

# SHAN HUANG

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DIW Berlin  
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RESEARCH INTERESTS      Health Economics, Applied Microeconometrics, Empirical Industrial Organization

EDUCATION      **PhD Student** *since 2017*  
German Institute for Economic Research (DIW Berlin), Berlin School of Economics  
Scholarship of the DIW Graduate Center (Oct 2017 - Dec 2018)  
Advisors: Prof. Hannes Ullrich, Prof. Tomaso Duso

**Research Master in Economics (M.Sc.)** *Aug 2015 - Aug 2017*  
Tilburg University (CentER Graduate School). Final Grade: 7.5 (Dutch Scale; *with distinction*)  
Thesis: “The Effect of a Ban on Gender-Based Pricing on Risk Segmentation in the German Health Insurance Market”  
Advisors: Prof. Martin Salm, Prof. Tobias Klein

**Bachelor of Science in Economics (B.Sc.)** *Oct 2012 - Aug 2015*  
Humboldt University Berlin. Final Grade: 1.5 (German Scale; *very good*)  
Thesis: “Modeling Effects from Chinese New Year in Time Series”  
Advisors: Prof. Wolfgang Härdle, Prof. Michael Burda

**Exchange Semester** *Sep 2014 - Feb 2015*  
Waseda University, Tokyo  
DAAD PROMOS Semester Travel Grant, Society for Economics and Management at Humboldt Universität zu Berlin Travel Grant

REFEREED JOURNAL PUBLICATIONS      *The Effect of a Ban on Gender-Based Pricing on Risk Selection in the German Health Insurance Market*  
[Health Economics](#), 2020  
With Martin Salm

WORK IN PROGRESS      *Physician effects in antibiotic prescribing: Evidence from physician exits*  
With Hannes Ullrich

Antibiotic resistance is a severe problem within our current health systems. One of the main strategies to combat the rise of antibiotic resistance is to improve physicians’ antibiotic prescribing practices. However, this strategy requires that differences in physicians’ practice styles have a sufficient impact on the antibiotic intake in the outpatient population. In this paper, we investigate how the physician identity affects patients’ antibiotic intake and health outcomes. We first show that geographic variation in antibiotic intake exists even in a generally low-prescribing country such as Denmark, and that patterns of variation are determined by prescriptions from general practitioners. We then investigate the extent to which physician effects contribute causally to variation in antibiotic prescribing between general practitioner clinics when patient or regional differences are held fixed. We also relate physician effects to physician characteristics to learn about which elements characterize practice style differences. At last, we examine the effect of physicians’ prescribing styles on patient health measured by preventable hospitalizations due to infections. To separately identify the effect of physician differences from patient and geographical differences, we leverage

quasi-experimental variation in patient-physician relations due to physician exits from general practitioner clinics.

NON-REFEREED PUBLICATIONS AND POLICY CONTRIBUTIONS	<i>Risk Segmentation in the German Health Insurance Market</i> With Martin Salm jointly published by <a href="#">BCCP News</a> and <a href="#">BSE Insights</a> , December 16 2020  <i>Unisex-Regelung verringerte Geschlechterlücke beim Wechsel zur privaten Krankenversicherung (German)</i> With Martin Salm <a href="#">DIW Wochenbericht 44 / 2020</a> , October 28 2020  <i>Gefahr durch Armut: Corona macht eben doch nicht alle gleich (German)</i> Guest commentary in the <a href="#">Frankfurter Rundschau</a> , July 11 2020  <i>Corona-Tests sind zu selektiv, um auf tatsächliche Infektionszahlen zu schließen (German)</i> <a href="#">DIW aktuell 33 / 2020</a> , April 16 2020  <i>The importance of (non-selective) testing for understanding the SARS-CoV-2 pandemic</i> <a href="#">BSE Insights</a> , April 1 2020										
EXPERIENCE	<table><tr><td><b>Research Assistant</b> Department of Economics (University of Copenhagen)</td><td><i>Jun 2019 - present</i></td></tr><tr><td><b>Research Associate</b> Firms and Markets Department (DIW Berlin)</td><td><i>Jan 2019 - present</i></td></tr><tr><td><b>Research Assistant</b> Tilburg Law and Economics Center (Tilburg University)</td><td><i>Apr 2017 - Aug 2017</i></td></tr><tr><td><b>Teaching Assistant</b> Department of Econometrics &amp; Operations Research (Tilburg University) Statistics 2 (Undergraduate course)</td><td><i>Sep 2016 - Feb 2017</i></td></tr><tr><td><b>Student Assistant at Computer and Media Support</b> Humboldt University Berlin</td><td><i>Oct 2013 - Jul 2015</i></td></tr></table>	<b>Research Assistant</b> Department of Economics (University of Copenhagen)	<i>Jun 2019 - present</i>	<b>Research Associate</b> Firms and Markets Department (DIW Berlin)	<i>Jan 2019 - present</i>	<b>Research Assistant</b> Tilburg Law and Economics Center (Tilburg University)	<i>Apr 2017 - Aug 2017</i>	<b>Teaching Assistant</b> Department of Econometrics & Operations Research (Tilburg University) Statistics 2 (Undergraduate course)	<i>Sep 2016 - Feb 2017</i>	<b>Student Assistant at Computer and Media Support</b> Humboldt University Berlin	<i>Oct 2013 - Jul 2015</i>
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WORKSHOPS, SEMINARS, AND CONFERENCES	<b>2018:</b> EBE&CRC/TR-190 Summer School: Applied Microeconomics - Topics and Methods (Ohlstadt), 5th Workshop of the DGGÖ Committee Gesundheitsökonomie (Essen) <b>2019:</b> Econometric Society Summer School in Dynamic Structural Econometrics (Chicago), DIW Berlin GC Summer Workshop <b>2020:</b> Evidence Based Economics Summer Meeting (Herrsching at Lake Ammer; postponed to 2021), 7th Workshop of the DGGÖ Committee Gesundheitsökonomie (Online), DIW Berlin GC Winter Workshop										
SKILLS	<b>Software:</b> Stata, R, Matlab, Latex, SPSS, Office <b>Languages:</b> German (Native), English (Fluent, TOEFL 116 iBt), Chinese (Intermediate, HSK IV), Japanese (Intermediate, JLPT N3), French (Basic)										

PERSONAL  
INFORMATION

**Date of Birth:** 01 April 1995  
**Citizenship:** German