

Branson Fox

Data Scientist
Washington University School of Medicine

✉ bransonf@wustl.edu
🌐 bransonf.com

Education

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 – Present

Data Scientist

Washington University in St. Louis

- Sexually Transmitted Diseases
- Violence Prevention
- Community Health

2017 – Present

PrenerLab

Saint Louis University

- Software Development
- Spatial Econometrics
- Advanced Spatial Methods

2019

GIS Analyst

University of Missouri Saint Louis

- Statewide Needs Assessment
- Advanced Data Scraping

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

In Press

Reno H., **Fox B.**, Highfill C., McKee A., Trolard A., Liang S.Y., Stoner B.P., and Meyerson B.E. "The emerging intersection between injection drug use and early syphilis in non-urban areas of Missouri, 2012-2018." *Journal of Infectious Diseases*, in press.

Refereed Articles Continued

- 2019 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*

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

- 2020 Prener, C., C. Revord and **B. Fox** areal: *Methods for Areal Weighted Interpolation of Geographic Data*, on CRAN and GitHub.
- 2019 – 2020 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.
- 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.

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 |

Community

- 2019 St. Louis Regional Data Alliance
- 2019 – Present St. Louis Vacancy Collaborative
- 2019 – Present Cardiff/Violence Prevention Committee
- 2019 OpenSTL - A Code for America Brigade