

# Andong Yan

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## EDUCATION

**Ph.D in Economics**, University of California, Riverside. Sep 2018 – May 2023(anticipated)

**B.A. & M.A. in Economics**, University of Southern California. Aug 2013 – May 2017

## RESEARCH INTEREST

Political Economics, Development Economics, Comparative Economics, Chinese Economy

## WORK IN PROGRESS

### **Why do Autocrats Grant Privilege? A Principal-Agent Problem with Limited Commitment**

An autocrat equipped with the absolute power dominates over the subordinates, meanwhile a class of aristocrats usually existed in any autocratic regime. This paper considers a principal-agent model with no third-party enforcement. An innovative setting that allows the principal to design the agents' expected vacancy value explains how granting privilege to the agents could optimize the principal's expected profit.

### **How Does Lower Transaction Cost Impact Risk-sharing Activities? Evidence from the Mobile Transaction in China during the Pandemic**

Evidences have been found in literature that the use of new technology could help people in developing countries form and enhance their risk-sharing networks and become more resilient to shocks. This research utilizes the China Family Panel Studies(CFPS) data to conduct an analysis for the risk-sharing activities in rural China during the pandemic.

### **A Survey on Tree-Based Machine Learning Methods: From CART to XGBoost**

A survey on canonical tree-based learning models including decision tree, boosting, gradient boosting, random forest, etc. XGBoost assembles these important ideas and technique and provides an efficient and scalable solution to the general machine learning problems.

### **Lessons from the Rural Chinese Health Insurance: 1950s-2011**

Public health insurance program in China, especially in rural areas, experienced several crucial changes since 1950s till 2011, alongside with the economic reforms during 1980s and rapid economic growth since 1990s. This research documents different insurance schemes used for rural Chinese health system and provides policy implications for the future.

## 中文发表

严安冬.中国资本项目自由化政策及其对经济增长的影响分析.南京财经大学学报, 2018(01):69-76.

## WORKING EXPERIENCE

### Teaching Assistant.

University of California, Riverside

Undergraduate, *Introduction to Microeconomics*

Fall 2019, Spring 2021

### Teaching Assistant.

University of California, Riverside

Undergraduate, *Intermediate Microeconomics*

Winter 2020, Fall 2020

### Teaching Assistant.

University of California, Riverside

Graduate(PhD first year), *Microeconomics Theory*

Spring 2020, Spring 2021

### Associate-Instructor.

University of California, Riverside

Undergraduate, *Introduction to Microeconomics*

Summer 2020

### Grader/Tutor.

University of Southern California

Undergraduate, *Calculus, Intermediate Microeconomics Theory, Intermediate Macroeconomics Theory, Introduction to Statistics for Economists, Introduction to Econometrics*

Fall 2016, Spring 2017

### Teaching Assistant.

University of Southern California

Undergraduate, *Economic Consulting and Applied Managerial Economics*

Spring 2017

### Data Analyst.

Ative Group, Los Angeles

Optimize existing data pipelines, build prediction models to facilitate ad hoc business decisions and visualize e-commerce market data

May 2017 – August 2018

## PROGRAMMING SKILLS

R, Stata, Python, Matlab