

CHEK YIN CHOI

PERSONAL INFORMATION

Date of Birth	02 November 1995
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EDUCATION

PhD in Economics, Stockholm University Hedelius Scholarship - 500,000 SEK	2020-
Visiting PhD Student, Bocconi University	Feb-April, 2025
Visiting Graduate Student, University of Wisconsin-Madison	Sep-Dec 2019
Masters in Economics, Ludwig Maximilian University of Munich Grade average achieved: 1.53–(in 1.0 -6.0 scale)	2017 - 2020
Bachelors in Business Economics, Martin Luther University of Halle-Wittenberg Deutschlandstipendium (Germany Scholarship) (2016) Grade average: 1.80–(in 1.0 -6.0 scale)	2013 - 2017

WORK IN PROGRESS

Supplier Search and Market Concentration

Abstract: I analyze how falling search costs - driven by improvements in communications and transportation technology since the late 1990s - have affected firm size distribution and allocative efficiency. Lower costs have enabled smaller firms to source inputs internationally, reflected in the declining size of median and lower-percentile importers. Meanwhile, top importers have also grown, driving up market concentration. I suspect these trends originate from the structure of the intermediate goods market. In Swedish import data, I find that input prices exhibit rising variance and are negatively correlated with productivity. Based on my empirical findings, I develop a quantitative search-and-bargaining model in which search costs serve as both expansion cost and entry barrier. I find that decreasing search cost sometimes favor the most productive firms and sometimes smaller ones. Consequently, market concentration and efficiency respond non-monotonically to changes in search costs.

When Unified Market meet Local Markets: How Big Firms Drive Local Price Dynamics?

Inflation Persistence and a new Phillips Curve

with Marcus Hagedorn, Juan Llavador and Kurt Mitman

Abstract: Auclert et al. (2024) recently argued that, to first order, menu-costs models deliver the same New Keynesian Phillips Curves as time-dependent models in response to AR1 shocks. We show here that when considering a broader class of shocks, menu-costs models can generate qualitatively and quantitatively different Phillips curves than implied by time-dependent models. Shocks to the growth rate of nominal demand generate

inflation persistence in the model, in line with the data, but at odd with the standard time- dependent NKPC. Changes in the extensive margin of price adjustment in the menu-cost model generate history dependence that is captured by the lagged inflation rate. Once we control for lagged nominal demand growth, the explanatory power of lagged inflation drops significantly. The reason is that nominal demand growth is a second determinant of inflation in the Phillips curve in menu-cost models and inflation therefore inherits the persistence of the process for nominal demand.

WORK EXPERIENCE

Software Development Research Assistant

Spring 2018 - Summer 2019, Spring 2020

G-Node (German Neuroinformatics Node), Munich

Programming primarily with Python and Go in an test-driven and object-oriented style

Developing Python libraries for neuroscience data which facilitates data storage, analysis and sharing among neuroscientists

Developing functions, storage format and command-line tools for the neuro-database system

Research Intern

May-June 2017

Halle Institute for Economic Research (Leibniz Association), Halle (Saale)

Working in macroeconomics research group

Assisting researches on inflation and tax

Analyzing data and constructing dataset using Stata

Business Development Intern

Oct 2016-Jan 2017

Demoup GmbH, Berlin

Online product video Platform for online shops, such as MediaMarkt or Target

Responsibility: Contacting Brands, Managing Video Database

TEACHING EXPERIENCE

Teaching Assistant, Microeconomics I (PhD)

2021

Stockholm University

PRESENTATIONS

2025: Umeå NEWER Workshop, Bocconi University, (Planned): 3rd RISE Workshop, Kiel University (Online)

2023: Swiss-Swedish Macro Workshop

SKILLS

Tools Git, Python, LaTeX, C++, C#, Matlab, Fortran

Languages Catonese Mother tongue

English Fluent

Mandarin Conversational

German Conversational

Japanese Basic