

The State of China's State Capitalism

Juann H. Hung • Yang Chen
Editors

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Evidence of Its Successes and Pitfalls

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PREFACE

China's rapid economic growth since the inception of its reform and opening-up policy in late 1978 has been the envy of many developed and developing countries. Its powerful state intervention to keep its economy going after the global financial crisis of 2008 indeed helped the country to serve as a major locomotive of the world economy when most of the advanced economies were stuck in serious and prolonged recession. Ian Bremmer, in an article published in *Foreign Affairs* in 2009 under the title "State Capitalism Comes of Age: The End of the Free Market?", even argued that China's state capitalism was not just an anti-cyclical tool but also a source of its long-run economic boom.

China's success at its experiment with "state capitalism", or "socialism with Chinese characteristics," would seem to suggest that it is an economic model worthy of emulation by other countries. China's state capitalism is a system in which market forces are allowed to operate but subject to powerful and frequent state interventions, and in which the private sector is allowed to expand while state-owned enterprises (SOEs) have remained an important part of the economy to compete with the private sector for resources. To those who are suspicious of a free market system or uncontrolled capitalism such a state capitalism would seem a better model for seeking a good balance of sustained growth and economic stability.

However, after a breath-taking pace of growth over the past three decades, China's growth model is facing increasing challenge on multiple fronts. At home, while its rapid economic growth has lifted the average living standard of its citizens, it is also associated with a substantial increase

in income inequality and unaffordable housing prices. Going forward, China's growth prospect is also becoming more constrained by limited resources such as the labour force, land, and energy. The pollution of air, due to the heavy usage of pollution-intensive fossil fuels during China's rapid industrialization and fast urbanization, has increasingly raised the public's concern about environmental sustainability and efficient use of energy. The Chinese government is now under great domestic and international pressures to conduct a series of deeper reforms in industrial upgrading, environmental protection, and social welfare enhancement. Have these issues been particularly acute because of China's state capitalism?

We hope this book, a collection of research papers on some contemporary economic and financial issues in China, based on rigorous research by the collaboration of students and faculties in International Business School Suzhou in Xi'an Jiaotong-Liverpool University, could help readers draw some lessons about China's state-capitalism growth model. We present these papers as chapters in six parts.

Part I (Chaps. 1 and 2) and Part II (Chaps. 3 and 4) present research on issues resulting from the Chinese fiscal system of revenue centralization and spending decentralization. After the 1994 tax-sharing reform, a mismatch between local governments' revenue and spending responsibilities started to emerge. Consequently, local government increasingly resorted to land sale to help finance their expenditures, arguably resulting in a wide range of severe problems. To name just a few. Sales of public land by government officials are a recipe for corruption. The excessive land acquisitions from peasants with inappropriate compensation breed social conflicts. Conversion of agricultural land for non-agricultural purposes undermines food security. Strategies aiming at reaping more land-sale revenues tend to aid and abet property bubbles. Local governments' rising need to rely on issuing bonds to close their budget gaps has been adding to their debt to GDP ratios. Against this backdrop, Chap. 1 examines the effect of China's fiscal system on local governments' land leasing behaviours, controlling for other factors, both theoretically and empirically. Chapter 2 investigates what factors—such as the fiscal gap, governments' investments in housing, other local governments' spending, and financing behaviour—have contributed to the issuance of urban investment bonds (UIB) across 31 provinces in China. Chapter 3 investigates evidence of housing bubbles in different locations of China by examining housing price data at the provincial and city levels from late 1990s to 2016. Chapter 4 investigates whether the entry of a new Wanda Plaza increases the county-level average land prices, aiming at shedding light on the dynamics between local policymakers and real estate developers.

