Linh Phan

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EXPERIENCE SUMMARY

PhD Candidate in Political Science at the University of California, Davis, with a research focus on political behavior and participation. Skilled in experimental design, advanced quantitative methodologies, and policy analysis. Strong communicator with a track record of bridging the gap between research and policy. Experienced in working with large datasets, statistical modeling, and translating complex analytical findings into actionable insights.

EDUCATION

University of California, Davis **Davis, CA**
Political Science, Ph.D. *Expected 2025*

- Relevant Coursework: Causal Inference, Experimental Design, Applied Regression / GLMs

University of California, Riverside **Riverside, CA**
Political Science, Bachelor of Art *2018*

WORK EXPERIENCE

University of California, Davis **Davis, CA**
PhD Researcher *2020-Present*

- Utilized R and SQL to clean, transform, and analyze datasets exceeding 100,000+ records, enabling efficient data workflows and supporting reproducible, high-quality statistical analyses.
- Built predictive models using regression and machine learning techniques, improving outcome accuracy by 20–30% and contributing to peer-reviewed research accepted at academic conferences.
- Conducted large-scale workforce analytics by analyzing survey data to identify demographic representation and engagement trends, translating analytical findings into actionable policy recommendations and strategic insights for diverse stakeholder audiences.

University of California, Davis **Davis, CA**
Teaching Assistant *2021-Present*

- Effectively communicate complex research and statistical methods alongside coding techniques to non-technical audiences, including non-native English speakers.
- Facilitated student understanding of political systems and public policy through various assessment methods, providing timely and constructive feedback to enhance critical thinking and engagement with real-world policy challenges.
- Developed and delivered data-driven tutorials and assessments that integrated statistical analysis and programming with contemporary policy issues, equipping students with tools to analyze and interpret political and regulatory developments.

SKILLS

Research Methods: Multi-Level Modeling (HLM), Regression Analysis, Experimental Design (Conjoint Analysis, A/B Testing, Vignette), Large-Language Models, Causal Inference, Data Visualization, Synthetic Sampling

Programming: R (R Studios), LaTeX, Excel, SQL, Python (ETL processes), Qualtrics, Ggplot2, Tableau

EXAMPLES OF RESEARCH PROJECTS

Examining Asian American Identity and Political Preferences

- Applied Social Psychology theories to assess how exposure to broader identity cues affects self-categorization.
- Designed a survey experiment leveraging Large Language Models (LLMs) like Chat-GPT to generate silicon samples (synthetic survey responses).
- Improved representation of underrepresented racial groups (e.g., Cambodian, Laotian, Thai) by utilizing synthetic sampling techniques

Understanding the Role of Demographic Concentration in Minority Political Participation

- Conducted large-scale analysis of a nationally representative survey dataset on Asian Americans in the U.S. to uncover trends in political participation.
- Applied causal inference methods to measure the impact of demographic representation on engagement and retention trends.