

# Juan Armando TORRES MUNGUÍA

---

✉ ja.torresmunguia@gmail.com

EDUCATION	<p><b>PhD in Applied Statistics and Empirical Methods.</b> October, 2016 - Currently <i>Georg-August-Universität Göttingen.</i> Research project: "Essays on boosting structured geoaddivitive models applied to high-dimensional data in development economics".</p> <p><b>Master in Applied Statistics.</b> August, 2011 - May 2013 <i>Instituto Tecnológico y de Estudios Superiores de Monterrey (ITESM).</i> Research project: "Comparison of imputation methods for handling missing income data and their impact on poverty".</p> <p><b>Bachelor of Economics.</b> August, 2004 - January, 2009 <i>Universidad Autónoma de Coahuila (UAdeC).</i> Research project: "Determinants of migrant's remittances" (With distinction).</p>
PROFESSIONAL EXPERIENCE	<p><b>Consultant.</b> December, 2018 - June, 2019 <i>United Nations Entity for Gender Equality and the Empowerment of Women (UN Women)</i> Global Center of Excellence for Gender Statistics.</p> <p><b>Statistician.</b> March, 2014 - March, 2016 <i>United Nations Office on Drugs and Crime (UNODC) in Mexico City, Mexico.</i> Center of Excellence in Statistical Information on Government, Crime, Victimization and Justice.</p> <p><b>Research assistant.</b> August, 2011 - July, 2013 <i>ITESM in Monterrey, Mexico.</i> School of Government and Public Transformation (EGAP).</p>
PROGRAMMING SKILLS	<p>Advanced use of R. Intermediate use of L<sup>A</sup>T<sub>E</sub>X.</p>
LANGUAGES	<p><b>Spanish:</b> Mother tongue. <b>English:</b> C1. <b>German:</b> C1.</p> <p><b>Italian:</b> B2. <b>French:</b> B1.</p>
COURSES AND SEMINARS	<p><b>Methods to Measure, Analyze, and Understand Poverty around the World.</b> Organized as part of the activities of the Week of Methods by the Göttingen Graduate School of Social Sciences (GGG) of the Georg-August-Universität-Göttingen. July 20-23, 2020.</p> <p><b>Data visualization – the art/skill cocktail.</b> Organized by Max Planck Institute for Demographic Research (MPIDR). July 13-17, 2020.</p> <p><b>Summer School on Data Science.</b> Organized by the Institute of Computer Science, Göttingen International, the Göttingen eResearch Alliance and the University Medical Centre. August 05-16, 2019.</p> <p><b>The Joy of P-Splines.</b> Organized by the Centre for Statistics of the Georg-August-Universität-Göttingen. July 19, 2019.</p> <p><b>Developing Dashboards with R and Shiny.</b> Organized by the Centre for Statistics of the Georg-August-Universität-Göttingen. October 19, 2017.</p> <p><b>Land Management Tools for Land Market Analysis.</b> Organized by the Lincoln Institute of Land Policy. May, 2010.</p> <p><b>International seminar Result-based public management and evaluation of public programs.</b> Organized by ECLAC. April 19-30, 2010.</p>

PEER-  
REVIEWED  
PUBLICATIONS

**Torres Munguía, J.A.**; Martínez-Zarzoso, I. (2020) "Identifying gender-specific factors for income poverty across poverty levels in urban and rural Mexico: A model-based boosting approach". Under review.

**Torres Munguía, J.A.**; Martínez-Zarzoso, I. (2020) "What Determines Poverty in Mexico? A Quantile Regression Approach". Ibero-Amerika Institut für Wirtschaftsforschung, Georg-August-Universität Göttingen. Discussion Paper 246.

**Torres Munguía, J.A.** (2018) "What is behind homicide gender gaps in Mexico? A spatial semiparametric approach". Ibero-Amerika Institut für Wirtschaftsforschung, Georg-August-Universität Göttingen. Discussion Paper 236.

Vilalta Perdomo, Carlos J.; Castillo, José G.; **Torres Munguía, J.A.** (2016) "Violent Crime in Latin American Cities". Inter-American Development Bank. Discussion paper IDB-DP-474.

**Torres Munguía, J.A.** (2014) "Comparison of Imputation Methods for Handling Missing Categorical Data with Univariate Pattern". Journal of Quantitative Methods for Economics and Business Administration. Vol 17, pp. 101-120. ISSN: 1886-516X. D.L: SE-2927-06.

**Torres Munguía, J.A.**; S.H. Castillo; y, J.C. de la Rosa. (2014) "A taxonomy of Mexican States according to their social deprivations: an agglomerative hierarchical clustering approach". Revista Equilibrio Económico. Vol. 10 (1) No. 37, pp. 7-42. ISSN: 2007-2627.

OTHER  
SEARCH ACTIVITIES

RE- Reviewer in the peer-review process for the Latin American Policy (LAP) Journal.