Part III presents research related to energy and environmental issues in China. China's rapid economic development has resulted in a rapid rise of its excess demand for energy, and of a serious pollution of its environment. Its energy shortage still imposes considerable obstacles on urban development even though substantial government budgets have been devoted to energy-infrastructure constructions such as Three Gorges Project and West-East Electricity Transmission Project. Its severely polluted environment has meant the majority of Chinese people are exposed to unhealthy air, water, and soil. To curb carbon emission, the Chinese government tested a pilot carbon emission trading markets in 2013 to pave way for the official establishment of national carbon market in 2017. As it is potentially the largest carbon trading market in the world, finding the key factors that drive the carbon permit price to help forecast its future price is important for both investors and government. Chapter 5 thus explores the prospect of forecasting the carbon permit price in three pilot markets (Beijing, Shanghai, and Shenzhen) using the structural time-series modelling approach. To shed light on appropriate policies for inducing energy-saving consumption behaviour, Chap. 6 investigates whether consumers under-value future expected electricity costs relative to purchase prices when they choose among different types of refrigerators. The authors found that there is considerable energy efficiency gap in China's refrigerator market, suggesting the need of using government subsidy to encourage consumption of energy-saving electronic appliances.

Part IV presents research related to income inequality. Along with China's remarkable economic growth, income inequality in China has also become more serious. Its Gini coefficient reached 0.491 in 2008, from 0.343 in 1990. Since 2008, China's Gini coefficient has been edging down somewhat, but it was still higher than the worrisome level of 0.4 as of 2015 (at 0.462). Chapter 7 investigates whether China's fiscal system of revenue centralization and spending decentralization has been effective in mitigating the problem of rising inequality. Chapter 8 ascertains whether the rising income inequality has resulted in effective state intervention intended to boost Chinese people's nationalism. Chapter 9 aims to solve the puzzle of the rising gender income inequality in China. The gender income gap started to emerge soon after China's economic reform began in late 1978. After early 1990s, the rise in that gap quickened pace despite the narrowing gap between male and female educational attainment. What happened? Does it reflect a rise in gender discrimination or the change of economic structure?

Part V contains two chapters related to issues in foreign direct investment (FDI). Inward FDI has been instrumental to China's rapid economic growth after the early 1990s. Even though empirical studies of FDI's impact on host countries' economic growth are quite diverse in general, almost all studies focusing on China have found unambiguous evidence that inward FDI made a significant and positive impact on China's economic growth. Clearly, the Chinese government's growth strategy of attracting FDI and their technology transfer by offering various incentives has worked. However, China's outward FDI has been rising faster than its inward FDI in the past decade. Is it partially due to a policy shift in response to the rapid accumulation of China's foreign exchange reserves? Or is it driven by changes in fundamental determinants of FDI flows? Chap. 10 inquires what made FDI inflows more beneficial to China's growth than in most other developing countries. It does so by investigating why in the literature the estimated effect of inward FDI on economic growth is significantly higher in China than in India. Chapter 11 investigates what are the major determinants driving the movement in China's outward FDI.

Part VI presents research intended to shed light on China's corporate tax and the optimal model for forecasting cash flow in various industries in China. Starting from 2000, China's authority has published a series of tax regulations to improve the sophistication of China's tax regime. In 2002, the State Council stopped unauthorized corporate tax rebate from the local government. In 2007, State Council states that the top statutory corporate tax rate becomes 25%, which is lower than the previous tax rate (33%) by 8%. In addition, foreign-invested enterprises (FIEs) and China's domestic enterprises (DEs) share the same corporate tax rate (25%) thereafter (prior to that change, FIEs enjoyed a preferential tax rate of 30%, whereas DEs paid a higher tax rate at 33%). Within the context of 2007 tax reform, Chap. 12 investigates two questions. First, has the 2007 tax reform increased or decreased corporate marginal tax rates of China's listed companies? Second, in what ways are the changes in the marginal tax rate different with respect to companies' characteristics (such as ownership and industry)? Chap. 13 aims to offer an optimal model suitable for forecasting cash flow—the life-blood of a firm—in various Chinese industries. It does so by investigating the relationship between accruals and cash flow prediction in China's industries, drawing upon existing models explored in studies of US and UK industries.

