Provided by Massey Research Online

Copyright is owned by the Author of the thesis. Permission is given for a copy to be downloaded by an individual for the purpose of research and private study only. The thesis may not be reproduced elsewhere without the permission of the Author.

Barriers to Rural Women's Involvement in Economic Activities: Evidence from Shaanxi, China

A Dissertation presented in partial fulfilment of the requirement for the degree of

Doctor of Philosophy in Economics

At Massey University, Manawatu, New Zealand

Mei Yang 2017

Abstract

With China's fast development in urbanization and agricultural modernization, rural women are one of the most affected yet ignored groups in society. However, strong evidence has shown that women's active economic participation can not only reduce the likelihood of household poverty, but also improve distributional dynamics within a household. With first-hand data collected from three areas in one province, this research studies rural women's barriers to economic participation in farming and off-farm employment under the government's policy of land transfer. It is found that rural women are facing different challenges and have diversified needs and aspirations. There is a mismatch between the training local government offered and what rural women really want. The study of women professional farmers aims at building an updated understanding of rural women within the fast pace of China's modernization. This research covers some of the critical factors of economic growth, such as the role of geography, gender, history and institutions. The findings provide information to policy makers, researchers and social organizations concerned with the future of rural women, and assist the sustainable implementation of the land transfer policy and gender equality.

Table of Contents:

Abstract		III
List of Tables	S	IX
List of Figure	es	XI
Abbreviations	S	XII
Acknowledge	ements	.XIII
Chapter 1. Int	troduction	1
1.1. State	ement of the Problem	1
1.2. Rese	earch Questions	2
1.3. Obje	ectives of the Study	2
1.4. Chaj	pter Outline	3
Chapter 2. Ba	ackground, Theoretical Base and Literature Review	5
2.1 Back	kground Information	5
2.1.1.	Hukou System	5
2.1.2.	The Evolution of the Rural Land Property System in the PRC	9
2.1.3.	On Agricultural Extension and Technical Trainings	14
2.2. Theo	oretical Base: Development Economics	19
2.2.1	Lewis's Dual Sector Model and Todaro's Development Model	20
2.2.2	Likonomics	23
2.2.3	Summary	25

2.3 I	Literature Review	27
2.3.1	Urban- rural gap, Regional gap, and Gender gap in China	27
2.3.2	Studies on Gender, Economics, and Development	33
2.3.3	Women, Rural Women, and Land in China	37
2.4	Summary	42
Chapter 3	. Methodology and Data	46
3.1	Introduction	46
3.2 I	Research Design and Framework	46
3.3	Choice of Research Sites	48
3.4	Data Collection Methods	52
3.5	Data Collection Process	55
3.5.1	Survey on Rural Women in Farming Sector	56
3.5.2	Survey on Rural Women Engaging in Off-farm Activities	59
3.5.3	Characteristics of the Whole Sample	61
3.6	Missing Data and What Can Be Learnt from It	62
3.7	Data Analysis Methods	64
Chapter 4	Getting to Know Rural Women in China	65
4.1 I	Rural Women in Farming	66
4.1.1	Descriptive Results from the Survey	66
4.1	.1.1 Marital Status, Age, Educational Attainment and Social Connection	66

4.1.1	.2 Understanding State's Land Policy and Attitudes towards Farming	75
4.1.1	.3 Rural Women's future plan	78
4.1.2	Interview Results from the Three Specific Research Sites	80
4.1.2	.1 Luoquanyan Village in Ningqiang	80
4.1.2	.2 Huaixi Village in Mei County	82
4.1.2	.3 Yangling: Complicated Land Situation	85
4.2 Ru	ral Women in Off-farm Work	99
4.2.1	General Characteristics of Rural Women in Off-farm Sector	100
4.2.2	Comparison of Rural Women's First Job and Current Job	102
4.3 Res	sults and Discussion	107
Chapter 5. P	Predictors of Rural Women's Off-farm Activities	113
5.1 Int	roduction	113
5.2 Lit	erature Review	114
5.2.1	Women and Migration in the PRC	114
5.2.2	Land Transfer Market Studies in China	119
5.2.3	Summary	122
5.3 Me	ethodology	123
5.3.1	Independent Variables of the Empirical Model	123
5.3.2	Goodness of Fit of Each Model and Results Report	128
5.4 Lo	gistic Results	129

