MASTER OF BUSINESS ADMINISTRATION

To examine the factors affecting the investment of private education in China

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Faculty of Business, Communications and Law
Abstract

On the basis of summary of literatures about investment climate and non-government education, the dissertation analyzes current conditions of non-government education, and explores its economic characteristics, growth stage, functions, and the way for private investment to participate in education.

The dissertation classifies climate factors that may influence non-government education into eight investment climate factors on the basis of the viewpoint of macroeconomics and the result of literature review, and investigation, then makes hypotheses of these factors. Using the Panel Data of 8 fundamental economic variables of 31 provinces of China in about 6 years. This dissertation analyzes the relationship between climate factors and non-government education investment. It reveals that, during all the period, there is no statistical contradiction between the empirical result and hypotheses.

Having finished research of the degree and direction of the influence of these investment climate factors, this dissertation evaluates the investment climate in different areas with the Generalization Principal Component Analysis. The result shows that the first 7 areas scores high are Beijing, Shanghai, Zhejiang, Guangdong, Jiangsu, Tianjin, Shandong. The scores are high and consistent, which indicates that compared with other locations, these areas are more suitable for investment in non-government education, and have sustainable favorable non-government investment climate.

Keywords: Private Education, Investment Climate, Principal Component Analysis, China
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Secondly, my sincere love and appreciation to fellow scholars, who has contributed to ensure that this dissertation is fulfilled on the right note. The scholars have always been there to brainstorm and share ideas.

Meanwhile, I would like to that thanks to my parents whose special love enabled me to complete this dissertation, gave me a chance in the best place for me at the time that needed the most in my life.

Lastly, thank you to INTI International University, Faculty of Business and Law for allowing me to have the opportunity to conduct the research which has provided me a better understanding on the area of my research.

Li Ye

18th November 2013
Declaration by candidate

I hereby declare that this research project is of my own effort except for the information that has been used from various authors that have been cited accordingly and ethically.

18th November 2013

Li Ye
# Table of Contents

Abstract ......................................................................................................................... I
Acknowledgements ......................................................................................................... II
Declaration by candidate ................................................................................................ III
List of Tables .................................................................................................................. VI
List of Figures ................................................................................................................. VII

## Chapter I: Introduction ............................................................................................. 1

1.1 Background ............................................................................................................. 1
  1.1.1 The history of the Chinese private education industry ................................. 1
  1.1.2 Structure of the Chinese private education industry ................................. 5
  1.1.3 Policy environment and market size for private education ...................... 6

1.2 Problem Statement ............................................................................................... 8

1.3 Research Questions ............................................................................................... 10

1.4 Research Objectives: ............................................................................................ 10

1.5 Significance of the Study ...................................................................................... 11

1.6 Scope of the Study .................................................................................................. 12

1.7 Chapter summary ................................................................................................... 13

## Chapter II: Literature Review .................................................................................. 14

2.1 Location theory ...................................................................................................... 14
  2.1.1 The development of Location theory ....................................................... 14
  2.1.2 Regional distribution features of private schools .................................. 20

2.2 Investment climate assessment .......................................................................... 22
  2.2.1 “Hot-Cold” factor method ................................................................. 22
  2.2.2 Multiple factors analysis ................................................................. 22
  2.2.3 Key factor assessment ........................................................................ 24
  2.2.4 Rating scale method ........................................................................... 25
  2.2.5 Principal component analysis .............................................................. 25

2.3 Human capital theory ............................................................................................ 27

2.4 Economics of education ....................................................................................... 30
2.5 Hypothesis ........................................................................................................ 32
2.6 Research Framework .................................................................................... 41
2.7 Chapter summary .......................................................................................... 42

Chapter III: Research Methodology ................................................................. 43
3.1 Research Design ............................................................................................ 43
3.2 Measuring Instrument .................................................................................. 43
3.3 Sample Selection and Sampling Techniques ............................................... 44
3.4 Data Collection and Analysis Methods ......................................................... 45
   3.4.1 Data Collection ....................................................................................... 45
   3.4.2 Analysis Methods .................................................................................. 46
3.5 Chapter summary .......................................................................................... 48

Chapter IV: Findings and Discussions ............................................................. 49
4.1 The selection of Index .................................................................................. 49
4.2 Influences of Investment Climate Factors .................................................. 50
4.3 Evaluation of investment Climate Factors .................................................. 56
4.4 Ranking of the Provinces as Investment Option ......................................... 60
4.5 Chapter summary .......................................................................................... 66