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CONTENTS

Part I	Land and Debt	1
1	Fiscal Decentralization, Yardstick Competition in Determining Chinese Local Governments' Land Conveyance Behavior	3
	Wenyin Yang and Yang Chen	
	1.1 <i>Introduction</i>	3
	1.2 <i>Literature Review</i>	5
	1.3 <i>Theoretical Framework</i>	8
	1.4 <i>The Empirical Framework</i>	14
	1.5 <i>Data Description</i>	19
	1.6 <i>Main Results</i>	20
	1.7 <i>Conclusion</i>	23
	<i>Appendix</i>	25
	<i>References</i>	29
2	Determinants of the Urban Investment Bonds in China	31
	Daike Li and Yang Chen	
	2.1 <i>Introduction</i>	31
	2.2 <i>Background</i>	32
	2.3 <i>Literature Review</i>	35
	2.4 <i>Empirical Strategy</i>	36
	2.5 <i>Data Description</i>	38

2.6	<i>Main Results</i>	39
2.7	<i>Conclusion</i>	47
	<i>Appendix</i>	48
	<i>References</i>	51
Part II	Real Estate Sector	55
3	China's Housing Price: Where Are the Bubbles?	57
	Xiacong Zhang and Juann H. Hung	
3.1	<i>Introduction</i>	57
3.2	<i>Methods of Detecting Housing Price Bubbles in the Literature</i>	59
3.3	<i>Research Method</i>	61
3.4	<i>What Are the Causes of China's Housing Bubbles?</i>	74
3.5	<i>Conclusion</i>	83
	<i>Appendix</i>	85
	<i>References</i>	93
4	When Wanda Plaza Comes to the Yangtze River Delta: Will the Land Prices Increase?	95
	Ziwei Zhang and Yang Chen	
4.1	<i>Introduction</i>	95
4.2	<i>Literature Review</i>	96
4.3	<i>Data</i>	98
4.4	<i>Methodology</i>	99
4.5	<i>Results</i>	101
4.6	<i>Conclusion</i>	110
	<i>Appendix</i>	111
	<i>References</i>	112
Part III	Energy and Environment	115
5	Forecasting the Carbon Price in China Pilot Emission Trading Scheme: A Structural Time Series Approach	117
	Zhao Mengdi and Soo Keong Yong	
5.1	<i>Introduction</i>	117
5.2	<i>Relevant Literature</i>	120

5.3	<i>Preliminary Data Analysis</i>	123
5.4	<i>Modeling the Carbon Permit Prices in the Pilot Markets</i>	126
5.5	<i>Concluding Remarks</i>	131
	<i>References</i>	135
6	The Energy Paradox: Evidence from Refrigerator Market in China	141
	Yuxiang Ren, Fushu Luan, and Hui Zhou	
6.1	<i>Introduction</i>	141
6.2	<i>Literature Review</i>	143
6.3	<i>Research Design</i>	144
6.4	<i>Data Description</i>	152
6.5	<i>Main Results</i>	153
6.6	<i>Conclusion</i>	156
	<i>Appendix</i>	157
	<i>References</i>	161
Part IV	Income Inequality	163
7	Income Inequality in China and the Role of Fiscal Policies: An Empirical Study of Chinese Provincial Data	165
	Fan Zhang and Juann H. Hung	
7.1	<i>Introduction</i>	165
7.2	<i>Literature Review</i>	168
7.3	<i>Empirical Strategy and Data Description</i>	170
7.4	<i>Discussion of Regression Results</i>	176
7.5	<i>Conclusion</i>	179
	<i>Appendix</i>	180
	<i>References</i>	195
8	Does Economic Inequality Matter for Nationalism?	197
	Rui Qian and Juann H. Hung	
8.1	<i>Introduction</i>	197
8.2	<i>Literature Review</i>	199
8.3	<i>Data and Research Methods</i>	202
8.4	<i>Results and Analysis</i>	208

