

# 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

### Differences in the Moral Foundations of Large Language Models

*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](#)