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中央研究院
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2025 ACADEMIA SINICA
EARLY-CAREER INVESTIGATOR
RESEARCH ACHIEVEMENT AWARD

人文及社會科學組

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RESEARCH ACHIEVEMENT AWARD

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代表著作：

- 📖 "Dynamic Trade, Education and Intergenerational Inequality", *Journal of International Economics*, 2024, Volume 151, 103967.

- 📖 "Long-Run Belief-Scarring Effects of COVID-19 in a Global Economy", with Wen-Tai Hsuand Hsuan-Chih (Luke) Lin, *Economic Theory*, Volume 78, pages 709–752, 2024.

- 📖 "Between Lives and Economy: COVID-19 Containment Policy in Open Economies", with Wen-Tai Hsu and Hsuan-Chih (Luke) Lin, *European Economic Review*, Vol. 157, August2023, 104512.

簡評：

　　楊博士的研究成果展示他在經濟學理論創新、數量模型應用以及跨學科研究整合的能力。他的研究不僅限於國際貿易領域，還涵蓋總體經濟、教育與勞動市場、經濟結構轉型等問題。在自由貿易和全球化背景之下，他的研究提供了具有實際應用價值的政策建議。

簡歷：

　　楊宗翰，2019 年獲賓州州立大學經濟學博士，隨即加入中央研究院經濟研究所，現任副研究員。專長為量化國際貿易與一般均衡分析，關注全球化對所得與機會分配的影響，並跨足經濟發展、疫情與供應鏈韌性、環境政策與氣候變遷、性別與勞動市場及總體經濟等議題，結合理論與實證建立可檢證的政策分析框架。近期研究以「電玩經濟學」為切入點，運用跨境電玩銷售與平台資料，量化國際貿易中的文化與語言障礙，為數位經濟下的貿易模式與文化傳播提供新的實證證據與研究視角。

　　Han Yang received his Ph.D. in Economics from Penn State University in 2019 and subsequently joined the Institute of Economics, Academia Sinica, where he is now an Associate Research Fellow. His expertise lies in quantitative international trade and general equilibrium analysis, with a central focus on how globalization shapes income and opportunity distribution. His research spans a wide spectrum of topics, including economic development, pandemic and supply chain resilience, environmental policy and climate change, gender and labor markets, and macroeconomics, combining theory and empirics to build transparent, policy-relevant analytical frameworks. His recent work turns to the "economics of video games," using cross-border video game sales and

platform data to quantify cultural and language barriers in international trade, offering new empirical insights into digital trade and the global diffusion of culture.

代表作簡介：

　　楊宗翰的研究致力於建立大型的動態量化貿易模型框架，用以分析高度相連的全球經濟體系中，結構性的衝擊與不確定性。一方面，透過納入人力與實體資本累積、資本技術互補與世代結構的動態多國模型，刻畫了貿易與技術衝擊下，不同要素短期與長期調整的路徑，並揭示教育與人力資本相關政策會如何重塑不同世代與族群的所得分配。另一方面，結合多國貿易架構、全球供應鏈、流行病學模型與貝式學習機制，量化防疫政策經由全球供應鏈傳導疫情與經濟風險的過程，並更進一步說明危機期間形成的悲觀預期，會如何在危機後，持續扭曲貿易流向與資源配置。整體而言，這些研究脈絡，拓展了現存理論工具的分析能力，並能作為在目前高度波動與不確定環境全球環境下，設計與衡量公共政策的理論基礎。

　　Han Yang's research develops large-scale dynamic quantitative trade frameworks to analyze structural shocks and uncertainty in an increasingly interconnected global economy. On one front, by incorporating human and physical capital accumulation, capital–technology complementarity, and overlapping generations into multi-country dynamic models, his work characterizes the short- and long-run adjustment paths of different factors following trade and technology shocks, and demonstrates how education policies and human capital accumulation reshape income distribution across cohorts and population groups. On another front, by combining multi-country trade structures, global supply chains, epidemiological models, and Bayesian learning, it quantifies how containment policies transmit health and economic risks through international production

networks, and further shows how pessimistic beliefs formed during crises can persist and distort trade patterns and resource allocation long after the initial shock. Taken together, this research agenda extends the analytical power of existing theoretical tools and provides a rigorous foundation for designing and evaluating public policies under today's highly volatile and uncertain global environment.

得獎感言：

像我這種不太愛做研究，即使在做研究，也不是做得十分正經的人，能夠獲得中研院年輕學者研究成果獎，是莫大的榮譽與肯定。

首先當然要感謝中研院經濟所的好夥伴跟好同事們，不管對於研究、行政、經費或是寫計畫，大家總是迅速、大方與主動的給予強力支援，讓總是狀況外的我，少走了很多的冤枉路。此外，經濟所上認真又輕鬆的研究氛圍，也讓我可以按照自己的步調，自在的放慢步伐與工作。

For someone who is not particularly fond of doing research and rarely looks very serious even when doing it, receiving the Academia Sinica Early-Career Investigator Research Achievement Award is an immense honor and acknowledgement.

I would first like to thank my wonderful colleagues at the Institute of Economics, Academia Sinica. Whether in research, administration, funding matters, or project proposals, they have always offered swift, generous, and proactive support, saving someone as perpetually absent-minded as I from many wrong turns. I am also grateful for the Institute's serious yet relaxed research environment, which allows me to work at my own pace and occasionally slow down without losing the joy and curiosity that motivate my work.