YONGKUN YIN

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RESEARCH INTERESTS

Primary: Macroeconomics, Labor Economics.
Secondary: Development Economics, Family Economics.

EDUCATION

Center for Monetary and Financial Studies (CEMFI) — Madrid, Spain
PhD in Economics — 2019 - 2023 (expected)
Master in Economics and Finance — 2017 - 2019

Xi'an Jiaotong University (XJTU) — Xi'an, China
Master in Economics — 2014 - 2017
Bachelor in Economics — 2010 - 2014

Kiel Institute for the World Economy (Kiel IfW) — Kiel, Germany
Advanced Studies Program (course *Economic Development*) — May 2016

REFERENCES

Sebastián Fanelli
Associate Professor
CEMFI
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Nezih Guner (advisor)
Professor
BSE, CEMFI, UAB
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Josep Pijoan-Mas
Professor
CEMFI
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JOB MARKET PAPER

Missing Women: A Quantitative Analysis

Presentations: Shandong University (2022), Northwest A&F University (2022, scheduled)

Abstract: The sex ratio, males per female, is well above one in China, India, and other South and East Asian countries. Parents in these countries want more boys, exercise sex-selective abortions, and invest less in their daughters' education. Why do parents favor sons over daughters? What policies can be effective in normalizing the sex ratio? To answer these questions, I build an overlapping-generation model of fertility, sex selection, the quantity-quality trade-off, and marriage and estimate it for India. The quantitative analysis reveals that the main drivers of missing women are economic factors, i.e., old-age support by sons, dowry payment for daughters, and labor market discrimination against women. If the gender differences in these economic factors are removed, the sex ratio at birth (SRB) would reduce from 1.14 to 1.05. The fertility rate would drop from 3.1 to 2.4, and the share of women with secondary education would increase from 49% to 72%. The sons would also benefit from lower fertility, and the share of men with secondary education would rise from 65% to 79%. Once the economic factors become gender-neutral, eliminating intrinsic son preferences has a small additional effect. A subsidy for female births or female education, commonly-implemented policies in India and elsewhere, can both reduce the SRB. However, the former increases fertility and reduces children's education and women's labor supply, while the latter has the opposite effects. Finally, a pay-as-you-go pension system can lower the SRB to 1.09, but it also reduces children's educational attainment, as parents value them now less.

WORKING PAPERS

China's Demographic Transition: A Quantitative Analysis

Presentations: The 8th Toulouse Economics and Biology Workshop (2021), Family Macro Seminar Series (2021), the IV Workshop of the Spanish Macroeconomics Network (2021), the 2022 EEA-ESEM Congress

Abstract: China's fertility decline was very fast. But the drivers of this decline are not well understood. The common wisdom attributes it to the strict population control policies, particularly the One-Child Policy. Yet, fertility decline might also be due to the spectacular economic transformation and substantial mortality decline. To quantify the effects of different factors on China's demographic and economic transition, I develop a two-sector overlapping-generation model with workers' movement from rural to urban areas and endogenous fertility and education choices. Quantitative analysis shows that even without any population policy, the total fertility rate (TFR) would decline from 6.25 children around 1950 to 2.75 children around 2010. However, the population policies were crucial for TFR to fall below the replacement level and do so very quickly after the 1980s. By around 2010, the cumulative effect of population policies reduced fertility from 2.75 to 1.31 children. The baseline model is also extended to incorporate the *hukou* system, considering that different *hukou* types are linked to different child quotas under the One-Child Policy and government transfers. The extended model suggests that the impact of the *hukou* system on fertility decisions was relatively minor.

