Cong Wang

Kirchberg, Luxembourg; Wangcong141@gmail.com; +352 621 314 630; https://congwang141.github.io

Summary

Economist and financial sector expert specialized in econometric modeling, financial market analysis, and international development. Experienced in policy development, financial stability analysis, and market intelligence. Skilled in programming languages Python, R and Stata, and adept at using Bloomberg Terminal and Refinitiv Eikon for economic analysis and data extraction. Passionate about the non-academic mission currently carrying on and intend to drive impactful insights for sustainable economic development.

Skills

Computer Language: Python, R, Stata, MATLAB
Human Language: Chinese, English, Russian
Data Terminals: Bloomberg terminal, Refinitiv Eikon

Research & Interest

Econometrics, Causal inference
Financial econometrics, Machine learning
Policy analyzes, Market Intelligence

Experience

Financial sector analyst **5.2024 – 4.2025**
European Stability Mechanism (ESM), Chief Economist Department ---- Kirchberg, Luxembourg
- Supported policy work through data-driven research and analysis to maintaining financial stability and economic prosperity in the Euro Area, mirroring the functions of the IMF but only for the Euro countries.
- Conducted scientific research on macro-financial linkages to analyze the interactions between financial markets and the real economy, published blog posts, monitor stories, analytical reports, etc.
- Optimized the algorithm for Bank Viability Index using Python and R, provided better monitor tool for the stability of systematically important Euro Area banks.
- Provided market intelligence and financial sector analysis, focusing on stock price movements, company & market news, yield curves, and CDS pricing for Euro Area banks.

Visiting researcher **3.2023 – 9.2023**
University of California, Los Angeles (UCLA), Economic Department ---- Los Angeles, USA
- Conducted econometric training and research, particularly causal inference, focusing on advanced methods for identifying and quantifying causal relationships in policy and economic outcomes, developed novel casual inference method.
- Collaborated with faculty on joint research projects, leading data collection, cleaning, visualization, and simulation analysis for policy impact assessments.

Market Analyst **7.2020 – 9.2021**
China Life Asset Management, Market Research Division ---- Guangzhou, China
- Provided data analysis and investment strategy insights for secondary financial markets, contributing to more informed investment decisions.
- Led the development of a data visualization tool that improved reporting efficiency, enabling faster and more accurate analysis for the team.

QTEM Exchange Student **9.2019 – 2.2020**
University of Amsterdam, Economics Department ---- Netherlands
- Completed advanced quantitative analysis and financial modeling training, gaining practical experience in applying econometric methods to real-world financial scenarios.

Education

Sapienza University of Rome **Rome, Italy**
PhD in Economics Expected Completion: May 2025
HSE University **St. Petersburg, Russia**
MSc in Finance Sep 2018 – Jul 2020
Shenyang Ligong University **Shenyang, China**
BSc in Engineering Sep 2012 – Jul 2016

Scholarships and Awards

University of Rome International Mobility Scholarship	2022
University of Rome fully founded Ph.D. scholarship	2021
QTEM Honored Graduate Diploma	2020
HSE University International Mobility Scholarship	2019
HSE University Scholarship	2018

Conference & Workshop

12th IEA Workshop in Econometrics and Empirical Economics **Bertinoro, Italy**
Italian Econometric Association. Sep 2024
IMF Financial Programming and Policies Workshop **Luxembourg**
European Stability Mechanism. Jun 2024
Political Economy of Climate and the Environment Mini-Conference **Los Angeles, USA**
University of California, Los Angeles. Aug 2023
2023 North American Summer Meeting (NASM) **Los Angeles, USA**
The Econometric Society. Jun 2023
CCPR Differences-in-Differences Mini-Conference **Los Angeles, USA**
University of California, Los Angeles. May 2023
Empirical Tools/Applications in Banking and Macro-Finance **Barcelona, Spain**
Barcelona School of Economics, summer school Jul 2022
Workshop on Demand System Asset Pricing **Online**
Held by Ralph S.J. Koijen and Motohiro Yogo. Jun 2022
Innovation, Growth, and Production. Models and Data Analysis **Rome, Italy**
Sapienza, University of Rome. Advanced Course 2022, 17th Edition. May 2022

Publications

Counterfactual and Synthetic Control Method: Causal Inference with Instrumented Principal Component Analysis ------ Job Market Paper
This paper marching forward the frontier of synthetic control for causal inference. The novel proposed CSC-IPCA method instruments factor loadings with predictive covariates and allows the conventional static factor loadings exhibit time-varying properties. It can handle high-dimensional datasets, reduce bias, and with good asymptotic properties.

Firms' Carbon Emissions and Stock Returns
Work in progress

Stock Return Prediction with Multiple Measures Using Neural Network Models
Published on *Financial Innovation*