

Mathew E Hauer

Curriculum Vitae

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EDUCATION

- 2016 Ph.D. Geography University of Georgia
“Ripple Effect: How Sea Level Rise Induced Migration Will Reshape the U.S. Population Landscape”
- 2008 M.S. Demography Florida State University
“The Decomposition of Period and Cohort Life Tables”
- 2007 B.S. Sociology Florida State University
- 2007 B.S. Social Sciences Florida State University

POSITIONS

- 2018 - Assistant Professor, Department of Sociology Florida State University
- 2018 - Research Affiliate, Center for Demography and Pop. Health Florida State University
- 2013 - 2018 Public Service Associate CVIOG, University of Georgia
- 2011 - 2018 Director, Applied Demography Program CVIOG, University of Georgia
- 2009 - 2013 Public Service Assistant CVIOG, University of Georgia
- 2009 - 2009 Survey Statistician US Census Bureau, Atlanta
- 2008 - 2008 Statistician US Census Bureau, Washington DC

HONORS AND AWARDS

- 2018 E. Walter Terrie Award, Southern Demographic Association.
- 2017 Excellence in Research Award, University of Georgia Graduate School.
- 2016 Excalibur Award, Technology Association of Georgia.
Top Honors, Georgia Technology Authority.
Policy Communications Fellow, Population Reference Bureau.
- 2015 Top 30 Under 30 Young Alumni, Florida State University.
Best Poster Award, South East Climate Consortium.
- 2014 E. Walter Terrie Award, Southern Demographic Association.
- 2013 Delta Epsilon Iota Honor Society.

PUBLICATIONS

*Student or Post-Doc.

22. **Hauer M.** & Santos-Lozada, AR. “Differential Privacy in the 2020 Census distorts COVID-19 mortality rates.” *Socius*.
21. Bell, A., Wrathall, D., Mueller, V., Chen, J., Oppenheimer, M., **Hauer, M.**, Adams, H., Kulp, S., Clark, P., Fussell, E., Magliocca, N., Xiao, T., Gilmore, E., Abel, K., Call, M., Slangen, A. “Simulated migrants move toward vulnerable coastlines in Bangladesh under all sea-level change scenarios through 2100.” *Environmental Research Letters*.
20. Landon, CM, Lyles RH, Scrovronick, NC, Abadi, AM, Bilotta R, **Hauer, M.**, Bell, JE, Gribble, MO. (2020). “Mixed-effects negative binomial regression with interval censoring: a simulation study and application to aridity and all-cause mortality among black South Africans over 1997-2013.” Forthcoming in Springer Statistics and Biostatistics.

19. **Hauer M.** & Santos A. (2020). “Inaction on climate change projected to reduce European life expectancy.” *Population Research and Policy Review* *Population Research and Policy Review*.
18. Keenan, J. M. & **Hauer, M.** (2020). “Resilience for whom? Demographic change and the re-development of the built environment in Puerto Rico.” *Environmental Research Letters*: 15(7): 074028.
17. **Hauer, M.**, Holloway, S., & Oda, T. (2020). “Evacuees and Migrants Exhibit Different Migration Systems after the Great East Japan Earthquake and Tsunami.” *Demography* 57: 1437-1457.
16. **Hauer, M.** & Schmertmann, C. (2020). “Population pyramids yield accurate estimates of total fertility rates.” *Demography* 57: 221-241.
15. **Hauer M.**, Fussell B., Burkett M., Call M.*, Abel K.*, Mueller V., McLeman R., Wrathall D. (2019). “Sea Level Rise and Human Migration.” *Nature Reviews Earth & Environment* 1-12.
14. Wrathall D., Mueller V., Clark P., Oppenheimer M., **Hauer M.**, et al. (2019). “Meeting the looming challenge of future migration from global sea level change.” *Nature Climate Change* 9(12): 898-901.
13. **Hauer, M.**, Byars J*. (2019). “IRS County-to-County Migration Data, 1990-2010.” *Demographic Research* 40: 1153-1166.
12. **Hauer, M.** (2019). “Population projections for US counties by age, sex, and race controlled to shared socioeconomic pathway.” *Scientific Data* 6.
* Winner of the 2018 E. Walter Terrie Award from the Southern Demographic Association.
11. **Hauer, M.** (2019). “Sociology, Demography, and Economics Presidential Ages and Sex over Time.” *Socius* 5.
10. **Hauer, M.**, Hardy, R.D.*, Mishra, D., and Pippin, J.S. (2019). “No landward movement: examining 80 years of population migration and shoreline change in Louisiana.” *Population and Environment* 40(4): 369-387.
9. Schmertmann, C., and **Hauer, M.** (2018). “Bayesian estimation of total fertility from a population’s age-sex structure.” *Statistical Modelling* 19(3): 225-247.
8. Hardy, R. D.*, and **Hauer, M.** (2018). “Social vulnerability projections improve sea-level rise risk assessments.” *Applied Geographer* 91: 10-20.
7. Shannon, S. and **Hauer, M.** (2018). “A life table approach to estimating disproportionate minority contact in the juvenile justice system.” *Justice Quarterly* 35(2): 330-355.
6. Shannon, J., **Hauer, M.**, Shannon, S., and Weaver, A. (2018). “The Suburbanization of Food Insecurity: An Analysis of Projected Trends in the Atlanta Metropolitan Area.” *Professional Geographer* 70(1): 84-93.
5. **Hauer, M.** (2017). “Migration induced by sea-level rise could reshape the United States population landscape.” *Nature Climate Change* 7(5): 321-325.
* Featured in **over 85 national and international news outlets.**
* The 128th most discussed article out of 270,000+ articles published in 2017 according to [Altmetric](#).