How Does Children's Sex Affect Parental Sex Preference: Preference Adaptation and Learning, with Quanbao Jiang and Qianqian Shang

Presentation: The 2022 Population Association of America Annual Meeting

Abstract: This study examines the effects of children's sex on women's sex preferences and investigates the underlying mechanisms. Women's sex preference is measured by the proportion of sons and daughters they would like to have. Based on data from a national representative sample of Peruvian women in the Demographic and Health Survey, we find that if the first child is a daughter, the ideal proportion of sons will be lower by 6.2 percentage points (pp), and the ideal proportion of daughters will be higher by 5.3 pp. Moreover, if the first two children are daughters, the ideal proportion of sons will be lower by 8.9 pp, and the ideal proportion of daughters will be higher by 6.2 pp. Further analysis shows that the effects of the sex of the first child are stronger for women with only one child than for women with multiple children and that the effects of having a daughter depend on her birth order, suggesting that both preference adaptation and learning play important roles in generating the effects of children's sex on parental sex preference.

Intergenerational Transmission of Fertility: Evidence from China's Population Control Policies

Abstract: This paper examines how the number of siblings that parents have affects their fertility decisions. I exploit the population control policies in China, which affected individuals unequally across birth cohorts and regions. The exogenous variation in fertility is used to identify the effect of the number of siblings on the number of children for the next generation. The results show that a couple tends to have 0.068 more children (4.3% of the average number of children) and is 5.6 percentage points more likely to violate the One-Child Policy (19.4% of the violation rate) if the husband and the wife have one more sibling each. Moreover, the effect on fertility is stronger for couples in rural areas where the One-Child Policy was enforced less strictly. I also show that ideal family size, especially that of the wife, is an important channel through which the number of siblings affects fertility.

WORK IN PROGRESS

Evaluating the Impact of Hukou Reform on Fertility and Human Capital Accumulation during China's Urbanization, with Shengzhi Mao and Jipeng Zhang

PUBLICATIONS

Gender Role Attitudes and Fertility Revisited: Evidence from the United States, with Qianqian Shang. *Population Review*, 2020.

The Impact of within-Household Relative Income on Happiness: Does Gender Identity Matter?, with Wan-Hsin Liu and Qianqian Shang. *Journal of Research in Gender Studies*, 2018.

Industrial Robots and Firm Entry, with Shaojian Chen and Hui Mao. *Economic Science*, forthcoming. (In Chinese.)

Leader Origin, Local Information and Regional Economic Growth: New Evidence from Chinese City-level Data, with Shaojian Chen and Zongxian Feng. *South China Journal of Economics*, 2019. (In Chinese.)

The Effects of Climatic Change on Unrest in North China Plain during Qing Dynasty, with Ming Lei and Weihua Yu. *Research of Institutional Economics*, 2015. (In Chinese.)

RESEARCH EXPERIENCE

CEMFI Madrid, Spain
Research Assistant to Sebastián Fanelli. Oct 2019 - present
Project: Export Survival with Uncertainty and Experimentation.

Research Assistant to Nezih Guner. Jul 2018 - Aug 2018
Project: Demographic Transition Across Time and Space.

Kiel IfW Kiel, Germany
Research Assistant to Wan-Hsin Liu. May 2016 - Jul 2016
Project: Financial System Reform and Its Impact on Outward FDI of Private-owned Enterprises.
Sponsored by German Academic Exchange Service (DAAD).

TEACHING

CEMFI Madrid, Spain
Teaching Assistant, *Macroeconomics I* Spring, 2022
Teaching Assistant, *Macroeconomics II* Spring, 2021
Teaching Assistant, *Microeconometrics* Fall, 2019

XJTU Xi'an, China
Teaching Assistant, *University Economics* Spring, 2015
Teaching Assistant, *Principles of Economics* Fall, 2014

AWARDS

PhD Scholarship CEMFI 2019 - 2023
María de Maeztu Excellence Scholarship CEMFI 2018
M.Sc. Scholarship CEMFI 2017
Short-term Scholarship for Master's Degree Students DAAD 2016
Jing Shuping Scholarship XJTU 2016
National Scholarship XJTU 2015
Siyuan Scholarship XJTU 2013
National Scholarship XJTU 2012
National Encouragement Scholarship XJTU 2011

SKILLS

Software: Matlab, Stata, R, Latex.
Languages: Chinese (native), English (fluent), Spanish (basic).

PLACEMENT COORDINATORS

Dmitry Arkhangelsky
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