

Résumé – Zhiwen Wang

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EDUCATION

University of Pittsburgh	Pittsburgh, U.S.
Ph.D. program in Economics, Department of Economics	Aug. 2020 - Present
National University of Singapore	Singapore
Master by Research in Management, NUS Business School	Aug. 2015 - Jan. 2018
<ul style="list-style-type: none">• Doctoral Economics Modules: Applied Economics, Labour Economics, Applied Econometrics I & II.• Awarded President's Graduate Fellowship	
M.Sc. in Quantitative Finance, Department of Mathematics	Aug. 2013 - Feb. 2015
Xi'an Jiaotong University	Xi'an, China
B.A. in Economics	Aug. 2010 - Jul. 2013
1st year in Clinical Medicine	Aug. 2009 - Jul. 2010

RESEARCH INTEREST

Development, Inequality, Labor

WORKING PAPERS

* Presenting author, † presentation by co-author

Nutrition, Labor Supply, and Productivity: Evidence from Ramadan in Indonesia (with Zihan Hu; Presented at NUS*, Pitt*, ASHEcon†, WEAI†, NEUDC†)

We find immediate, adverse effects of nutrition deficiency on labor supply and productivity among non-physical workers. Using high-frequency data from an Indonesian retailer, we exploit the nutrition shock induced by Ramadan fasting. Comparing fasting and non-fasting workers, our event-study approach shows a 30% decrease in productivity for fasting salespersons during the two hours before sunset, when they experience the most energy deficiency. Their productivity recovers immediately after sunset, when they break their fast. They leave work 32 minutes earlier during the hours of the greatest energy deficiency. The effects are consistent with the nutrition mechanism and are not likely driven by major competing explanations.

The Causal Effects of Alcohol Consumption on Health, Crimes, and Socio-economic Outcomes (with Sumit Agarwal and Jussi Keppo; Presented at NUS*, InaHEA*, AASLE*)

Alcohol has been used for personal consumption and socializing for thousands of years. The past literature has documented the correlation between alcohol consumption, diseases, crimes, and some socio-economic outcomes. However, the correlational evidence appears inconsistent, and the causality is not yet well established. Moreover, there are little systematic causal estimates on alcohol harms using a full population sample. Here we fill these gaps by utilizing the deregulation of travelers' tax-free alcohol import in Finland in 1995. After the deregulation, the Finnish travelers' alcohol import increased by 194%.

We first show that alcohol consumption increased more significantly in Finnish municipalities closer to the border crossing points. Then by comparing close municipalities with far municipalities, we find that the increased availability of tax-free alcohol: (i) increased the prevalence of epilepsy by 2.9% and asthma by 3.1%, and decreased coronary heart disease by 4.4%, while it did not significantly affect diabetes, rheumatoid arthritis, or hypertension; (ii) it reduced employment rate by 2.3%, voter turnout by 5.4%, and vocational education by 0.8%, but there were no significant impacts on higher education, young women's pregnancies, or suicide; (iii) impulsive crimes such as assault, aggravated property damage, and manslaughter surged significantly by 28.5%, 53.1%, and 17.3%, respectively, yet premeditated crimes like murder, theft, and fraud remained unchanged. Our findings have significant implications on public policy debates on alcohol consumption and the associated health, social, and economic cost.

WORKS IN PROGRESS

Sunset, Sleep Deprivation, and Labor Performance (with Jussi Keppo and Hongchao Zhao)

The Morale and Incentive Effects of Promotion Fairness on Labor Performance (with Zihan Hu)

GRANT UNDER REVIEW

Co-PI (with Alberto Salvo and Junjian Yi). **Climate Change, Agricultural Production, Food Security, and Food Safety. SG\$ 338,336.** The Singapore Millennium Foundation Grant. 2020-22.

ACADEMIC EMPLOYMENT

Centre for Family and Population Research, National University of Singapore Singapore
Full-time Research Assistant Feb. 2018 - Jun. 2020

- Work as an economic researcher; conceive research idea and conduct empirical design; perform data collection, cleaning, and analyses; write academic papers.

NUS Business School, National University of Singapore Singapore
Part-time Research Assistant Aug. 2015 - Feb. 2017

- Worked for Prof. Jussi Keppo and assisted in data analyzing and draft revising in: **Risk Targeting and Policy Illusions - Evidence from the Announcement of the Volcker Rule**, published in *Management Science*.

Teaching Assistant Jan. 2017 - Mar 2017

- Tutor for Module DCS2008 **Business Analytics** on applications of basic statistics, hypothesis tests, multivariate regression, statistical inference, model diagnostics, etc.

ENTREPRENEURSHIP

Fruitism Internet Company **Founder & General Manager** Jun. 2011 - Jun. 2012

- Founded a B2C website focusing on online fruit business;
- Awarded the Third Prize of National University E-Business Competition, top 3% of 7,000 teams.

i-Lin Literature Club **Co-founder & Vice President** May 2010 - Jun. 2011

- Established the first library in a residential college with a collection of over 500 books;
- Directed a quarterly literary magazine, literature seminars, and several book exhibitions.

LANGUAGES & TESTS & IT SKILLS

Languages English (Fluent), Mandarin (Native)
IT Skills Stata (>1200h), Python (>300h), \LaTeX (> 300h), R (>250h), Matlab (>200h), ArcGIS (>100h)
Tests GRE: 325, Q 168, V 157; GMAT: 770/800 (Top1%), Q 98%, V 96%; IELTS: 7.0
Certification Financial Risk Management (FRM) Level 2

REFERENCES

Sumit Agarwal Low Tuck Kwong Distinguished Professor, National University of Singapore
Jussi Keppo Associate Professor, National University of Singapore
Aloysius Siow Professor of Economics, University of Toronto