5.4.1	Full sample	130
5.4.2	Yangling	136
5.4.3	Ningqiang	142
5.5 Di	scussion	147
Chapter 6. I	Professional Women Farmers	152
6.1 Intro	oduction	152
6.2 The	oretical Base: Amartya Sen's Capability Approach	154
6.3 Da	ata and Method	156
6.4 Pro	fessional Women Farmers from Yangling	158
6.4.1	PWF1, the Head of the Fuqianjia Breeding Cooperative	158
6.4.2	PWF2, the Chairwoman of the Meixin Land Share Cooperative	159
6.4.3	PWF3, the Head of the Sister Lan Family Farm	161
6.5 Tra	ainees from Professional Training Class in Hanzhong Prefecture	162
6.5.1	PWF4	162
6.5.2	PWF5	164
6.5.3	PWF6	166
6.6 Di	scussion: PWFs' Common Traits and Challenges	166
6.6.1	Agency and Self-direction	166
6.6.2	Social Network and Political Empowerment	170
6.7 Concl	lusion: Common traits and challenges	172

7	Conclus	sions	174
7.	1 Sur	mmary of Major Findings	174
	7.1.1	Rural Women's Current Situation and Challenges	174
	7.1.2	Predictors of Rural Women's Off-farm Choice	176
	7.1.3	Rural Women in Off-farm Sector and Professional Women Farmers	180
7.	2 Pol	licy Implications	181
	7.2.1	On Trainings and Local Officials' Sense of Service	181
	7.2.2	Match the Growth of Off-farm Employment with Land Transfer Rate	183
	7.2.3	Social Norms and Professional Women Farmers' Demonstration Roles	184
7.	.3 Clo	osing Statement: Limitations and Future Studies	185
Refe	erences		187
App	endix 1.	Interview Outline with Women Cadres	203
App	endix 2.	Research Site Basic Information	204
App	endix 3.	Questionnaire for Rural Women in Farming	205
App	endix 4.	Questionnaire for Rural Women in Off-farm Work	209
App	endix 5.	Questionnaire for Professional Woman Farmer	213
App	endix 6.	Questionnaires in Chinese	214
App	endix 7.	Multicollinearity Test Before and After	222

List of Tables

Table 2-1. Rights and Privileges Tied to Hukou Statuses	7
Table 2-2. Evolution to Land Tenure through Time since the Implementation of HRS	.13
Table 2-3. Characteristics of Centralized and Decentralized Diffusion Systems	.15
Table 2-4. Operationalizing Gender-Sensitive Agricultural Extension: Key Shifts	.18
Table 2-5. Changes of Urban -rural Residents Income Ratio from 2001 to 2014(RMB)	.32
Table 3-1. Coverage and Distribution of Data Collected from Farming Sector	.58
Table 3-2. Variable Means in Farming and Off-farm	.62
Table 3-3. Missing Value Distribution of the Key Variables in Econometric Model	.63
Table 4-1. Respondents' Marital Status	.67
Table 4-2. Respondents' Age Distribution	.68
Table 4-3. Age Range for the Respondents' in Ningqiang	.69
Table 4-4. Comparison of Rural Women's Educational Attainment	.71
Table 4-5. Ratio of Rural Women as Left-behind in Three Research Sites	.73
Table 4-6. The Social Connection of Rural Households in the Three Research Sites	.74
Table 4-7. Understanding of the State's Land Policy in the Three Research Sites	.75
Table 4-8. Rural Women's Attitude towards Farming	.76
Table 4-9. Rural Women's Challenges in Farming	.77
Table 4-10. Attendance of Agricultural Technical Training	.78
Table 4-11. Comparison of Rural Women's Life Plan in the Three Research Sites	.79
Table 4-12. Ranking of Challenges in Farming in Ningqiang	.82
Table 4-13. Ranking of Challenges in Farming in Mei County	.84
Table 4-14. Means from the Survey of Rural Women in Off-farm Work	00

Table 4-15. Rural Women's Off-farm Work Location
Table 4-16. Experiences of Vocational Training
Table 4-17. Rural Women's Off-farm Work with Household Land Transfer102
Table 4-18. Comparison of Rural Women's First and Current Jobs
Table 4-19. Comparison of Ways of Getting Jobs and Contracts Signed or Not
Table 4-20. Comparison of Rural Women's First and Current job Locations106
Table 5-1. Variables in the Model
Table 5-2. Predictors of Rural Women's Off-farm Work Choice for Full Sample
Table 5-3. Predictors of Rural Women's Off-farm Work Choice for Full Sample (Preferred
Table 5-4. Predictors of Rural Women's Off-farm Work Choice in Yangling
Table 5-5. Predictors of Rural Women's Off-farm Work Choice in Yangling (Preferred)139
Table 5-6. Predictors of Rural Women's Off-farm Work Choice in Ningqiang146
Table 5-7. Predictors of Rural Women's Off-farm Work Choice in Ningqiang (Preferred). 147
Table 6-1. Comparison of Several Lists to Do with the Capability Approach
Table 6-2. Profile of Professional Women Farmers