Chapter V: Conclusion and Recommendation ................................................. 67
5.1 Conclusion ...................................................................................................... 67
5.2 Recommendations for private education ..................................................... 68
5.3 Practical Implication ..................................................................................... 71
5.4 Limitations of the Research ........................................................................ 72
5.5 Recommendations for future research ......................................................... 73
5.6 Personal Reflection ....................................................................................... 74

References .......................................................................................................... 75
Appendices .......................................................................................................... 88
# List of Tables

Table 1: Variables affecting inward FDI ................................................................. 18  
Table 2: The UNCTAD's classification of FDI determinants ................................. 19  
Table 3: Distribution of private schools in different areas (2002, %) .................. 20  
Table 4: Distribution of enrolments of private schools in different areas (%) ....... 21  
Table 5: Multi-factor evaluation method factors and sub-factors composed .......... 23  
Table 6: Returns to investment in education by level, regional averages (%) ........ 30  
Table 7: Collinearity analysis among variables ..................................................... 49  
Table 8: Correlation Matrix and Communalities .................................................... 50  
Table 9: The new correlation matrix and communalities results ....................... 52  
Table 10: KMO and Bartlett's Test ......................................................................... 53  
Table 11: Total Variance Explained ....................................................................... 54  
Table 12: Rotated Component Matrix .................................................................... 55  
Table 13: Principle components regression analysis results .............................. 56  
Table 14: Component Score Coefficient Matrix .................................................... 57  
Table 15: The independent influence on situation of private education investment. 58  
Table 16: Each components scores top 4 in 2006 and 2011 ............................... 60  
Table 17: Component total scores in each region .................................................. 62
List of Figures

Figure 1: Data on the Number of Non-state/Private Schools of all Levels .......... 4
Figure 2: Structure of the Chinese private education industry ..................... 5
Figure 3: China private education industry -market size (RMB billion) .......... 7
Figure 4: Framework of the Study ................................................................ 41
Figure 5: Variables and Symbol .................................................................. 45
Figure 6: Components score variation trend ................................................. 64
Chapter I: Introduction

1.1 Background

1.1.1 The history of the Chinese private education industry

Private education has traditionally played a key role in Chinese culture, with a history of teaching students that dates back thousands of years. In the decades following the rise to power of the Chinese Communist Party in 1949, however, the existing private education system was dismantled and replaced by a centrally-planned, state-run approach. This new system was viewed by the central government as being more aligned with its national socioeconomic plan. This new, centrally-formulated education system was designed to teach and at the same time transmit a distinctively political, socialist message to students.

The Chinese government’s implementation of economic reform policies in the 1970’s led to unprecedented growth in the Chinese economy; however, China’s national educational system has struggled to keep pace with the country’s economic emergence. China’s investment in education in the past two decades has lagged far behind the expenditures of other countries. While developed economies spend an average of 5.5 % of GDP on education, and developing economies average 4.8 %, China has never devoted more than 4 % of its GDP to education spending (Patrick, 2011). According to United Nations statistics,
although China has seventeen percent of the world’s student-age population, its current educational market share, in value terms, is only 2% (Patrick, 2011). Indeed, the central government has shown little interest in providing funding for primary and secondary education. The previous two decades have seen the financial burden of providing education move from the central government to local authorities, which have in turn passed on the burden to the schools themselves.

China’s seeming reluctance to provide funding for education is surprising given the country’s traditional focus on learning. In addition to striking a discordant note with the country’s intellectual heritage, the government’s relatively low spending levels on education may eventually hinder China’s continued economic success. Education is the foundation for economic improvement and international competitiveness. Discussing the importance of education, scholars Sun Qi-lin and Kong Kai note that in “the global economy where knowledge is becoming increasingly fundamental, countries or families that lack opportunities for basic education have to confront the risk of being marginalized within the increasingly prosperous global economy.”

Research has shown that even the comparatively small investment in Chinese education since the country’s market-oriented economic restructuring has been a great impetus behind economic growth. Education provides an opportunity for
individuals to improve their economic and social standing in life, while laying the foundation for the sustainable development of the national economy.

Realizing the importance of education as a mechanism for transmitting the skills necessary to continue China’s modernization and economic development, the Chinese government has again turned to private education in an attempt to supplement its underfunded public education system. Chinese officials have signaled the importance they place on education’s role in contributing to the country’s economic and social progress, as well as their openness to using private education to achieve these goals. The government has once again opened the doors to private education, with the passage of a series of supportive laws (Hou, 2011; Nee & Cao, 2005).