4. **Hauer, M.**, Evans, J., and Mishra, D. (2016). “Millions projected to be at risk from sea-level rise in the continental United States.” *Nature Climate Change* 6(7): 691-695.
 * Winner of the 2014 E. Walter Terrie Award from the Southern Demographic Association.
 * Featured in **over 270 national and international news outlets**.
 * The 4th most discussed article published in *Nature Climate Change* in 2016 according to [Altmetric](#).
 * The 21st most discussed article published on Climate Science in 2016 according to [Altmetric](#).
 * The 126th most discussed article out of 267,000+ articles published in 2016 according to [Altmetric](#).
3. **Hauer, M.**, Evans, J., and Alexander, C. (2015). “Sea-level rise and sub-county population projections in coastal Georgia.” *Population and Environment* 37(1): 44-62.
2. **Hauer, M.**, Baker, J., and Brown, W., (2013). “Indirect estimates of the total fertility rate using the child woman/ratio: A comparison with the Bogue-Palmore method.” *PloS one* 8(6).
1. **Hauer, M.**, (2013). “A 3D spatio-temporal geovisualization of subcounty estimates of historic housing density in metro Atlanta, 1940-2009.” *Spatial Demography* 1(2), 146-161.

Under Review

- Hauer M.**, Hardy, R.D., Kulp, S., Mueller, V., Wrathall, D., Clark, P.U., Oppenheimer, M.O. “A framework for classifying and assessing sea level rise risk.” [\[Preprint\]](#)
- Hauer M.**, Saunders, R.K., & Shtob, D. “The Path of Least Resistance: Projections of Social Inequalities as a Result of Climate Change in the United States.” [\[Preprint\]](#).
- Hauer M.**, Mueller, V., Sheriff, G., Zhong, Qing. “More than a nuisance: Sea level rise already delays commuters.”
- Hauer M.** & Bohon, S. “Causal Inference in Population Trends: Searching for Demographic Anomalies in Big Data.” [\[Preprint\]](#)
- Jack DeWaard, **Hauer M.**, Elizabeth Fussell, Katherine Curtis, Stephan Whitaker, Kathryn McConnell, Kobie Price, David Egan-Robertson. “User Beware: Concerning Findings from Recent U.S. Internal Revenue Service Migration Data.” [\[Preprint\]](#)

Other

- Hauer, M.**. Deviation of PAA President’s Age, 1931-2018. *PAA Affairs*, 2017

GRANTS

Competitive Grants Awarded			\$767 473
2019	Co-PI	Impassable During High Water: Sea Level Rise, Commuting, and Climate Gentrification. NSF	\$300 000
2019	PI	Projecting the Sociodemographic Characteristics of those Impacted by Sea Level Rise in the United States. FSU FYAP	\$20 000
2019	PI	Demographic Modelling of Puerto Rico. Harvard/RAND	\$20 000
2017	Co-I	Forecast of the Timing, Locations, Sequence and Likeliest Destinations of Populations Displaced by Sea Level Rise and Coastal Extremes. SESYNC	\$0
2016	Co-I	Sustainability in Chesapeake Bay shorescapes: climate change, management decisions, and ecological functions. – NSF Coastal SEES. Total \$1,640,152	\$175 295
2012	Co-PI	Assessment and Application of the Social Vulnerability Index for Coastal Hazards Planning in Glynn County, GA.– #NA12NOS4190171, Georgia Department of Natural Resources from the Office of Ocean and Coastal Resource Management, National Oceanic and Atmospheric Administration	\$67 320
	Co-PI	Understanding social attitudes and prioritizing geo-spatial risks for climate adaptation outreach in coastal Georgia.– Georgia SEAGrant	\$126 858

