

# XINYU GUO

Department of Economics , Iowa State University

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## EDUCATION

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### Iowa State University

· *Ph.D. in Economics* 2016-Present

### Shandong University (Shandong, China)

· *M.A. in Economics* (left without graduation) 2014-2016

### Nankai University (Tianjin, China)

· *B.A. in Industrial Engineering* 2007-2011

## WORKING PAPER

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### Subsidies in cap-and-trade regulation: can society benefit and who captures them?

- develop a model of heterogeneous entry in cap-and-trade regulated industry
- show collateral requirement can distort entry and production patterns but subsidy can alleviate this
- compare quota subsidy v.s. fixed-cost subsidy and discuss their distributional impact

### Capacity coordination and strategic underproduction under cap-and-trade (with Quinn Weninger and Désiré Kédagni)

- present a two-stage game of cap-and-trade regulated production and show how strategic underproduction can be an issue
- study the regulatory countermeasures of quota ownership limits and identify conditions when introducing ownership limits can improve welfare
- use U.S. west coast groundfish fishery as a simulation study

### Allocative preference and allocation procedure

- show how the choice of allocation procedure depends on designer's allocative preference, demographics, and resource scarcity
- come up with an index that measures the difference between two preferences

## WORKING IN PROGRESS

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**Targeted advertising: will better targeting lead to more advertisement?**

**Roommate problem: pick your room and split the bill**

## TEACHING EXPERIENCE

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Lab Instructor:

- *Econ 207 Applied Economic Optimization* F2018
- *Econ 301 Intermediate Microeconomics* F2020
- *Econ 500 Quantitative Methods in Economic Analysis* F2020

Teaching Assistant:

- *Econ 101 Principles of Microeconomics* 2016,2017
- *Econ 102 Principles of Macroeconomics* 2016,2017
- *Econ 235 Introduction to Agricultural Markets* F2018
- *Econ 380 Environmental and Resource Economics* S2021
- *Econ 418 Game Theory* S2019
- *Econ 680 Advanced Resource Economics* S2021

## HONORS AND AWARDS

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James R. Prescott Fellowship , Iowa State University *2019*  
National Scholarship for Graduate Students , Shandong University *2015*

## RELATED TECHNICAL STRENGTHS

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**Programming Languages**      Python (primary); Matlab, GAUSS, R, Stata(working knowledge)

## REFERENCES

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**Quinn Weninger**

Professor (Major Advisor)  
Department of Economics  
Iowa State University  
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**Joydeep Bhattacharya**

Professor  
Department of Economics  
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