

# Mathew E Hauer

## Curriculum Vitae

October 9, 2019

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Google Scholar: [Profile](#)

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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

15. **Hauer, M.**, Holloway, S., & Oda, T. "Evacuees and Migrants Exhibit Different Migration Systems after the Great East Japan Earthquake and Tsunami." Forthcoming in Demography [\[Preprint\]](#).
14. **Hauer, M.** & Schmertmann, C. "Population pyramids yield accurate estimates of total fertility rates." Forthcoming in Demography [\[Preprint\]](#).
13. **Hauer, M.**, Byars J. (2020). "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.
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 287th most discussed article out of 250,000+ 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 148th most discussed article out of 277,000+ 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.** & Santos A. “Inaction on climate change projected to reduce European life expectancy.” Under Review in *Population Studies*. [[Preprint](#)]
- Wrathall D., Mueller V., Clark P., Oppenheimer M., **Hauer M.**, et al. “Meeting the looming challenge of future migration from global sea level change.” Under Review in *Nature Climate Change*.
- Hauer M.**, Fussell B., Burkett M., Call M., Abel K., Mueller V., McLeman R., Wrathall D. “Sea Level Rise and Human Migration.” Under Review in *Nature Reviews Earth & Environment*.

## Commissioned Reports

- 2016 **Hauer, M.**, and Hensley, E. A New Face of Georgia: An analysis of the state’s population projections through 2050. *Governor’s Office of Planning and Budget*.
- 2015 **Hauer, M.**, Byars, J., Wilson, G., & Pizarek, M. Transfer Student Report: Demonstrating innovative ways to analyze student transfer data to answer policy questions. *Board of Regents of the University System of Georgia*.

- Hauer, M.**, Lynde, H., Byars, J., Wilson, G., Coyne, J., & Tanner D. First Time Freshman Report: USG market share and the Georgia high school to USG pipeline. *Board of Regents of the University System of Georgia*.
- Hauer, M.**, Lynde, H., Byars, J., Wilson, G., Coyne, J., & Tanner, D. Student progression report: Enrollment patterns that lead to graduation. *Board of Regents of the University System of Georgia*.
- Hauer, M.**, Lynde, H., Byars, J. Wilson, G., Coyne, J., & Tanner, D. University System of Georgia Student Group Profiles. *Board of Regents of the University System of Georgia*.
- Shannon, J. and **Hauer, M.** Projections of food insecurity in the metro Atlanta area. *Atlanta Community Food Bank*.
- 2014 Evans, J., **Hauer, M.**, Hardy, D., & Pippin, S. Assessing social vulnerability using SoVI-Lite: A demonstration study at Glynn County, GA. *Carl Vinson Institute of Government*.
- Evans, J., Pippin, S., Hardy, D., & **Hauer, M.** Social vulnerability and local hazard mitigation planning: Application and evaluation of SoVI-Lite approach for Glynn County, Georgia. *Carl Vinson Institute of Government*.
- Hauer, M.**, A tale of two Georgias: Rural and urban demographic changes in Georgia. *Georgia Healthcare Foundation*.
- 2012 **Hauer, M.** and Vaida, G. Disproportionate minority contact assessment. *Governor's Office of Children and Families*.
- 2011 Tinsley, K. and **Hauer, M.** Atlama Community Transformation (ACT) district housing assessment. *Glynn County, GA*.
- 2010 Clarke, W., Brown, W., & **Hauer, M.** The motor use fuel tax in Georgia: Collection efficiency, trends, and projections. *MARTA*.
- Clarke, W., Brown, W., **Hauer, M.**, & Meyer, M. Metropolitan Atlanta Rapid Transit Authority revenue and expense forecast evaluation 2011-2016. *MARTA*.
- Hauer, M.** Utilizing Census data for non-profits: A training manual for Girls, Inc. *Girls, Inc.*
- 2008 Simmons, M. and **Hauer, M.** An analysis and critique of Tallahassee and Leon County transportation funding by residential project size. *CNL Real Estate and Development Inc.*
- 2007 Simmons, M. and **Hauer, M.** Health and the built environment. *Florida Legislature*.

## 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  |

### Contracts Awarded

|      |    |   |             |
|------|----|---|-------------|
|      |    |   | \$1 474 722 |
| 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 Sequoia. 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 2020 | Climate and Society                 | SYA 4930       |
| Spring 2020 | Climate and Society                 | SYA 4930       |
| Fall 2019   | Population and Society              | SYD 3020       |
| Fall 2018   | Population Data                     | SYD 5133       |
| Spring 2014 | Family Demography and Public Policy | HACE 4400/6400 |

## INVITED PRESENTATIONS

University of South Florida (Mar 2020), University of Pennsylvania (Feb 2020), University of Wisconsin-Madison (Oct 2019), Florida State University (Oct 2019), Drexel University (Sept 2019), Penn State University (May 2019), Environmental Grantmakers Alliance (Sept 2018), Rutgers University (Sept 2018, declined), University of Florida (Feb 2018, declined), Brown University (Dec 2017), Florida State University (Dec 2017), University of Texas at San Antonio (Dec 2017), Florida State University (Oct 2017), NOAA (Jul 2017), Texas A&M University (Nov 2016), University of Georgia

(Mar 2016), Board of Regents of the University System of Georgia (Jan 2016), University of Georgia (Feb 2016), College of William & Mary (Apr 2015), Florida State University (Sep 2013), Testimony at the Georgia Legislature (Jun 2012), Federal Reserve Bank of Atlanta (Feb 2012)

### **Membership in Associations**

Member, Population Association of America  
Member, Committee on Applied Demography  
Member, American Association of Geographers  
Member, Southern Demographic Association  
Member, Southeastern Division of the American Association of Geographers

### **TECHNICAL COMMITTEES AND PROFESSIONAL SERVICE**

Member, Government and Political Affairs Committee, Population Association of America.

### **DEPARTMENTAL/UNIVERSITY SERVICE**

- 2016 *Chair*, University Search Committee, Carl Vinson Institute of Government.
- 2014 *Member*, University Search Committee, Department of Family and Consumer Sciences.
- 2013 *Member*, University Search Committee, Carl Vinson Institute of Government's Training Department.