

Foreign Direct Investment as a Tool for Poverty Reduction in Developing Countries

Foreign Direct Investment as a Tool for Poverty Reduction in Developing Countries:

A Study on Uganda

By

Ronald K.S. Wakyereza

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Dedication

To my wife, Agatha

Proverbs 31: 10-12

TABLE OF CONTENTS

List of Figures	xiv
List of Tables	xvi
Foreword	xvii
Preface	xviii
Acknowledgements	xxi
CHAPTER ONE: Introduction	1
1.1 Beneficiaries of This Book	2
List of Abbreviations	4
PART ONE: THEORY AND ECONOMIC STRUCTURE	
CHAPTER TWO: The Colonization of Uganda	11
2.1 Overview: Governance and Politics of Uganda	11
2.2 The Pre-British Colonization Era of Uganda	12
2.2.1 The Oman Rule Along the East African Coast	12
2.2.2 Early European Voyages Along the East African Coast	13
2.3 The March Towards the Colonization of Uganda	14
2.4 From Buganda to Uganda: State Formation	15
2.5 Conclusion	17
CHAPTER THREE: Ugandan Economic Development and FDI Inflows During Colonialism	18
3.1 Economic Establishment, Commercialization and FDI Inflows 1894-1945	18
3.1.1 Humanitarian-Induced Economic Development and FDI Inflows	18
3.1.2 Transport and Communications Services Sector Development	19
3.1.3 Commercialization and the Agricultural Sector Development	20
3.1.4 The Growth of the Trade Services Sector	23
3.1.5 Administration and Management of the Trade and Commercial Services Sector	24
3.1.6 The Growth of the Financial Services Sector	25
3.2 Economic Diversification and FDI Inflows 1945-1962	26
3.2.1 The Establishment and Growth of the Energy Sector before Independence	27
3.2.2 Mining and Quarrying Sector Development	27
3.2.3 Industrial Sector Development	28
3.3 The Factors that Facilitated FDI Inflows into Uganda During Colonialism	29
3.4 Concluding Remarks	31
CHAPTER FOUR: Uganda: The Economy and Economic Reforms	32
4.1 Overview: Governance and Politics of Uganda After Independence in 1962	32
4.2 The Economy of Uganda Since Independence	33
4.3 Uganda Adopts Economic Reforms	34
4.3.1 Economic Reform Phase One: 1979–1985	35
4.3.2 Economic Reforms Phase Two: 1986–2014	35
4.4 Government Expenditure Reforms	36
4.5 Inflation Control and Economic Reforms	38
4.5.1 Impact of Inflation on Economic Growth, Employment and Poverty in Uganda	38
4.5.2 Causes of Inflation in Uganda	39
4.6 The Importance of Openness in Uganda’s Economy	41
4.6.1 Contribution of Openness to the Current Account	41
4.6.2 The Contribution of Openness to Production and Productivity	43
4.6.3 The Contribution of Openness to Small and Medium Enterprise Development	43

