (A2)

SOFTWARE AND PROGRAMMING SKILLS

- R, Rmarkdown, Github, LaTeX