

Peter Kirgis

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Education

Princeton School of Public and International Affairs

Expected May 2025

Master of Public Affairs (MPA), Certificate in Statistics and Machine Learning

- Cumulative GPA: 3.92

Williams College

June 2020

Bachelor of Arts with Honors in Political Economy and Philosophy

Work Experience

United States Census Bureau (Coding it Forward)

June 2024 – August 2024

Data Scientist Fellow

- Built sorting algorithms and k -nearest neighbors regression models in Python to improve existing imputation methods within the Economic Statistical Methods Division.
- Designed Python data visualizations comparing imputation strategies across several loss functions.

Skills: Imputation, Non-parametric machine learning, Geospatial analysis with Python

Work Products: [Improving Imputation Accuracy](#)

Commonwealth of Massachusetts

November 2021 – July 2023

Data Analyst

- Led inter-agency data sharing and program evaluation efforts on behalf of the Chief Data Officer.
- Designed and maintained PostgreSQL ETL pipelines and automated data workflows with Python, AWS Lambda, and Tableau.
- Implemented the Commonwealth's first differential privacy algorithm on longitudinal datasets related to early childhood education and workforce development.
- Presented yearly work summary to the Boston Area Research Initiative (Fall 2022).

Skills: SQL, Python, AWS, ETL, Differential privacy, Tableau, PowerBI, Figma, Jira

Work Products: [Employee Diversity Dashboard](#), [Juvenile Justice Data Story](#), [Early Child Integrated Data System](#)

AmeriCorps VISTA

November 2020 – November 2021

Grants and Data Specialist

- Placed with Emmaus, Inc., a homeless-shelter and affordable-housing non-profit in Haverhill, MA.
- Co-wrote program evaluation reports to HUD with the Chief Operating Officer analyzing client outcomes.

Skills: Data analysis in R, WordPress, Adobe InDesign, HMIS

Work Products: [Emmaus Website Redesign](#)

Research Portfolio

They(’re) Not Like Us: Differences in the Moral Foundations of LLMs

Princeton, 2025

- Administered a synthetic experiment to sixteen frontier large language models to elicit diverse moral judgments. Used PCA and NLP methods to explore and visualize bias and clustering of LLM responses from each model provider relative to a human baseline.
- Invited talk at the 2025 PICSciE/CSSML Joint Colloquium.

[Paper](#) | [Code](#) | [Slides](#)

HAL: The Holistic Agent Leaderboard Evaluation

Princeton, 2025

- Working with Benedikt Stroebel, Sayash Kapoor, and Arvind Narayanan to build a standardized, cost-aware, and third-party leaderboard for evaluating AI agents.
- Independently implemented two benchmarks, SciCode and AssistantBench, into the HAL harness, and designed agents optimized for these benchmarks.

[Code](#)

Desegregation Paradox? A model of LIHTC’s effects on economic segregation

Princeton, 2024

- Used novel data sources to simulate the effect of redistributing LIHTC residents across US metropolitan areas and observed that LIHTC’s presence is associated with a decrease in economic segregation.

[Paper](#)