4.7 The Contribution of Tourism to Uganda's Economy	44
4.7.1 The Contribution of Tourism and Foreign Exchange	46
4.7.2 The Impact of Tourism on Investment in Uganda	46
4.7.3 The Contribution of Tourism to Employment and Poverty Elimination	48
4.8 The Growth of Information Communication and Technology after the Reforms	49
4.8.1 Telecommunications' Facilitation of Business and Social Financial Transactions	50
4.8.2 Promoting Agriculture Production and Productivity	50
4.8.3 Facilitating Awareness and Community Sensitisation	51
4.9 Economic Growth, Employment and Poverty After the Adoption of Economic Reforms.....	51
4.9.1 Trends in Uganda's Economic Growth	51
4.9.2 Employment Trends in Uganda 1985-2014.....	51
4.9.3 Human Capital Development	53
4.9.4 Poverty Perspectives in Uganda 1985-2014	54
4.9.5 Trends in Poverty, 1985-2014	54
4.9.6 Labour Migration and Brain-Drain: A New Paradigm for Uganda.....	55
4.10 Conclusion	56
CHAPTER FIVE: FDI in Uganda Since Independence.....	57
5.1 Nationalisation of Foreign Investments in Uganda, 1962-1979	57
5.1.1 Phase One: FDI Nationalisation, 1962-1971	57
5.1.2 Phase Two: Foreign Investments, Nationalisation and Economic Instability	58
5.2 FDI Inflows During Economic Recovery and Reforms, 1979-2014	59
5.2.1 Economic Reforms and FDI Inflows, 1979-1991	59
5.2.2 Economic Reforms and FDI Inflows, 1991-2014	60
5.3 Investment Regulations in Uganda.....	63
5.3.1 Non-Discrimination	64
5.3.2 Transparency	65
5.3.3 Dispute-Settlement Mechanism.....	65
5.3.4 Property Rights.....	66
5.3.5 Financial Regulations.....	67
5.3.6 Taxation and Tax Regulations in Uganda	69
5.3.7 Tax Regulations in Uganda	70
5.3.8 Standards and Environment Protection	72
5.3.9 Labour, Employment and Corporate Social Responsibility	73
5.3.10 Investment Promotion	73
5.4 Challenges of Investment in Uganda.....	73
5.5 Concluding Remarks	74
CHAPTER SIX: FDI Entry and Operations.....	76
6.1 Concepts and Definitions	76
6.2 FDI Flows.....	78
6.2.1 Components of FDI Flows	78
6.3 FDI Modes of Entry	78
6.3.1 Non-Equity Entry Modes	80
6.3.2 Exporting Entry Modes	81
6.3.3 Non-Equity Contractual Alliances Entry Modes	82
6.3.4 Liability Forgiveness	83
6.3.5 Equity FDI Entry Modes	84
6.3.6 Joint Venture Entry Mode	85
6.3.7 Wholly-Owned FDI.....	85
6.4 Investment Approaches	85
6.4.1 Greenfield FDI	85
6.4.2 Cross-Border Mergers and Acquisitions	86
6.5 DI Integration and Categorization.....	88
6.5.1 Conglomeration.....	88
6.5.2 Horizontal Integration	88
6.5.3 Vertical Integration.....	88
6.6 FDI Strategies and Motives.....	91
6.7 Conclusion.....	93

CHAPTER SEVEN: The Foreign Direct Investment Theories	94
7.1 The Origin of FDI Theories.....	94
7.1.1 From International Trade Theories to FDI Theories	95
7.1.2 The Portfolio Investment Theory to FDI Theories	95
7.1.3 Capital Movements Theory	95
7.1.4 The Industrial Organisation Theory	95
7.2 FDI Perfect Market-Based Theories.....	96
7.2.1 FDI Capital Theory	96
7.2.2 Market Size Theory	97
7.3 Imperfect Market-Based Theories.....	97
7.3.1 FDI Stage Model Theories	97
7.3.2 The Internal Financing Theory	102
7.3.3 Internalisation Theory	102
7.3.4 The Eclectic Theory	103
7.3.5 FDI Development Theories	104
7.3.6 Competition Theories.....	106
7.4 FDI International Political Economy Theories.....	108
7.4.1 The Global Level.....	109
7.4.2 Interstate and Regional Level Explanation for Foreign Investments.....	111
7.4.3 National Level and Government Policies Explaining Foreign Investment.....	111
7.5 Concluding Remarks	111
CHAPTER EIGHT: The FDI Economic Importance	113
8.1 The FDI Theoretical Economic Importance	113
8.2 The FDI Perspectives	114
8.2.1 Foreign Investor Perspective	114
8.2.2 The Host Nation Perspective	115
8.2.3 Local Content Utilization in Host Nations	116
8.3 The Effects of Globalization-Driven FDI.....	119
8.3.1 Globalization, FDI and Regionalism	121
8.3.2 The empirical models that explain the effects of FDI	123
8.4 The Empirical Findings of FDI on Economic Growth, Employment and Poverty.....	125
8.4.1 Empirical Findings on the Impact FDI on Economic Growth.....	125
8.4.2 Empirical Findings on the Impact of FDI on Employment	126
8.4.3 The Impact of FDI on Poverty.....	126
8.5 Conclusion.....	126
CHAPTER NINE: Modelling Economic Growth, Employment and Poverty.....	128
9.1 Modelling Economic Growth	128
9.1.1 The Solow-Swan Model	128
9.1.2 Mankiw, Romer and Weil Model	132
9.1.3 New Growth Theory.....	133
9.1.4 Measuring Economic Growth.....	134
9.2 Modelling Employment in Uganda	134
9.2.1 The Harris-Todaro Model.....	135
9.2.2 Labour Force as a Basis for Modelling Uganda's Employment.....	136
9.2.3 Measuring Employment	137
9.3 Modelling Poverty in Uganda	138
9.3.1 Defining Poverty	138
9.3.2 Measuring Poverty	138
9.3.3 Measuring Poverty Based on the Head Count Approach	140
9.4 The Relationship Between Economic Growth, Employment and Poverty.....	141
9.5 Concluding Remarks	141
CHAPTER TEN: Modelling the Role of FDI and Other Explanatory Variables on Economic Growth, Employment and Poverty in Uganda.....	143
10.1 Modelling Openness on Economic Growth, Employment, and Poverty Reduction	143
10.1.1 Measuring Openness	144
10.2 Modelling the Impact of Tourism on Economic Growth, Employment and Poverty Reduction	145