8.5	<i>Recent Development in China's Income Inequality and Nationalism</i>	213
8.6	<i>Conclusion</i>	214
	<i>Appendix</i>	215
	<i>References</i>	217
9	The Rise in China's Gender Income Inequality	219
	Qi Sun and Juann H. Hung	
9.1	<i>Introduction</i>	219
9.2	<i>Data and Methodology</i>	222
9.3	<i>Discussion of Estimation Results</i>	225
9.4	<i>Why Has China's Gender Income Inequality Been Rising Rapidly?</i>	227
9.5	<i>Conclusion</i>	231
	<i>Appendix</i>	231
	<i>References</i>	235
Part V	Foreign Direct Investment	237
10	Inward FDI and Economic Growth: A Comparative Analysis of China Versus India	239
	Ma Yingxi and Juann H. Hung	
10.1	<i>Introduction</i>	239
10.2	<i>Literature Review on Effect of FDI on Economic Growth</i>	241
10.3	<i>Estimated Effect of FDI on Economic Growth in China and India</i>	244
10.4	<i>Why Was the Effect of FDI on Growth Greater in China Than in India?</i>	250
10.5	<i>Conclusion</i>	257
	<i>Appendix</i>	258
	<i>References</i>	260
11	The Role of the Exchange Rate in China's Outward Foreign Direct Investment	263
	Xinyun Ding and Nimesh Salike	
11.1	<i>Introduction</i>	263
11.2	<i>Existing Literature and Methodology</i>	266

11.3	<i>Research Model</i>	268
11.4	<i>Results and Discussion</i>	271
11.5	<i>Conclusion</i>	276
	<i>Appendix</i>	279
	<i>References</i>	283
Part VI	Corporate Finance	287
12	Corporate Marginal Tax Rate Estimation: Evidence Based on China's Listed Companies	289
	Jin Nong and Yang Chen	
12.1	<i>Introduction</i>	289
12.2	<i>Literature Review</i>	291
12.3	<i>Methodology</i>	294
12.4	<i>Data Description and Choice of Variables</i>	297
12.5	<i>Main Results</i>	300
12.6	<i>Conclusion</i>	308
	<i>References</i>	308
13	The Optimal Model for Operating Cash Flow in Chinese Industries	311
	Xiaoyang Tan and Lingyan Zuo	
13.1	<i>Introduction</i>	311
13.2	<i>Literature Review</i>	312
13.3	<i>Methodology</i>	314
13.4	<i>Results</i>	318
13.5	<i>Conclusion</i>	343
	<i>References</i>	344
Index		347

LIST OF FIGURES

Fig. 1.1	Moran's I for spatial autocorrelation in land conveyance fee (2003–2011)	25
Fig. 2.1	Revenue and expenditure ratios. (Notes: LR/CR = (local government revenue)/(central government revenue), LE/CE = (local government expenditure)/(central government expenditure); Data of government revenues and expenditures are sourced from WIND, calculated by authors)	32
Fig. 2.2	Debt balance and debt to GDP ratio of local governments. (Notes: Estimated from the data released by National Audit Office of the P.R.C. (2011) and WIND)	33
Fig. 2.3	Operating model of local government financing vehicles companies. (Source: Feng 2013)	34
Fig. 2.4	The volume of urban investment bonds (1993–2013). (Source: WIND, calculated by authors)	34
Fig. 2.5	Moran's I statistics (2005–2013)	41
Fig. 2.6	Moran's I statistics under four weight matrixes	45
Matrix 1	Rank matrix in 2004	48
Matrix 2	Weight matrix based on GDP rank in 2004 with row standardization	49
Fig. 3.1	Housing price/disposable income. Data from CEIC and processed by authors	58
Fig. 3.2	Generalized sup ADF test	63
Fig. 3.3	Number of bubble provinces in China. (Detected by GSADF test at 5% significance level)	66
Fig. 3.4	Average number of provinces/municipalities where H0 is rejected at 5% significant level	68

