

Branson Fox

Sociology Undergraduate
Saint Louis University

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Education

Anticipated 2020

Saint Louis University

B.A., Sociology

Concentration in Urbanization, Immigration and Demography

Minor in Computational Geospatial Science

Research Interests

Social Determinants of Health, Housing Inequality, Urban Sociology, Demography, Quantitative and Spatial Methods

Research Experience

2018 – Current

Data Scientist

Washington University in St. Louis

- Analysis of Sexually Transmitted Disease in St. Louis
- Cardiff Model of Violence Prevention
- Community Health Dashboard

2017 – Current

PrenerLab

Saint Louis University

- Software Development, Spatial Econometrics

2019

GIS Analyst

University of Missouri Saint Louis

- DESE Needs Assessment

2018

GIS Intern

Washington University in St. Louis

- Mapping Violence Prevention Efforts in St. Louis

2018

Heart Rate Variability Lab

Washington University in St. Louis

- Racial Disparities in Heart Health, Heart Rate Variability

Refereed Articles

Trolard, A., E. Peters-Bergquist, **B. Fox**, A. Sebert-Kuhlmann, T. Loux, S. Liang, B. Stoner, and H. Reno. “Presenting to the Emergency Department for Sexually Transmitted Disease Care; A Spatial Analysis” *Sexually Transmitted Diseases*

Articles in Progress

Fox, B. and C. Prener “Everyday Civic Participation: Sociospatial Variation in Non-Emergency Requests for Service in St. Louis, MO.”

Prener, C. and **B. Fox** “From Address to Geographic Coordinates: A Comparative Analysis of Geocoding Methods”

Presentations

Fox, B. and C. Prener. “Everyday Civic Participation: Sociospatial Variation in Non-Emergency Requests for Service in St. Louis, MO.” Poster for Geo-Resolution 2019 (April, 2019, St. Louis, MO). Also Presented at the Midwest Sociological Society’s Annual Meeting (April, 2019, Chicago, IL)

Fox, B. “Strength in Late Life: The Influence of Resilient Behavior on Longevity” Poster for the 19th Annual Friedman Lecture & Awards (April, 2019, St. Louis, MO).

Fox, B. “A Spatial Exploration of the Sexual Healthcare Landscape and Utilization in St. Louis” Poster for the 12th Annual Institute for Public Health Conference (October, 2019, St. Louis, MO).

Software

R Packages

2019 Prener, C. and **B. Fox** *stlcsb: Tidy Manipulation of Non-Emergency Service Request Data in the City of Saint Louis, MO.*, on CRAN and GitHub.

2019 Prener, C. and **B. Fox** *censusxy: Geocoding data.frames Using the Census Geocoder*, on CRAN and GitHub.

2019 Prener, C. and **B. Fox** *gateway: Working with spatial data from St. Louis*, on GitHub.

Teaching

2019	Teaching Assistant, Introduction to GIS	Saint Louis University
	Tutor, Introduction to Biostatistics	Saint Louis University

2018	Tutor, Introduction to Sociology	Saint Louis University
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Community

2019 St. Louis Regional Data Alliance
St. Louis Vacancy Collaborative
Cardiff Committee
OpenSTL - A Code for America Brigade