

Resume – Zhiwen (Steve) Wang

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EDUCATION

National University of Singapore Singapore

Master by Research in Management, NUS Business School Aug. 2015 - Jan. 2018

- **Doctoral Economics Modules (GPA 4.6/5):** Applied Economics, Labour Economics, Applied Econometrics I, Applied Econometrics 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.Sc. in Economics Aug. 2010 - Jul. 2013

- **Economics Modules (GPA 89.3/100, RANK: 1/34):** Microeconomics, Macroeconomics, Econometrics, Economic Mathematical Modeling, Industrial Economics, Consumer Economics, Economic Law.
- **Mathematics Modules (GPA 91.2/100, RANK: 1/34):** Advanced Mathematics (II) 1, Advanced Mathematics (II) 2, Statistics, Linear Algebra and Analytic Geometry, Probability and Mathematical Statistics, etc.

Majored in Clinical Medicine Aug. 2009 - Jul. 2010

RESEARCH FIELDS

Health Economics Primarily the economics of unhealthy behaviors

Labor Economics Primarily the determinants of labor performance at work

WORKING PAPERS

Nutrition, Labor Supply, and Productivity: Evidence from Ramadan in Indonesia (with Zihan Hu; Under Review at *American Economic Review*; Presented at ASHEcon, WEAI, Cornell U, Peking U)

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. Our event-study approach shows a 30% decrease in productivity for Muslim 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 Effects of Alcohol Consumption on Health, Crime, and Socio-economic Outcomes (with Sumit Agarwal and Jussi Keppo; Presented at NUS, InaHEA (Scheduled), AASLE (Scheduled))

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 causality is not yet well established or appears inconsistent, and there are little systematic causal analyses on alcohol harms using a full population sample. Here we utilize the deregulation in travelers' alcohol import in Finland 1995 to fill these gaps. After the deregulation, the travelers' alcohol import increased by 194%. We find some evidence indicating that alcohol consumption increased more significantly in Finnish municipalities closer to the border crossing points.

We show that the increased availability of tax-free alcohol in municipalities close to the border crossing points relative to those far away: (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, and hypertension; (ii) it reduced employment 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, and 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.

ACADEMIC EMPLOYMENT

Centre for Family and Population Research, National University of Singapore Singapore

Full-time Research Assistant Feb. 2018 - Present

- Worked as an independent researcher; conceive research question and conduct research 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 for a year 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*. We find that after the announcement of the Volcker Rule, the affected banks reduced their trading assets but did not lower their overall risk level. To keep risk targets, they raised their trading risk and decreased the hedging of their banking business.

Teaching Assistant Jan. 2017 - Mar 2017

- Teach tutorials in module **DCS2008 Business Analytics** at NUS Business School for sophomores on data analysis, e.g., 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 San Chuang E-Business Competition, top 3% of 7,000 teams.

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

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

LANGUAGES & IT SKILLS

Languages English (Fluent), Mandarin (Native)

IT Skills Stata (>1200h), Python (>300h), \LaTeX (> 300h), R (>250h), Matlab (>200h), ArcGIS (>100h)

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

Updated November, 2019