

Rohit Kandala

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EXPERIENCE

Harmony Labs New York, NY
Data Scientist April 2025 - Present

- Lead, design, and analyze 100+ RCTs using causal inference (GLMs, DiD, multiple treatments) to measure sentiment shifts; partner with strategy team to translate findings into actionable content and communication strategies for partners reaching 50M+ viewers.
- Build ML pipelines (Python, SQL) processing 100M+ Nielsen/Comscore rows using embeddings and clustering to segment audiences by media consumption patterns.
- Deploy AI agents (MCP) to automate RCT data processing, reducing manual analysis time by 50% and scaling experiment capacity across 3 cross-functional teams.

Kamala Harris for President Wilmington, DE
Senior Survey Analyst June 2024 - November 2024

- Built and operated daily tracking survey (1,000 respondents/day, 80K total) identifying which influencers resonated with voter subgroups, [informing strategy that targeted 1.2M persuadable voters](#) across seven battleground states.
- Delivered biweekly reports to campaign manager and senior leadership analyzing sentiment trends using GLMs, weighting, NLP, and time series methods; insights directly informed resource allocation and messaging during final 100 days.

SELECT PROJECTS

- [OkCupid Profiles](#): Fine-tuned transformer on 60k profiles, improving match prediction by 15% (AUC) through cosine similarity; built Flask demo with AI-generated profile matching.
- [Dallas Real Estate Tool](#): Deployed [R Shiny dashboard](#) with ARIMA forecasting (MAE: \$906) predicting home values across 200+ Dallas–Fort Worth zip codes.
- [UChicago Lyft Ride Smart Program](#): Analyzed 6M+ rides over 5 years in Hyde Park, Chicago using KNN and Elastic Net regression; found students increased ridership by 4 rides/month under university subsidy, informing program cost-benefit analysis.

TECHNOLOGIES & EXPERTISE

- **Technologies:** Python (pandas, numpy, pytorch, scikit-learn, nltk, transformers), R (tidyverse, ggplot2, survey, psych), SQL, Data Reporting (Looker, PowerBI, Tableau), dbt, GCP (BigQuery, Vertex), AWS (Athena, SageMaker, EC2, Polly), Apache (Airflow, PySpark, Hadoop), Docker, GitHub, Survey Tools (Qualtrics, SurveyMonkey, Alchemer).
- **Expertise:** Data Science and Statistics, Machine Learning and Causal Inference, Survey Design and Analysis, Project Management and Stakeholder Management, Social Science.

EDUCATION

The University of Chicago Chicago, IL
Master of Science in Computational Analysis and Public Policy June 2024
Teaching Assistant: Bayesian Machine Learning with Generative AI Applications (2025) & Survey Research Methodology (2024).

The University of Connecticut, College of Arts & Sciences Storrs, CT
Bachelor of Arts in History; Minors: Communications & Philosophy May 2019