

Duong Phuc Ta

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BIO

My name is Duong Phuc Ta. I am currently a Graduate Research Assistant and Doctoral student at the Department of Agricultural and Applied Economics, Virginia Tech. My research experiences revolve around analyzing primary and secondary data to identify key patterns and drivers, ultimately informing policy design and recommendations aimed at improving societal well-being. My recent works center on impact evaluation and farmers decisions relating to consevation, climate and sustainable land use. Methodologically, I employ econometric and microeconomic tools. I am increasingly interested in leveraging machine learning and deep learning techniques in my research design and analysis.

EDUCATION

- **Virginia Tech University** 2023 -
Ph.D. Student in Agricultural and Applied Economics USA
- **University of Greenwich** 2014 - 2015
MSc in Business and Financial Economics United Kingdom
- **The National Economics University** 2004 - 2008
Bachelor in Economics Vietnam

EXPERIENCE

- **Virginia Tech** [🌐] 2023 -
Graduate Research Assistant/ Graduate Teaching Assistant USA
- **The International Center for Tropical Agriculture (CIAT), Asia Hub** [🌐] 2018 - 2022
Data Analyst/ Research Assistant Vietnam
- **Vietnam Institute of Economics (VIE)** [🌐] 2010 - 2023
Researcher Vietnam

PUBLICATIONS

Journal Articles:

- [1] Bradford Mills, Chi Ta, **Duong Phuc Ta**, Huong Nguyen (2025). "Salinity Inundation, Profitability, and Rice Farming Exits in Mekong Delta of Vietnam". *Journal of the Agricultural and Applied Economics Association*, 4(2), pp:170-186. DOI: 10.1002/jaa2.70004
- [2] Bradford Mills, Dung Phuong Le, **Duong Phuc Ta**, Lien Nhu, Danh Thanh Vo and Ricardo Labarta (2022). "Intensive and extensive rice farm adaptations in salinity-prone areas of the Mekong Delta". *Climate and Development*, 15(2), pp:162-176. DOI: 10.1080/17565529.2022.2072800
- [3] Chuc Dinh Nguyen and **Duong Phuc Ta** (2019). "Trade, Structural Adjustments and Productivity Growth in Vietnam: The Shift to Services". *Journal of Southeast Asian Economies*, 36(2), pp:256-273.
- [4] **Duong Phuc Ta** (2015). "Effects of Capital Flows on Housing Prices in Emerging Economies: a panel Approach". *Vietnam Socio-Economic Development*, 81 (April 2015).

Journal Articles in Vietnamese:

- [5] **Ta Phuc Duong** (2023). "Welfare impacts of non-farm livelihood participation of households in Vietnamese rural area". *Journal of Economic Studies*, 12(523).
- [6] **Ta Phuc Duong** (2021). "Impacts of agricultural portfolio changes on farm household income under the context of climate changes in Vietnam Mekong Delta". *Journal of Economic Studies*, 12(523).
- [7] **Ta Phuc Duong** and Nguyen Thi Anh Tuyet (2018). "Trends in economic functions of Vietnamese households". *Journal of Economic Studies*, 7(482).

Conference Papers/ Presentations:

- [1] **Duong Phuc Ta**, Bradford Mills, Kurt Stephenson, John Fike, Tom Stanley (2025). "Economic Feasibility and Carbon Sequestration of Silvopasture in the Southeastern U.S". AAEEA-WAEA Annual Meeting. July 27-29, 2025, Denver, CO.
- [2] Nguyen Chien Thang and **Ta Phuc Duong** (2019). "Changing trend of production function of Vietnamese households". RC06-VSA International Conference: The Family in Modern and Global Societies: Persistence and Change. October 17-19, 2019, Hanoi, Vietnam.

SKILLS

- **Programming Languages:** Python, R, Stata, Matlab, SQL , LaTeX
- **Data Science & Machine Learning:** TensorFlow, Keras, Scikit-learn
- **Programming Tools:** VSCode, Quarto, Git, Github, Google Earth Engine
- **Research Skills:** Econometrics, Optimization, Cost-Benefit Analysis, Machine learning, Deep learning, Survey Design, Experimental Design, Data Cleaning and Management, Data Visualization, Research Writing.

CERTIFICATIONS

- **Advanced Learning Algorithms** 2025
Stanford University via Coursera, Credential ID: R3CBE2KM643T
- **Supervised Machine Learning: Regression and Classification** 2025
Stanford University via Coursera, Credential ID: 06NJC4F109KG
- **Unsupervised Learning, Recommenders, Reinforcement Learning** 2025
Stanford University via Coursera, Credential ID: SNCSD3Q3F2UJ

PROFESSIONAL MEMBERSHIPS

- **Agricultural and Applied Economics Association (AAEA),** Membership ID: XXXXXXXX

ADDITIONAL INFORMATION

Languages: Vietnamese (Mother tongue), English (Fluent).
Interests: Traveling, Reading, Watching movies/dramas, Soccer, Pickleball.

REFERENCES

1. **Reference Person 1**
Job Title, Department
Organization/Institution Name
Email: email1@example.com
Phone: +X-XXX-XXX-XXXX
Relationship: [e.g., Thesis Advisor, Manager, etc.]
2. **Reference Person 2**
Job Title, Department
Organization/Institution Name
Email: email2@example.com
Phone: +X-XXX-XXX-XXXX
Relationship: [e.g., Project Supervisor, Colleague, etc.]
3. **Reference Person 3**
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Organization/Institution Name
Email: email3@example.com
Phone: +X-XXX-XXX-XXXX
Relationship: [e.g., Mentor, Collaborator, etc.]