Fig. 3.5	Distribution of China's housing bubbles detected by GSADF test	70
Fig. 3.6	GSADF test on log of US population (window = 20)	76
Fig. 3.7	GSADF test on log of US population (window = 8)	76
Fig. 3.8	GSADF test on log of US population (window = 16)	77
Fig. 3.9	Urban home-ownership rate in China vs some other countries. (Sources: Eurostat 2012; Statistics Bureau of Japan 2008; Statistics Korea 2005; CHFS 2013)	78
Fig. 3.10	Multi-house ownership rates in two groups of families in China	78
Fig. 3.11	Response of housing price to policy changes (Beijing)	81
Fig. 3.12	Response of housing price to policy changes (Jiangsu)	81
Fig. 3.13	Response of housing price to policy changes (Zhejiang)	82
Fig. 3.14	Response of housing price to policy changes (nationwide). (Detected by GSADF test at 5% significance level)	82
Fig. 5.1	2014 global CO ₂ emissions. (Source: Boden, T.A., Marland, G., and Andres, R.J. (2017). National CO ₂ Emissions from Fossil-Fuel Burning, Cement Manufacture, and Gas Flaring: 1751–2014, Carbon Dioxide Information Analysis Center, Oak Ridge National Laboratory, U.S. Department of Energy, doi 10.3334/CDIAC/00001_V2017)	118
Fig. 5.2	Location of pilot carbon trade schemes in China. (Source: SEI 2012)	119
Fig. 5.3	Logarithms of average transaction price for three pilot carbon emission trading markets	125
Fig. 5.4	Logarithm of energy prices	127
Fig. 5.5	Prediction of movements of carbon allowance prices for Beijing	131
Fig. 5.6	Prediction of movements of carbon allowance prices for Shanghai	132
Fig. 5.7	Prediction of movements of carbon allowance prices for Shenzhen	133
Fig. 6.1	Sales volume and average price	153
Fig. 6.2	Sales volume and daily power consumption	154
Fig. 9.1	Gender income gap in China, 1994–2014	220
Fig. 9.2	Number of employees in SOE and private sector, 1989–2016. (Source: Ministry of Human Resources and Social Security)	229
Fig. 9.3	Urban share of employment (%). (Source: Ministry of Human Resources and Social Security)	230
Fig. 9.4	GDP share of construction (%). (Data Source: National Bureau of Statistics)	230
Fig. 10.1	FDI/GDP ratio in China and India (1980–2013)	255
Fig. 10.2	FDI inflows in China and India (million of USD)	256

Fig. 11.1	Chinese outward FDI flow, 1990–2016 (billion USD). (Source: UNCTAD, Division on Investment and Enterprise)	264
Fig. 11.2	Ratio of Chinese outward FDI and inward FDI over GDP (1990–2016). (Source: UNCTAD, Division on Investment and Enterprise)	264
Fig. 12.1	Trend of annual mean of MTRs	301
Fig. 12.2	Frequency table for annual MTRs (%)	302
Fig. 12.3	The trend of weighted mean for each kind of ownership	304
Fig. 12.4	Trend of weighted mean of MTRs by industry	306
Fig. 13.1	Residual plot of whole and retail sales	325
Fig. 13.2	Residual plot of electricity, heat and gas supply	328
Fig. 13.3	Residual plot of business services in cash flow Model I and cash flow Model II	330
Fig. 13.4	Residual plot of mineral mining in cash flow Model I and cash flow Model III	331
Fig. 13.5	Moran' I scatter plot for different industries in year 2009	333
Fig. 13.6	Time and decomposition plots of quarterly operating cash inflow and net flow of electricity, heat and gas supply	334
Fig. 13.7	Sample ACF of quarterly operating cash inflow, first differenced series and seasonally differenced series	336
Fig. 13.8	Ljung-box test of seasonal time-series model for operating cash inflow and net flow	340
Fig. 13.9	Fitted vs actual model of operating cash flow for electricity, heat and gas supply	343

LIST OF TABLES

Table 1.1	Benchmark models with GMM, 2SLS and OLS estimations	26
Table 1.2	GMM estimations with IVs	26
Table 1.3	GMM estimations using different IVs	27
Table 1.4	Introducing first-order time lag of the dependent variable and the first-order time lag of spatial lag	27
Table 1.5	Models using different measures of competition	28
Table 1.6	Robustness check using railway distance-based spatial weight matrix	28
Table 2.1	Summary statistics of main variables of interests	38
Table 2.2	Estimations based on rook contiguity weight matrix	43
Table 2.3	Moran's I statistics under four weight matrixes	45
Table 2.4	Estimations under four weight matrixes	46
Table 3.1	Right-tail ADF tests on rent index of major cities in China	64
Table 3.2	GSADF test on nationwide housing price	66
Table 3.3	Calculating the severity points of housing price bubbles, the example of Anhui (window size = 40)	69
Table 3.4	The severity of housing price bubbles by province, based on points derived from GSADF tests	69
Table 3.5	The duration of all bubble episodes in bubble provinces (months)	71
Table 3.6	The price/rent ratio in different Chinese cities (annual average)	73
Table 3.7	Summary of key changes in housing policies, 2007–2014	79
Table 3.8	Loan-rate and reserve-rate cuts in 2015	80
Table 4.1	Benchmark estimations for residential land	102
Table 4.2	Benchmark estimations for commercial land	103
Table 4.3	Benchmark estimations for industrial land	104