In response to this encouragement, the number of private schools has skyrocketed. This situation changed over the past thirty years as China transitioned toward a market-oriented society.

In the late 1990s, new reform agenda converted public schools to private schools. In 1987, the former China’s State Education Commission promulgated the “Several provisional regulations about social force running school”, it making the Chinese government concern for private education (Che, 2011). After the China’s Ministry of Education (MoE) successively promulgated the “The Law of Education Facilitated by Social Organizations (LEFSO)” and “LEFSO Implementing Regulations”. There is the Chinese government emphasis on
private education elevated to a new height (Hayhoe, 1999). Under the strong support of the Chinese government, China's various social forces have held education industry.

Nowadays, the rapid development of China's education industry is remarkable. Between 2001 and 2009, the numbers of annual graduates in China from 1.1 million to 6.1 million and increased by six times. Currently, degree holders' account for 7.4% of the total population, with overall literacy rate reached 92.2% (KPMG, 2011). Meanwhile, according to China Education and Research Network (2010), Non-state/Private schools were increasing and solid growth, as shown in Figure 1.

<table>
<thead>
<tr>
<th>Higher Education</th>
<th>No. of Schools</th>
<th>Graduates</th>
<th>New Entrants</th>
<th>Total Enrollment</th>
<th>Staff &amp; Workers</th>
<th>Fulltime Teachers</th>
<th>Other</th>
</tr>
</thead>
<tbody>
<tr>
<td>(1) Regular HEIs</td>
<td>278</td>
<td>222991</td>
<td>498562</td>
<td>1337942</td>
<td>123230</td>
<td>75144</td>
<td>218474</td>
</tr>
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<td>Normal Courses</td>
<td>13674</td>
<td>42659</td>
<td>125426</td>
<td></td>
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<td></td>
<td></td>
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<tr>
<td>Short-cycle Courses</td>
<td>209317</td>
<td>455903</td>
<td>1212516</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>(2) Independent college</td>
<td>(318)</td>
<td>142139</td>
<td>527284</td>
<td>1467040</td>
<td>106648</td>
<td>73820</td>
<td>6595</td>
</tr>
<tr>
<td>Normal Courses</td>
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<td>455163</td>
<td>1264513</td>
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<td>Short-cycle Courses</td>
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<td>72121</td>
<td>202527</td>
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<td>(3) Non-state/private higher educational institution</td>
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<td></td>
<td></td>
<td>45866</td>
<td>21776</td>
<td>939013</td>
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<th>Secondary Education</th>
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<tr>
<td>(1) Senior Secondary</td>
<td>5805</td>
<td>1102202</td>
<td>1852010</td>
<td>4503451</td>
<td>562158</td>
<td>392920</td>
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<td>Regular Schools</td>
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<td>612738</td>
<td>909045</td>
<td>2477160</td>
<td>434801</td>
<td>314622</td>
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<tr>
<td>Secondary Vocational Schools</td>
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<td>489464</td>
<td>942965</td>
<td>2026291</td>
<td>127357</td>
<td>78298</td>
<td>267261</td>
</tr>
<tr>
<td>(2) Junior Secondary Education</td>
<td>4561</td>
<td>1102088</td>
<td>1323872</td>
<td>3943973</td>
<td>310</td>
<td>192</td>
<td></td>
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<td>Regular Junior Secondary Schools</td>
<td>4550</td>
<td>1101403</td>
<td>1322984</td>
<td>3940611</td>
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<td></td>
<td></td>
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<tr>
<td>Vocational JSSs</td>
<td>11</td>
<td>685</td>
<td>888</td>
<td>3362</td>
<td>310</td>
<td>192</td>
<td></td>
</tr>
<tr>
<td>Regular Primary Schools</td>
<td>6161</td>
<td>643121</td>
<td>712489</td>
<td>4120907</td>
<td>246898</td>
<td>179836</td>
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<td>Pre-school Education</td>
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<td>2628256</td>
<td>4104503</td>
<td>7758871</td>
<td>636934</td>
<td>376656</td>
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<tr>
<td>Other:</td>
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<td></td>
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<td></td>
<td></td>
</tr>
<tr>
<td>Vocational-technical Training Institutions</td>
<td>(23470)</td>
<td></td>
<td></td>
<td></td>
<td>216735</td>
<td>11047</td>
<td>876833</td>
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</tbody>
</table>

