VINCENT J. ARMENTANO JR.

4114 Ohio Street, Apt 204, San Diego, CA 92104
860.670.1625, varmenta@ucsd.edu

EDUCATION

UC San Diego   **La Jolla, CA**
Doctoral Student, Economics   Class of 2025
Northeastern University   **Boston, MA**
Major: Bachelor of Arts in Economics/International Affairs   2016
GPA: 3.702   Magna Cum Laude
Minor: Global Social Entrepreneurship
Relevant Coursework: Econometrics, Micro & Macro Theory, Development Econ, Gender & Dev, Statistics
London School of Economics   **London, United Kingdom**
- Courses include Development Economics, Development in the Intl. Political Economy   Summer 2015

Social Entrepreneurship Field Research   **Cape Town, South Africa**
- Consulted with Cape Flats entrepreneurs, assisting with strategy and profitability   Summer 2014
- Awarded funding for business plan project for implementation by local boxing academy

SUBMITTED PAPERS

Movin' on Up? The Impacts of a Large-Scale Home Ownership Lottery in Uruguay
With Craig McIntosh, Felipe Monestier; Rafael Pineiro; Fernando Rosenblatt; Guadalupe Tunon.
Submitted for publication October 2022.

WORKING PAPERS

Obtaining Externally Valid Heterogeneous Treatment Effects
GPRL Working Paper No. 20-108   August 2020
- A note on how to apply lessons from "External Validity in a Stochastic World" (Udry & Rosenzweig, 2020) so that one can create HTE estimates less sensitive to the timing at which an experiment was run.
- Provided accompanying Stata code to facilitate ease of adoption.

RESEARCH IN PROGRESS

Rainfall Expectations and Agricultural HH Decision Making   *Confirmed data access from GPRL*
- Exploiting a novel dataset that contains respondents' objective and subjective rainfall recall, as well as their expectations to see how the behavior differs across of individuals classified as pessimistic / not
- Observed correlation between pessimists selecting into less risky crop portfolio mixes
- Constructed an ML Algorithm taking advantage of supplementary data to predict HH Types as pessimistic
- Able to take advantage of multiple satellite rainfall data sources and definitions to see which rainfall definitions are most salient to respondents contributing to the methodology and behavioral literature
- Able to take advantage of breaks in respondent answers when rainfall levels don't correlate with Best/Worst Classified Farming Seasons to develop empirically tuned Upside Down U of rainfall returns

Impact of Ag. Extension on the Structure of Social Networks   *Confirmed data access from GPRL*
Classifying Smallholder Farmer Activity using Ground-Truth Data   *Confirmed data access from GPRL*

ACADEMIC WORK EXPERIENCE

Global Poverty Research Lab, Northwestern University   **Evanston, IL**
Senior Research Analyst   August 2017-August 2020
- Performed regression analysis on multi-armed agricultural RCT, exploring heterogeneity across rainfall distribution, gender and soil dimensions with marginal effect analysis
- Made use of both Causal Forest and Double Machine Learning algorithms to search for Heterogeneity
- Wrote automated Stata programs to perform at one-touch; a Post Double Selection LASSO, Marginal effects at desired points of an out-of-sample Rainfall Profits Surface, Randomization inference on those marginal effects and finally Bonferroni Q value adjustment on the final Rand.-Inf. P-Values
- Assisted with more senior administrative research tasks, managing stakeholders, hiring and overseeing the training process for new Research Analysts, managed multiple Undergraduate Research Analysts

Innovations for Poverty Action   **New Haven, CT**
Research Analyst for Dr. Christopher Udry, [DIRTS Project](#)   August 2016-August 2017

- Oversaw data collection of a 3,120 Household Sample RCT, performing data quality assurance checks
- Performed data cleaning on collected data in Stata software, examining outliers and summary stats
- Assisted in writing academic papers, project reports and policy memos on a variety of topics
- Partook in design of survey questionnaire items and survey construction with SurveyCTO software

SKILLS

Computer: Professional Level Programmer in Stata, Proficient in R, Familiar with Python, QGIS and ArcGIS

PERSONAL INFORMATION

Date of Birth: December 13, 1993
Citizenship: US Citizen
Unrelated Interests: Astrophotography, Filmmaking, Milkshakes, Boardsports