10.3 Modelling the Impact of FDI on Economic Growth, Employment and Poverty Reduction	146
10.4 Modelling Human Capital on Economic Growth, Employment and Poverty	148
10.5 Modelling the Impact of Telecommunications on Economic Growth, Employment and Poverty	148
10.5.2 The Impact of Telecommunications on Entrepreneurial Development and Employment	150
10.5.3 The Impact of Telecommunications on Welfare and Poverty Reduction	150
10.6 Modelling Government Expenditure on Economic Growth, Employment and Poverty	151
10.7 Modelling Inflation on Economic Growth, Employment and Poverty	154
10.7.1 The Neoclassical Theory and the Impact of Inflation on Economic Growth, Employment, and Poverty	154
10.7.3 Measuring Inflation	157
10.8 Modelling the impact of Rebellion on Economic Growth, Employment and Poverty	157
10.8.1 Modelling the Impact of Rebellion on Economic Growth, Employment and Poverty	159
 PART TWO: THEORETICAL FRAMEWORK AND EMPIRICAL ANALYSIS	
CHAPTER ELEVEN: Theoretical Model and Investigation Procedure.....	165
11.1 Description of the Variables.....	165
11.1.1 The Scope and Sources of Data.....	165
11.2 Conceptual Framework	166
11.3 Procedure for Measuring the Impact of FDI and Other Explanatory Variables on Economic Growth, Employment and Poverty Reduction in Uganda	167
11.3.1 Investigation of Time Series Properties of the Variables	168
11.3.2 Long and Short-Run Estimation	171
11.3.3 Estimation of Short-Run Relationship Among Endogenous Variables	174
11.3.4 Simultaneous Equation Specification.....	174
11.3.5 Simultaneous Equation Estimation Under a VAR Approach	175
11.3.6 Procedure for VECM Estimation of Short-Run and Long-Run Relationship.....	177
11.3.7 VECM Systems Long-Run and Short-Run Analysis.....	178
11.3.8 VECM Systems Model Ex-Ante Forecasting	179
11.3.8.1 Impulse Response.....	179
11.3.8.2 Variance Decomposition	179
11.3.9 Simultaneous Equation Estimation	180
11.3.9.1 Rationale for OLS for Model Estimation	180
11.3.9.2 Validation of the VECM Systems Simultaneous Equation Residual	180
11.3.9.3 Estimation of the Simultaneous Equations	180
11.3.9.4 Specifications of Testable Hypotheses	181
11.3.9.5 Validation of the Estimated Simultaneous Equations.....	181
11.4 Concluding Remarks.....	182
 CHAPTER TWELVE: Time-Series Properties and Investigation of the Variables.....	183
12.1 Preliminary Variables Relationship Investigation.....	183
12.1.1 The Relationship Between GDP, FDI, and Tourism	183
12.1.2 The Relationship Between GDPGR, GDP, and Factor Inputs Growth	184
12.1.3 The Employment, Human Capital and Economic Growth Relationship in Uganda.....	185
12.2 Correlation Analysis	185
12.3 Series Trend Analysis	186
12.4 Time-Series Unit Root Testing	187
12.5 Endogeneity Analysis	189
12.6 Time Series Properties Investigation Implications for Uganda.....	190
12.7 The Theoretical Model and Data.....	190
12.8 Concluding Remarks.....	192
 CHAPTER THIRTEEN: Estimation of Short and Long-Run Analysis Among the Endogenous Variables.....	194
13.1 Series Cointegration Analysis	194
13.1.1 Cointegration Test Results	194
13.1.2 Long-Run Relationships Among Cointegrating Variables	195
13.2 Simultaneous Equation Model Specification	196
13.2.1 Simultaneous Equation Estimation Employing VAR.....	197

