**Samuel Shaw** PhD

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Data-driven researcher with over a decade of academic expertise in quantitative and qualitative methods, data analysis, and research design. Transitioning to industry data science and analytics, with hands on experience in R, Python, SQL, and Tableau. Proven ability to translate complex data into actionable insights, visualizations, and reports. Seeking to apply my skills in industry roles in data science, analytics, or user research.

**SKILLS**

*Data Science and Analytics:* R, Python, SQL, Tableau, SPSS, ATLAS.ti, Statistical Analysis, Hypothesis Testing, Machine Learning, Data Cleaning, Data Visualization,

*Research Methods:* End-to-end Research, Survey Methods, Experimental Design, UX research, A/B Testing, Ethnography, In-depth Interviews, Quantitative Methods.

**RESEARCH EXPERIENCE**

**Policy Analyst/Consultant Researcher** 03/2016 – 11/2016

*The Aspen Institute*, New York, NY (remote)

* Collected and analyzed quantitative data and authored the report in support of a Senate Bill (S.977 – American Too Royalties Act) benefiting over 400 artist-endowed charitable organizations.
* Delivered insights to foster engagement and overall understanding to foundation chairs and policy representatives at the Artist-Endowed Foundation Leadership Forum in New York.

**Research Fellow/Lead Researcher** 08/2013 – 07/2014

*Curb Center for the Arts and Public Policy,* Nashville, TN

* Designed and conducted the Wedgewood-Houston Art District neighborhood study, identifying and interviewing over 20 community stakeholders.
* Authored a policy paper to the benefit of 500 local community members and the greater city of Nashville, TN.

**Researcher** 08/2006 – 07/2013

*Vanderbilt University*, Nashville, TN

* Conducted 75+ in-depth interviews, 2 years of immersive ethnography, and drew from American Community Survey data to assess artists’ career paths, urban development, and social impacts.
* Identified funding opportunities, prepared and managed budgets for three successful research grant proposals.
* Assisted and coordinated research projects and developed comprehensive research plans, to help ensure research meet objectives within specified timeframes with a 100% project completion rate.
* Authored four peer-reviewed publications on the topics of urban development and cultural production.

**Lead Research Assistant** 01/2004 – 12/2005

*Portland State University****,*** Portland, OR

* Led a team of 10 research assistants, assigned tasks, monitored progress, and provided support that led to a 75% response rate in a neighborhood survey of 330 households.
* Conducted 50+ face-to-face surveys and 40 in-depth interviews to complete a comprehensive study of neighborhood change.
* Authored two peer-reviewed publications in the field of urban sociology, impacting the lives and economic opportunities of over 5,000 residents of the Alberta Arts neighborhood in Portland, OR.

**EDUCATION**

**PhD, MA in Sociology,** *Vanderbilt University*

**MA in Sociology***, Portland State University*

**BA in Sociology,** *University of Oregon*

**PROJECTS AND CERTIFICATIONS**

Data Science Infinity (in progress)

* Building expertise in Python, SQL, and machine learning with a focus on applying data science techniques to business problems

Google UX Design, Coursera (2024)

* Foundations of UX Design and Research
* UX Design Process: Empathize, Define, Ideate

Data Science Foundations Using R:Johns Hopkins University, Coursera (2017)

* The Data Science Toolbox
* R Programming
* Getting and Cleaning Data
* Exploratory Data Analysis
* Reproducible Research
* Statistical Inference
* Regression Models

**PUBLICATIONS**

Shaw, Samuel. 2015 “Art Crawls: Locating Artists and Audiences in the Creative City,” in *Ethnography*.

Shaw, Samuel. 2012. “Spontaneous and Planned Arts Development: Notes from Portland.” In *The Politics of Urban Cultural Policy.* New York: Routledge.

Shaw, Samuel, and Daniel Sullivan. 2011. “White Night: Gentrification, Racial Exclusion, and Perceptions and Participation in the Arts.” In *City & Community*.

Sullivan, Daniel, and Samuel Shaw. 2011. “Gentrification and the Retail Sector,” in *Urban Affairs Review.*

**TEACHING EXPERIENCE**

**Faculty** 08/2020 – 06/2024

*Eastside Preparatory School*, Kirkland, WA

* Authored over 400 educational resources, including differentiated lesson plans, visual aids, project-based activities, to improve learning experiences for all students.
* Collaborated in curriculum updates for over 500 diverse learners to adapt to a rapidly changing sociocultural environment.
* Executed transparent communications with students, parents, learning support, professionals and counselors to build individual success plans for over 50 student-advisees.

**Faculty** 08/2019 – 07/2020

*Seattle Waldorf High School*, Seattle, WA

* Designed curriculum, lesson plans, lecture and assignment materials for 8 classes and 90+ students, including immersive, pro-social learning projects to increase critical engagement during Covid-19 remote learning.

**Lecturer in American Studies** 08/2014 – 05/2017

*Vanderbilt University*, Nashville, TN

* Designed curriculum, lesson plans, lecture, and assignment materials; taught 200+ students.