# ADAM VISOKAY

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I'm a computational social scientist studying machine learning, NLP, and network methods at the University of Washington. I focus on developing interdisciplinary statistical methodologies with applications in sociology, computer science, economics, public health, and statistics. Can AI help us do better science?

## EDUCATION

**PhD Sociology**, *University of Washington, Seattle WA* — 2023 to present
**MA Economics**, *Syracuse University, Syracuse NY* — 2017
**BA Economics & History**, *University of Virginia, Charlottesville VA* — 2016

## EXPERIENCE

**Graduate Teaching Assistant**, *University of Washington, Seattle, WA* — 2023 - Present

STAT 221 - Statistical Concepts and Methods for the Social Sciences
Autumn 2023, Winter 2024

**Researcher**, *University of Washington, Seattle WA — R, STATA, Python* — 2021 - 2023

Randomized sampling technique for surveying hard to reach populations.
Estimating features of networks (clustering, degree centrality, etc.) using non-traditional survey data.
Developing metrics for evaluating performance of network formation models (LS, ERGM, SBM, etc.)

**Research Assistant**, *Sciences Po, Paris, Remote — Python* — 2021 - 2021

Primary data collection and feature engineering for Historical Migrations, Trade, and Growth (HMTG) project with Professor Thomas Chaney. Emphasis on NLP, clustering, entity matching, machine learning, data visualization, and building/maintaing our ETL pipeline.

**Professional Runner**, *Reebok* — 2018 - 2021

Track & Field distance runner representing the Reebok Boston Track Club internationally. Steeplechase.

## RESEARCH

**GPT Deciphering Fedspeak: Quantifying Dissent Among Hawks and Doves** — *Python.* 2023
*Empirical Methods in Natural Language Processing, Findings*

Is GPT-4 any good for a highly technical linguistic task using economic text data? ACL Anthology.
Quantifying dissenting views on inflation among members of the US Federal Reserve Board since 1994.

**Respondent-Driven Sampling: An Overview in the Context of Human Trafficking** — *R.* 2023
*American Statistical Association, CHANCE*

Discussion of recent work and future directions for applied research. Publication.

**Super Spikes: The Latest Controversy in Running Shoe Technology** — *Python, R.* 2021
Are the new *super spikes* actually improving performance? I conduct a natural experiment using NCAA data in a DiD reserach design. The shoes appear to work!

## SKILLS

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| **R** | *igraph, data.table, tidyverse, sensemakR, ggplot2, shiny, matrixSTATS, openNLP* |
| **Python** | *networkx, scikit-learn, nltk, spacy, bs4, Pandas, NumPy, seaborn, TensorFlow, keras* |
| **Other** | *STATA, Julia, LaTeX, SQL, Apache Airflow, Docker, Azure* |

## ACTIVITIES

Home cooking, sourdough bread baking, pickleball, camping and running (my best mile time is 4:02)