13.2.2 Results of the Simultaneous Equation Estimated by VAR.....	197
13.2.3 Diagnostic Tests of the Results of the Simultaneous Equation Estimated by VAR.....	197
13.3 Simultaneous Equation Short-Run Simulation and Analysis.....	201
13.4 Causality Testing Between Endogenous Variables, Human Capital, and Openness.....	202
13.4.1 VECM Granger Causality for Endogenous Variables and Human Capital.....	202
13.4.2 VECM Granger Causality Estimation for Endogenous Variables and Openness.....	203
13.5 Concluding Remarks.....	204
CHAPTER FOURTEEN: Simultaneous Equation Estimation and Analysis	205
14.1 Results of the Systems Equation Estimated by OLS.....	205
14.1.1 Systems Equation Residual Test Validation.....	206
14.1.2 Estimated Results and Summary of Interrelationships Among Variables.....	206
14.2 Economic Growth Systems Equation Analysis and Interpretation	207
14.2.1 Economic Growth Systems Equation Diagnostic Tests	208
14.2.2 Interpretation of the Results of the Economic Growth Systems Equation	210
14.3 Employment Systems Equation Analysis and Interpretation	212
14.3.1 Employment Systems Equation Diagnostic Tests	212
14.3.2 Employment Systems Equations Analysis and Interpretation	215
14.4 Poverty in Uganda Systems Equation Estimation, Analysis and Interpretation.....	216
14.4.1 Poverty in Uganda Systems Equation Diagnostic Tests	216
14.4.2 Poverty in Uganda Systems Equation Interpretation	219
14.5 FDI Systems Equations Estimation, Analysis and Interpretation.....	220
14.5.1 FDI Systems Estimated Equation Diagnostic Tests	221
14.5.2 FDI Systems Equation Results Interpretation.....	223
14.6 Tourism Systems Equation Estimation, Analysis and Interpretation	224
14.6.1 Tourism Systems Equation Diagnostic Tests	225
14.6.2 Interpretation of the Tourism Systems Equation Results	227
14.7 Conclusion	228
CHAPTER FIFTEEN: VECM Endogenous Variables Forecasting	229
15.1 Economic Growth Ex-Ante Forecasting	229
15.1.1 Economic Growth Impulse Response Function Interpretation.....	229
15.1.2 Economic Growth Variance Decomposition	230
15.2 Employment Ex-Ante Forecasting.....	231
15.2.1 Employment Impulse Response Function Interpretation.....	231
15.2.2 Variance Decomposition	232
15.3 Poverty Reduction Ex-Ante Forecasting.....	233
15.3.1 Poverty Impulse Response Function Interpretation.....	233
15.3.2 Poverty Reduction Variance Decomposition.....	234
15.4 FDI Ex-Ante Forecasting	235
15.4.1 FDI Impulse Response Function Interpretation.....	235
15.4.2 Variance Decomposition	236
15.5 Tourism Ex-Ante Forecasting.....	237
15.5.1 Tourism Impulse Function Response Interpretation.....	238
15.5.2 Variance Decomposition	238
15.6 Economic Growth, Employment and Poverty Reduction in Uganda Ex-Post Analysis	239
15.7 Conclusion	242
PART THREE: THE IMPLICATIONS OF FDI FOR DEVELOPING NATIONS	
CHAPTER SIXTEEN: Evaluation of the Role of FDI on Economic Growth, Employment, and Poverty Reduction in Uganda.....	245
16.1 Evaluation: Theoretical and Time Series Properties Investigation	245
16.1.1 Endogeneity Test Investigation Evaluation of the Relationship Among Variables.....	246
16.2 Evaluation of the Short-run Analysis Among Variables.....	246
16.2.1 The Endogenous Variables and Human Capital Causality Test Evaluation.....	246
16.2.2 The Endogenous Variables and Openness Causality Test Relationship Evaluation.....	247
16.2.3 Evaluation of the VECM Causality Test Relationship Among Endogenous Variables	248
16.3 Evaluation of the Impact of Explanatory Variables on Economic Growth, Employment, and Poverty Reduction, in Uganda.....	248

