

CURRICULUM VITAE

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EDUCATION

Doctor of Philosophy (Economics), Thammasat University, Thailand **2018 – 2023**

Dissertation topic: Spatial Analysis of Urbanization and Economic Development in Thailand

Advisor: Associate Professor Nattapong Puttanapong

Bachelor of Economics, Thammasat University, Thailand **2013 – 2017**

Major subjects: Development Economics

Johannes Kepler University Linz, Austria **2015 – 2016**

1-year exchange student

WORK AND ACADEMIC EXPERIENCE

Lecturer

Faculty of Economics, Thammasat University, Bangkok, Thailand **2026 – Present**

Faculty of Economics, Rangsit University, Pathum Thani, Thailand **2023 – 2025**

- Instructor of Principles of Economics
- Instructor of Economics for Accountant
- Instructor of Econometrics
- Instructor of Mathematics and Statistics for Economist
- Instructor of Economic Data Analysis

Data analyst

World Bank, Bangkok, Thailand **2021 – 2022**

- Wrote education progress reports and gathered information (data entry) on education spending of nine small Pacific Island countries (PIC-9) – Kiribati, Marshall Islands, the Federated States of Micronesia, Nauru, Palau, Samoa, Tonga, Tuvalu, and Vanuatu.

- Analyzed data to support the completion of Malaysia Public Expenditure Review. The report's primary goals include assessing the effectiveness of Malaysia's spending on education and guiding education reform. The main jobs include 1. Analysis of teachers' movement in Malaysia 2. Estimation of return to education 3. Simulation of school network optimization (small schools' merger) 4. Forecast of number of students 5. Assessment of quality of education, and 6. Any analysis that is deemed necessary by supervisor.

Research Assistant

Chula Unisearch, Bangkok, Thailand

2020 – 2021

- Researcher assistant of a project titled “Planning Framework to Support the Expansion of Country’s Main Economic Cities”.
- Conducted a literature review on economic development and urban expansion.
- Utilized nighttime light data to identify the main economic cities in Thailand.

Center for Research on Inequality and Social Policy, Bangkok, Thailand

2019 – 2020

- Researcher assistant of a project titled “Spatial Analysis of Inequality in Thailand: Applications of Satellite Data and Geographic Information System (GIS)” (Sponsored by Thailand Science Research and Innovation (TSRI)).
- Extracted satellite data from Google Earth Engine platform, such as nighttime light, land surface temperature, rainfall, and Normalized Difference Vegetation Index (NDVI).
- Conducted a literature review on the application of satellite data in economic research.
- Conducted statistical analysis to assess the impact of various socio-economic factors on spatial inequality in Thailand via various econometric techniques such as panel and spatial regression.

Tutor

Faculty of Economics, Thammasat University – Bangkok, Thailand

2019

- Delivered tuition to students Advance Microeconomics course.

Researcher

Thailand Development Research Institute – Bangkok, Thailand

2017 – 2018

- Worked with Transportation and Logistics Policy research team.
- Conducted ground survey to collect data on both operating cost of private hire vehicle and taxi driver and satisfaction of users to determine the appropriate fare.

FIELDS OF RESEARCH INTEREST

Migration and Urbanization, Poverty and Inequality, Environment and Development, Applied Econometrics, Aging Population, Sustainable Development, Political Economy, Economic History

ACADEMIC PUBLICATION

Prasertsoong, N., & Puttanapong, N. (2022). Regional Wage Differences and Agglomeration Externalities: Micro Evidence from Thai Manufacturing Workers. *Economies*, 10(12), 319.

Puttanapong, N., Prasertsoong, N., & Peechapat, W. (2023). Predicting provincial gross domestic product using satellite data and machine learning methods: a case study of Thailand. *Asian Development Review*, 40(02), 39-85.

Prasertsoong, N., & Puttanapong, N. (2025). An integrated framework for satellite-based flood mapping and socioeconomic risk analysis: A case of Thailand. *Progress in Disaster Science*, 25, 100393.

Prasertsoong, N. (2025). Impact of Remittances on Spending Behavior and Work Choices in Thai Households: A Quasi-Experimental Study. *Journal of Population and Social Studies [JPSS]*, 33, 881-905.

Prasertsoong, N., & Puttanapong, N. (2025). Predicting Urban Land Expansion and Local Economic Growth by Integrating CLUE-S and Economic Model: An Application to Ban Chang District, Thailand. *Journal of Geovisualization and Spatial Analysis*, 9(1), 7.

Prasertsoong, N., & Puttanapong, N. (2025). Urban Land Expansion and Economic Development in Thailand from 2000 to 2020. *Nakhara: Journal of Environmental Design and Planning*, 24(3), Article 517. <https://doi.org/10.54028/NJ202524517>

TECHNICAL AND LANGUAGE SKILL

Good command in English (TOEIC 885, IELTS 6.5)

Good command in Microsoft Office (Word, Excel, and PowerPoint)

Good command of coding in STATA and Rstudio

Good command in Geographic Information System software such as ArcGIS and QGIS

TRAINING

Accomplished Country Workshop on Using Remote Sensing Data and Machine Learning Algorithms for Monitoring Road Quality and Relevant Sustainable Development Goal Indicators held by Asian Development Bank on 28-30 August 2023, Bangkok, Thailand.

AWARD

Second place prize in Setthatat research competition awarded by Bank of Thailand

Best Thesis Award in Social Science awarded by Thammasat University

National Research Awards: Outstanding Thesis Award (Economics) awarded by National Research Council of Thailand (NRCT)

REFERENCE PERSON

Associate Professor Nattapong Puttanapong – Doctoral Advisor

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