

Morrison Luke Smith
Minnesota Population Center
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Education

Graduate:

UMN School of Public Health, Division of Epidemiology and Community Health
Epidemiology PhD Student (Fall 2016-Present)
MPH (Epidemiology) (Fall 2014-Spring 2016)

East Tennessee State University
Epidemiology Certificate Program (coursework) (Fall 2013)

Eastern Oregon University
Masters of Teacher Education (2002-2003)

Undergraduate:

University of Georgia, Bachelors of Arts, (History) (1992-1996)
Brenau University (1991)
The University of the South, Sewanee TN (1987-1990)

Posters/Presentations/Papers

Effect of Summer Heat Waves on the Probability of Premature Births: Minnesota: 1998-2015. Population Association of America, May 2018 (Paper Presentation)

Effect of heat waves on the probability of death due to ischemic heart disease in the seven county metropolitan Minneapolis - St. Paul area, 1998-2014. Luke Smith, Matteo Convertino, Pam Schreiner, Ben Capistrant. Poster Session: Population Association of America, May 2017.

Relevant Tools

- Statistical languages: SAS, R, Stata
- GIS packages: ArcGIS, Tableau
- Extracting, merging, and summarizing environmental data
- MS Office: Word, Excel, Powerpoint
- Basic website development: Wordpress, iWeb & HTML

Relevant Coursework/Trainings

Clinical Trials, Epidemiologic Methods I,II,III (6340 series), Biostats 6450 & 6451, Correlated Data Analysis, Advanced Epidemiologic Methods Concepts, Advanced Epi Applications, Synthesis and Application of Methods for Epi Research, Fundamentals of Biostatistical Inference, Spatial Analysis of Infectious Disease

Employment

Graduate Research Assistant, Minnesota Population Center (6/2014 – Present)

- Minnesota Population Data Base Project – support project working with state agencies to link administrative data, environmental, community characteristics, and health outcomes. Geocoding, linking birth records across generations, literature reviews, statistical analysis
- Research Assistant at large: Assist with varied short-term research projects: lit reviews, research extracts, data analysis in STATA and GIS.
- Data harmonization for IPUMS projects, code testing, data quality checks and other work as needed for FDA and HigherEd projects.
- Developing educational projects using TerraPopulus data in an NSF funded project in collaboration with the Concord Consortium using a novel platform (CODAP) to demonstrate how data can be used by students. Develop and participate in classroom testing.

Teachers Assistant, Epidemiology I, UMN (9/2015- 12/15)

- Assist UMN professors with core class for Epidemiology program. Grading and office hours.

Internship/Field experience, Minnesota Department of Health (6/2015- 11/2015)

- Geocoded (GIS) well locations for Waterborne Disease Unit surveillance research
- Developed and documented protocol for collection of temperature and precipitation data across sites statewide to support Waterborne Disease Unit

Social Studies Teacher Summit High School (8/2004- 6/2014)

- Designed and implemented curriculum for 180-200 students per day
- Taught courses ranging from Advanced Placement US Government and Politics to Comparative Religions
- Built educational blogs for information and communication.
- Year round coaching

Substitute Teacher, Bend-LaPine School District (12/2003-6/2004)

Project Manager, Jerry Fulks Incorporated. Seattle, WA (1/1997 – 5/2002)

- Created budgets, schedules, contracts, and subcontracts for high-end residential construction projects with budgets up to \$2.5 million.
- Chief point of contact for owner, architect, and subcontractors

Coaching experience

Assistant Nordic Coach, Minneapolis South High School (2017-2018)

Assistant Ultimate Frisbee Coach, Minneapolis South High (2016-2018)

Assistant Cross Country Coach, Summit High School (2004-2013)

Assistant Nordic coach, Summit High School (2004-2014)

Head Ultimate Frisbee coach, Summit High School (2004-2014)

- Created team; Grew to over 100 athletes; Multiple state titles