2011	PI	Projecting Hispanic Economic Outcomes in Georgia, 2000-2030.– Poverty and Economy Grants, University of Georgia	\$29 000
	PI	The Production and Evaluation of Estimates of the Total Population Using the Housing Unit Based Method.– US Census Bureau	\$29 000
Under Review			\$1 135 682
2020	PI	Toward the Demography of Climate Change: Demographic change and migration due to sea-level rise in the United States. NSF CAREER	\$418 970
	Co-PI	Focused CoPe: NEAULARRISCG (from Resilience to Retreat through Integration of Science, Communities, and Governance). NSF CoPe	\$352 045
	Co-PI	Large-Scale COPE: SMART AND RESILIENT COASTAL COMMUNITIES (SMART COAST). NSF CoPe	\$364 667
Contracts Awarded			\$1 516 941
2020	PI	Population Projections for the Louisiana Coastal Master Plan.	\$42 219
2018	PI	Georgia Governor's Office of Planning and Budget, Population Projections.	\$120 519
2016	PI	Georgia Gwinnett College Data Analysis Project, Georgia Gwinnett College.	\$242 349
	PI	Data Research, Analysis, and Modeling Project. Board of Regents of the University System of Georgia.	\$394 304
	PI	Population Projections for Coweta County and cities of Newnan and Sequia. Coweta Water and Sewer Authority	\$14 550
2015	PI	Extended Population Projections for Carroll County, GA. Georgia DNR.	\$8 550
	PI	Small Area Population Projections for the Bear Creek Reservoir in South Fulton County. Law Offices of Andrea P. Gray	\$8 550
	PI	Community Needs Assessment. Tallatoona Community Action Partnership	\$12 400
	PI	Food Insecurity in 2020 for the Atlanta Food Bank Service Area. Atlanta Community Food Bank	\$2 000
	PI	Population Projections for the State of Georgia, 2015-2050. Georgia Governor's Office of Planning and Budget	\$100 000
2014	PI	Enrollment Projections for the University System of Georgia 2014-2024. Board of Regents of the University System of Georgia	\$30 000
	PI	University System of Georgia Data Analysis Demonstration Project. Board of Regents of the University System of Georgia	\$296 000
		* Awarded Top Honors by the Georgia Technology Authority	
		* Awarded the Excalibur Award by the Technology Association of Georgia	
Previous Grants Total			\$245 500

TEACHING EXPERIENCE

Spring 2021	Population and Society	SYD 3020
Fall 2020	Population Data	SYD 5133
Spring 2020	Climate Change and Society	SYA 4930
Spring 2020	Climate Change and Society	SYA 4930
Fall 2019	Population and Society	SYD 3020

[Daily Telegraph \(Australia\)](#), [Business Insider](#), [Science Daily](#), [Phys.org](#), [Phys.org \(again\)](#), [Boston Globe](#), [Tampa Bay Times Live Science](#), [World News SBS](#), [Adelaide Now](#), [Eureka! Alert](#), [Chicago Tribune](#), [New Orleans Times–Picayune](#), [Daily Press](#), [The Spec](#), [Shanghai Daily](#), [Yahoo News UK](#), [Yahoo News India](#), [Yahoo News](#), [Yahoo News \(again\)](#), [Philly.com](#), [Courier Mail](#), [Herald Sun](#), [Technology.org](#), [Star Tribune](#), [Manilla Bulletin](#), [Economic Times](#), [Times of India](#), [Environmental Research Web](#), [Straight Times](#), [Morning Call](#), [NT News](#), [The Australian](#), [Reason.com](#), [Mic.com](#), [The Week](#), [Star Tribune](#), [Homeland Security News Wire](#), [Tech Times](#), [AZO Clean Tech](#), [HNGN](#), [Sentinel Source](#), [Irish Examiner](#), [Spokesman-Review](#), [Pittsburgh Post-Gazette](#), [E Science News](#), [AOL News](#), [News.com.au](#), [Geelong Advertiser](#), [Charlotte Observer](#), [Sacramento Bee](#), [Inside Climate News](#), [Der Standard](#), [Latest Nigerian News](#), [CBS News](#), [Seattle PI](#), [Seattle PI](#), [Seattle PI](#), [Eco–Business](#), [International Business Times](#), [Fusion Net](#), [NY Post](#), [Yahoo Finance](#)

Radio [NPR’s Science Friday](#), [KQED NPR Northern California](#), [WNYC PRI NPR New York](#), [Public Ratio International](#), [BYU Radio](#)

TV/Video [NJ.com](#), [Business Insider](#), [CityLab](#)

- 2015 [Atlanta Business Chronicle](#), [Atlanta Business Chronicle](#), [Charleston Post & Courier](#), [Georgia Political Review](#).
- 2014 [Red & Black](#), [New York Times](#), [Columbus Ledger-Enquirer](#), [Columbus Ledger-Enquirer \(again\)](#), [Huffington Post](#), [Huffington Post \(again\)](#), [Macon Telegraph](#), [Pew Charitable Trust](#).
- 2013 [GeorgiaTrend](#), [Georgia Municipal Association](#).
- 2012 [University of Georgia](#), [Bloomberg News](#).
- 2011 [Chattanooga Times Free Press](#).