**Note:** Data on Staff and Workers in Junior Secondary Schools are included in the data of Regular Schools.

**Figure 1:** Data on the Number of Non-state/Private Schools of all Levels
### 1.1.2 Structure of the Chinese private education industry

In China, “private education” is distinguished from the public or state-run education system, and refers to non-state funded individuals or organizations that provide education services or activities. Structure of the Chinese private education has undergone tremendous changes because the Chinese Ministry of Education has issued mass of laws and regulations (see Appendix I). For example, the Rules on Sino-foreign Co-operation in Running Schools (“RSCRS”) was issued by 2003, the Law of Education Facilitated by Social Organizations (“LEFSO”) Implementing Regulations was promulgated by 2004, and revised by 2006 Compulsory Education Law of the People’s Republic of China. Thus, there is to make private education penetration into each level of education, as shown in Figure 2.

<table>
<thead>
<tr>
<th>Education industry</th>
<th>Subsector</th>
<th>Educational Level</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>0-3 years</td>
<td>Nursery School &amp; Kindergarten</td>
</tr>
<tr>
<td>Public education</td>
<td>Public schools</td>
<td>✓</td>
</tr>
<tr>
<td>Private schools</td>
<td>Private schools</td>
<td>✓</td>
</tr>
<tr>
<td>Diploma-Oriented Education</td>
<td>Test Prep</td>
<td>Extracurricular/Supplementary Tutoring</td>
</tr>
<tr>
<td></td>
<td>Language Training</td>
<td>✓</td>
</tr>
<tr>
<td></td>
<td>Certificate or Professional Qualification Prep</td>
<td>✓</td>
</tr>
<tr>
<td>Technical/Skill-oriented Training</td>
<td>Arts, Sports, and Other Training</td>
<td>✓</td>
</tr>
<tr>
<td></td>
<td>Vocational Training</td>
<td>✓</td>
</tr>
<tr>
<td></td>
<td>Management Training</td>
<td>✓</td>
</tr>
<tr>
<td></td>
<td>Online Education</td>
<td>✓</td>
</tr>
</tbody>
</table>

**Figure 2: Structure of the Chinese private education industry**

(Source from: Deloitte analysis, 2012)
1.1.3 Policy environment and market size for private education

The development of the private-school industry in China has been largely influenced by the domestic policy and institutional environments in which it operates. Here follows an analysis of the political context that is shaping the growth of this sector.

There is an increasing focus on a long-standing but newly-refurbished goal that aims to spend 4% of GDP on education, a target based on the worldwide baseline levels of state spending on education. As early as 1993, the "China Educational Reform and Development Agenda," issued by the CPC Central Committee and State Council, proposed that government financial educational expenditure should aim to reach 4% of national GDP. However, because China's GDP grew so rapidly over subsequent years, and because fiscal revenues remained a relatively low percentage of GDP, this percentage-based goal was not accomplished as planned. However, by 2010, spending on education had gradually risen to 3.66% of GDP. Further, on March 5, 2012, during the Eleventh National People's Congress, Premier Wen Jiabao re-emphasized the importance of meeting the original targets. Indeed, local governments in various regions are obligated to cooperate towards reaching this 4% goal for education.

In addition, China's Ministry of Education (MoE) recently issued a national mid-to-long-term education reform and development plan outline to support education career sustainable development in the future. Thus, the private sector has played an important role in this regard. In order to encourage healthy investment mentality, the government implemented a number of important provisions to ensure that private projects can make long-term commitment and meet growing demand.
On 29 July 2010, the Chinese Ministry of Education (MoE) officially announced "National Mid-to-Long-term Education Reform and Development Plan" that it across over the next 10 years (Ministry of Education of the People’s Republic of China, 2013). The guidelines cover almost every aspect of the education spectrum - from academic to vocational education, from public to private institutions, from kindergartens to universities. Therefore, there are many opportunities for investors in China’s education industry.

Meanwhile, under the national plans to achieve 40% gross enrollment rate (refers to the ratio of the number of students actively enrolled at institutions of higher learning, over the total population of school-aged individuals) of higher education by 2020, the China’s education market is ushering in overall prosperity. Deloitte (2012) predicts that given the prospects for these various types of training organizations described above, this subsector will maintain a compound annual growth rate of 15% over the next three years, to reach a market size of RMB 640 billion by 2015, as shown in Figure 3.

![Figure 3: China private education industry -market size (RMB billion)](image)
(Source from: Deloitte Research, 2012)