

The Optimal Evaluation Model for Transnational Sequential Investments - Using Genetic Algorithms

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ABSTRACT

With the coming age of global-based competition and knowledge-based economy in twenty-first century, the entrepreneurs concentrate on how the multinational corporations (MNCs) maintain their sustained competitive advantages in the cooperation environment. Two of the most important strategies for multinational corporations to achieve expected market scope are the "international market entry modes" and the "international market advancing path". This study aims to assume that "centralized sequence investment strategy" is reasonable for the international market advancing path, and the "regional characteristics" and "operational experiences" are the key factors for the return of investment and the choice of priority. Moreover, it builds an "optimal evaluation model for transnational sequential investments" in order of achieving the goal with the lowest risk and shortest time. Further more, this study uses Genetic algorithms (GAs) as proposed procedure concerning the complexity when increasing the investment regions, and it addresses the practical examples for testing the validity of proposed procedure.

Keywords : International market entry modes ; International market advancing path ; Regional characteristics ; Operational experiences ; Genetic algorithms (GAs)

Table of Contents

目錄 封面內頁 簽名頁 授權書.....	iii	中文摘要.....	.....
.....iv 英文摘要.....	.....	v 誌謝.....	.....
.....vi 目錄.....	.....	vii 圖目錄.....	.....
.....xi 表目錄.....	.....	xiii	.....
第一章 緒論 1.1 前言.....	1	1.2 研究動機.....	.....
.....1.3 研究目的.....	2	1.4 章節架構與研究流程.....	.....
.....3 1.5 研究貢獻.....	5	第二章 文獻回顧 2.1 國際市場進入型態.....	.....
.....6 2.2 基因演算法.....	10	2.3 分析層級程序法.....	.....
.....10 第三章 基因演算法 3.1 基因演算法之基本原理與應用.....	15	3.2	.....
基因遺傳演算法之演算流程.....	16	3.3 基因演算法之優點.....	23
第四章 問題敘述與名詞界定 4.1 一般性問題敘述.....	24	4.2 名詞界定.....	.....
.....25 4.2.1 區位特徵與經營經驗.....	25	4.2.2 國際市場進入型態.....	.....
.....27 4.2.3 國際市場推進路徑.....	28	4.3 研究假設.....	.....
.....31 第五章 區位特徵順序組合效益模式 5.1 問題描述.....	32	5.2	.....
模式建構.....	34	5.2.1 符號說明與定義.....	34
限制條件.....	35	5.2.2 應用.....	.....
流程.....	36	5.2.3 「0-1」整數規劃模式.....	35
基因演算法.....	38	5.3 演算	.....
.....42 5.4 範例說明.....	42	5.3.1 權重值之估計.....	36
.....44 5.4.1 權重值.....	45	5.3.2 應用	.....
.....45 5.4.2 範例解.....	45	5.4 範例說明.....	42
第六章 經營經驗	.....	5.4.1 權重值.....	42
完全轉移模式 6.1 問題描述.....	48	5.4.2 範例解.....	45
.....49 6.2 模式構建.....	48	第六章 經營經驗	.....
.....49 6.2.1 符號說明與定義.....	49	6.1 問題描述.....	48
.....50 6.2.2 限制條件.....	49	6.2 模式構建.....	48
.....50 6.2.3 「0-1」整數規劃模式.....	50	6.2.1 符號說明與定義.....	49
.....52 6.3 演算流程.....	50	6.2.2 限制條件.....	49
.....52 6.3.1 權重值之估計.....	52	6.2.3 「0-1」整數規劃模式.....	50
.....53 6.3.2 應用基因演算法.....	52	6.3 演算流程.....	50
.....53 6.4 範例說明.....	53	6.3.1 權重值之估計.....	52
.....54 6.4.1 權重值.....	53	6.3.2 應用基因演算法.....	52
.....54 6.4.2 範例解.....	57	6.4 範例說明.....	53
第七章 經營經驗不完全轉移模式 7.1 問題描述.....	66	6.4.1 權重值.....	53
.....65 7.2 模式建構.....	66	6.4.2 範例解.....	57
.....66 7.2.1 符號說明與定義.....	66	第七章 經營經驗不完全轉移模式 7.1 問題描述.....	66
.....66 7.2.2 限制條件.....	66	7.2 模式建構.....	66
.....66 7.2.3 「0-1」整數規劃模式.....	66	7.2.1 符號說明與定義.....	66
.....67 7.3 演算流程.....	68	7.2.2 限制條件.....	66
.....68 7.3.1 權重值之估計.....	68	7.2.3 「0-1」整數規劃模式.....	66
.....68 7.3.2 應用基因演算法.....	70	7.3 演算流程.....	67
.....70 7.4 範例說明.....	70	7.3.1 權重值之估計.....	68
.....70	7.3.2 應用基因演算法.....	68
.....70	7.4 範例說明.....	70

.....71 7.4.1 權重值.....71 7.4.2 範例解.....
.....76 第八章 結論與建議.....79 參考文獻.....
.....81	

REFERENCES

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