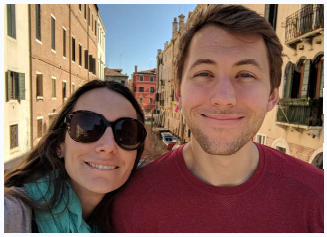
BYRON C. JAEGER

I am an Assistant Professor of Biostatistics. I work in the School of Public Health at the University of Alabama at Birmingham.

My research focuses on describing the role of diurnal (night-time) blood pressure patterns in developing cardiovascular disease and building predictive algorithms that can be used to support clinical decision-making.



EDUCATION

2017 | 2012

PhD, Biostatistics

Gilling's School of Global Public Health — Chapel Hill, North Carolina

- **Thesis:** Extending R-squared to the Generalized Linear Mixed Model
- **Honors:** Recipient of ENAR Distinguished Student Paper Award

2012 | 2008

BS, Mathematics

Furman University — Greenville, South Carolina

- **Thesis:** Modeling three-dimensional pathways for the Tsunami Bar
- **Honors:** Recipient of DeLany Medal for Excellence in Mathematics

PROFESSIONAL EXPERIENCE

Present | 2017

Assistant Professor of Biostatistics

University of Alabama at Birmingham — Birmingham, Alabama

- Investigating mechanisms of cardiovascular disease and hypertension
- developing machine learning algorithms to identify who may benefit from initiating antihypertensive medications

2017 | 2016

Adjunct Professor of Statistics

North Carolina Central University — Durham, North Carolina

Undergraduate and graduate instructor in biostatistics and statistical learning

2017 | 2014

Graduate Teaching Assistant

Gilling's School of Global Public Health — Chapel Hill, North Carolina

- Intro to Biostatistics and Longitudinal Data Analysis
- Statistics Tutor, School of Nursing

2017 | 2012

Graduate Research Assistant

Gilling's School of Global Public Health — Chapel Hill, North Carolina

- China Health and Nutrition Survey
- Sheps Center
- Big Data to Knowledge Awardee

CONTACT

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GitHub

Twitter

SKILLS

Statistical analysis:

Linear mixed models
Survival analysis

Statistical / Machine learning:

Clinical risk prediction
Missing data

Statistical Programming:

R
C++

STATS

Total publications: 20

Total citations: 161

R package downloads: 16,499

*This resume was made with the R package **pagedown**.*