Table 4.4	DID estimations for residential land	106
Table 4.5	DID estimations for commercial land	108
Table 4.6	DID estimations for industrial land	109
Table 4.7	Tabulations of when and where Wanda Plazas opened	111
Table 4.8	Summary statistics of land data	111
Table 5.1	Summary statistics for the variables of interests	126
Table 5.2	Summary statistics for the prices of energy sources	128
Table 5.3	The correlation coefficients	128
Table 5.4	STSM estimation of the pilot carbon markets in Beijing, Shanghai, and Shenzhen	130
Table 5.5	Root mean squared forecast errors for STSM and AR models	133
Table 6.1	Electricity price of Jiangsu Province in 2013	149
Table 6.2	Estimation results	154
Table 7.1	The summary of variables (all data of fiscal variables are in millions of RMB)	174
Table 7.2	The percentage share of each tax category in the total local tax revenues	174
Table 7.3	The percentage share of each expenditure item in total local expenditure	175
Table 7.4	Fixed-effect estimation results (the value in brackets represents the t-statistic)	177
Table 8.1	Summary statistics of nationalism data	204
Table 8.2	Correlation matrix of positive responses to nationalistic statements	205
Table 8.3	Summary statistics of panel dataset	206
Table 8.4	Nationalism and economic inequality across 20 countries (areas) over 5 waves from 1990 to 2014, OLS estimates	209
Table 8.5	Chinese response to survey on “how proud are you of your nationality?” (% of respondents)	211
Table 9.1	Basic statistics of Chinese male and female workers (2015)	223
Table 9.2	Estimated explanations for gender income gap in three Chinese occupations	225
Table 10.1	Summary of literature showing positive effect of FDI on economic growth	244
Table 10.2	Summary of literature showing weak, ambiguous or negative effect of FDI on economic growth	246
Table 10.3	The impact of 1% FDI growth on GDP growth (different papers’ results)	248
Table 10.4	Literacy rate, adult total (% of people ages 15 and above)	251
Table 10.5	School enrolment ratio (% gross) from 1980 to 2015	252
Table 10.6	Transportation infrastructure in China and India	253
Table 10.7	Communication infrastructure in China and India	254

Table 11.1	Summary of variables	270
Table 11.2	List of host economies by continent	271
Table 11.3	OLS results including all control variables (dependent variable: <i>lnOFDI</i>)	273
Table 11.4	OLS results including variables of interests (dependent variable: <i>lnOFDI</i>)	274
Table 11.5	Panel regression (dependent variable: <i>lnOFDI</i>)	275
Table 11.6	Results for country dummy	277
Table 12.1	A brief summary of tax reform in China's corporate statutory tax rate	297
Table 12.2	Variable definitions	298
Table 12.3	Summary statistics of key variables	298
Table 12.4	Sample classification by industry	299
Table 12.5	Sample classification by ownership	299
Table 12.6	Descriptive statistics of the annual Marginal Tax Rates (MTRs)	300
Table 12.7	The distribution of annual MTRs in each range	302
Table 12.8	The weighted MTRs by ownership	303
Table 12.9	The distribution of companies' annual MTRs in each range by ownership	305
Table 12.10	Weighted mean in terms of registration capital	307
Table 13.1	Sample selection and distribution	319
Table 13.2	Descriptive statistics	320
Table 13.3	Pearson (Spearman) correlations below (above) the diagonal of matrix	322
Table 13.4	Abnormal accrual model	324
Table 13.5	Cash flow regression model results	326
Table 13.6	Results for Moran's I spatial autocorrelation test	332
Table 13.7	Results of seasonal model for different industries using exact-likelihood method $(1 - B)(1 - B^4)r_t = (1 - \theta_1 B)(1 - \theta_4 B^4)a_t$	338
Table 13.8	Prediction results of two-year-ahead operating cash inflow and operating net cash flow	341