List of Figures

Figure 2-1. Three Major Land Reforms in the PRC	10
Figure 2-2. Lewis' Dual Sector Model of Growth	21
Figure 2-3. China's Annual GDP Growth 2007-2016	27
Figure 2-4. 'Three Agrarian Issues' in China	29
Figure 2-5. Incomes between Rural and Cities (RMB)	29
Figure 2-6. The Thinking Trace of the Study	43
Figure 2-7. Rural Women Studied in This Thesis	45
Figure 3-1. Research Design	47
Figure 3-2. Framework of the Thesis	48
Figure 3-3. Map of Shaanxi and Prefecture-level Cities and Sub-provincial Cities	49
Figure 3-4. The Sub-provincial and Prefecture-level Cities in Shaanxi	60
Figure 5-1. The Left-behind Elderly and Children in Rural China	115
Figure 5-2. Left-behind Rural Women in China	116
Figure 6-1. Chinese Professional Women Farmers' Capabilities	156
Figure 6-2. Illustration of PWFs' Agency and Self-direction	167

Abbreviations

ACWF: All China Women Federation

CCP: Chinese Communist Party

GAF: Gender Analysis Framework

GDP: Gross Domestic Product

FAO: Food and Agriculture Organization

HRS: Household Responsibility System

Hukou: Household Registration System

LDC: Less Developed Country

NWAFU: Northwest A&F University

NGO: Non-governmental Organization

PRA: Participatory Rural Appraisal

PRC: People's Republic of China

PWF: Professional woman farmer

STSCRW: Science and Technique Service Centre for Rural Women in Shaanxi Province

TVEs: Town and Village Enterprises

UN: United Nations

UNDP: United Nations Development Programme

Acknowledgements

Time flies: it is almost the end of my Ph.D. study. Looking back, I can see clearly how I have come to this stage step by step with lovely people's help. The thesis is not only about the research but also about my life in New Zealand in the past four years. I feel very worthy being in Massey and accomplishing my Ph.D. here. I would like to express my greatest gratitude to those who have helped and supported me through the journey, although I know words can never express my gratitude enough.

First, I would like to thank all my supervisors: Professor Dr. Martin Young, Professor Dr. Huiyan Zhao, and Professor Dr. Allan Rae. I am grateful to have you as my supervisors and I would not make it without your help and support. Dear Professor Martin, I sincerely thank you for accepting me as one of you Ph.D. students. By offering me an opportunity and a new platform, you changed and uplifted my whole life level from then on. I thank you for keeping calm and give me confidence and encouragement whenever I was depressed or got lost in my study. I will always remember your support and kindness.

Dear Professor Zhao, you are my role model. Your optimistic attitude towards life and enthusiasm towards changing rural people's life, all contribute to my current research career. While collecting data in the harsh winter, I really appreciate you accompanied me going to every research area to ensure I got the satisfactory one. Sincere thanks to you, Dear Professor Allan, I will always remember that one morning in a two-hour time span, we exchanged eleven emails at a stretch simply for the selection of the preferred logistic regression models. I was deeply impressed by your clear mind and careful research attitude. I thank you for your patience, and lead me from an almost standby of economics to a researcher, although I know I need much more work to be like you.

I would also like to give my sincere thanks to Dr. David Tripe and Dr. Song Shi. Dr. David

Tripe assisted me going through my hardest initial Ph.D. journey, and Dr. Song Shi, at that

time sitting not far from my office, whenever I had puzzles, I went to his office, and he would

put aside his work and give me some good insight, even knowledge in property. Sitting in

one office, my Ph.D. mates, Bob Lissington, Andryan Setyadharma and Andres Camacho all

gave me great help and encouragement in my daily progress. The newly enrolled Ph.D.

candidates, Nikhil, Saba, Tran, Salah also brought me lots of friendship and pleasure. My

friends Alice Cheng, David Zhuang, Peter Black and Jim McShane, and Chinese friends in

the Bible study group also gave me various kinds of in time help and make the journey full of

adventure.

I own my special thanks to my Chinese University, Northwest A&F University, without the

grant they providing me to study in New Zealand, all this will not happen. Finally, yet very

importantly, I extend my sincere thanks to my family: My great parents, husband, and

daughter. Your support and love made all this become not only possible but true. I love you

all.

Mei Yang

21/06/2017

XIV

If China wants to be strong, agriculture must be strong. If China wants to be beautiful, the countryside must be beautiful. If China wants to get rich, the farmers must get rich.

By China's President Xi Jinping's address to the Central Rural Work

Conference, which ended on December 23, 2013?

Women should participate and contribute on an equal basis with men in the social, economic and political processes of rural development and share fully in improved conditions of life in rural areas.

Declaration of Principles and Programme of Action of the World Conference on Agrarian Reform and Rural Development, July 1979.