Graham Alexander Noblit, Ph.D.

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EDUCATION

Harvard University — **Cambridge, MA**
Ph.D. in Human Evolutionary Biology — **May 2022**
Dissertation: The Cultural Evolution of Political Institutions

University of Texas at Austin — **Austin, TX**
B.A. in Anthropology, Minor in Mathematics (High Honors) — **May 2012**

SKILLS & INTERESTS

Professional: R · Python · Julia · SQL (Beginner) · Data Visualization · Geospatial Data, Econometrics, & Causal Inference · Machine Learning · Game Theory · Vignette & Survey Design · LaTeX
Interests: Pottery & Ceramics · Brazilian Jiu Jitsu · Meditation

RELEVANT PROFESSIONAL EXPERIENCE

University of Toronto: Schwartz Reisman Institute — **Toronto, ON**
Vector Institute for Artificial Intelligence
Post-Doctoral Scholar — **2022-Present**

- Perform computational and analytical research in game-theory on the evolution of norms with applications to multi-agent reinforcement learning systems
- Provide domain-expertise input on generation of novel multi-agent reinforcement learning algorithm permitting agents to learn cooperative behaviors in public-goods setting

Self-Employed — **Cambridge, MA**
Consultant — **2019-Present**

- Provide statistical and disciplinary expertise and services for academic researchers and projects at Harvard University and The University of Chicago: Booth School of Business and for industry projects at Rare (conservation and behavioral change) and DeepMind (artificial intelligence)

RESEARCH & TEACHING EXPERIENCE

Harvard University — **Cambridge, MA**
Doctoral Researcher, Human Evolutionary Biology — **2016-2022**

- Identified and answered field-relevant questions about human societal evolution, psychology, and institutions requiring statistical, analytical (game theoretic), and computational methods
- Applied spatial and non-spatial linear models and causal inference techniques to large (~5-10 million) and small (~5-10k observations) datasets for dissertation research
- Experience using messy data requiring extensive cleaning and integrating data of various types (survey, ecological, historical) and scales (individual, household, geospatial) to answer ongoing scientific questions
- Designed and managed multiple project pipelines simultaneously: identifying research questions, coding analyses, authoring reports, and presenting results
- Presented research regularly to technical and non-technical audiences including academic labs and the major international conference in my discipline; audiences ranged from ~5 to ~50 people

Harvard University — **Cambridge, MA**
Lead Teaching Fellow, Statistics — **2019-2021**

- Managed teams ranging in size from 5-15 teaching assistants

Teaching Fellow, Human Evolutionary Biology & General Education **2018-2021**

- Taught complex concepts to large (~250 students) and small (~30) classes including Introduction to Statistics for Economics, Game Theory and Psychology, and AI and Philosophy
- Led in-person and online instruction using platforms including Zoom, Canvas, and Congregate

LEADERSHIP & ACADEMIC SERVICE

Harvard University **Cambridge, MA**

Research Project Manager **2020-Present**

- Initiated and managed collaborations across and within multiple universities including Harvard University and the University of Chicago: Booth School of Business

NeurIPS (Academic Society) **Remote**

Referee **2021**

- Provided referee reports and reviews for major artificial intelligence conference