16.3.1 Endogenous Variables Evaluation on the Economy of Uganda	249
16.3.2 Evaluation of the Impact of Exogenous Variables on the Economy of Uganda.....	252
16.4 Concluding Remarks.....	253
CHAPTER SEVENTEEN: The Foreign Direct Investment Frog-Leap Theory for Developing Nations	255
17.1 The Theoretical Basis for the Frog-Leap Theory	255
17.1.1 The Environment and Lifestyle of Frogs as Amphibians	255
17.1.2 The Pro-Foreign Investment Environment in a Nation	256
17.1.3 The FDI Tri-Pro-Investment Circular Model	257
17.1.4 National Environment and The Mirage Model.....	259
17.2 The Theoretical Link Between Frogs as Amphibians and Uganda's FDI Experience	261
17.3 Uganda's Theoretical FDI Explanation of the Frog-Leap Theory	262
17.4 Uganda's Empirical FDI Explanation of the Frog-Leap Theory.....	262
17.5 The Implications of the FDI Frog-Leap Theory for Developing Countries	264
17.5.1 The Implications of Poverty on the Frog-Leap Theory	264
17.5.2 Pro-Investment Environment: Precondition for Poverty Reduction in Developing Countries	265
17.5.3 The Growth of Small and Medium Enterprises in Developing Countries	266
17.5.4 The Mirage Model Implications for Developing Countries	266
17.6 Conclusion	267
CHAPTER EIGHTEEN: The Poverty Reduction Community Capital Absorption Capacity Development Framework.....	268
18.1 CCACD Framework Poverty Reduction Critical Success Factors.....	269
18.2 Implementation of the CCACD Poverty Reduction Framework.....	271
18.2.1 Community Capital Support Projects	271
18.2.2 Rural Based Development CCS Projects.....	273
18.2.3 Inequality-Gap-Focused CCSPs	274
18.2.4 Linking CCS Projects to Trade and Marketing	275
18.2.5 Linking CCS Projects to Community Social Services Promotion.....	276
18.3 Increasing Foreign Capital Flows	279
18.3.1 Linking CCS Projects to FDI Projects.....	280
18.3.2 Linking CCS Projects to Tourism	281
18.3.3 Government Sector-Driven Support Services	281
18.3.4 Private Sector-Driven Tourism Support Services.....	283
18.4 Domestic Revenue Mobilization.....	284
18.4.1 Local Governments	285
18.4.2 Systems of the Tax Body.....	285
18.5 The Role of the International Community in Poverty Reduction.....	287
18.6 Concluding Remarks.....	291
CHAPTER NINETEEN: Labour Migration and Brain-Drain: A Tool for Poverty Reduction in Developing Countries	292
19.1 Causes of Labour Migration and Brain-Drain.....	292
19.1.1 Labour Migration and Brain-Drain: A National Phenomenon	293
19.1.2 Labour Migration and Brain-Drain: A Global Phenomenon	295
19.2 Challenges and Benefits of Labour Migration	296
19.3 Labour Migration and Brain-Drain: A Global Opportunity	296
19.3.1 Brain-Drain and Brain-Gain - a New Form of FDI Flow for Poverty Reduction in Developing Nations.....	298
19.3.2 The Poverty Reduction Global Migration Reciprocity Model	300
19.4 Handling Migration Crisis	302
19.5 Conclusion	302
CHAPTER TWENTY: Conclusions and Future Research	304
20.1 FDI Inflows and Investment Regulations in Uganda	304
20.2 Modelling Economic Growth, Employment and Poverty	305
20.2.1 Modelling the Impact of FDI and Other Explanatory Variables on Economic Growth, Employment, and Poverty in Uganda	305
20.3 Estimating the Impact of FDI and Other Explanatory Variables on Economic Growth, Employment and Poverty Reduction in Uganda.....	306

20.3.1 Major Findings on the Impact of FDI on Economic Growth, Employment, and Poverty Reduction in Uganda.....	306
20.4 Policy Implications	307
20.5 Policy Recommendations.....	308
20.5.1 The FDI Frog-Leap Theory for Developing Countries	308
20.5.2 The Community Capital Absorption Capacity Development Framework for Poverty Reduction in Developing Countries	309
20.5.3 Labour Migration and Brain Drain: A Tool for Poverty Reduction in Developing Countries	311
20.6 Limitations of the Study.....	312
20.7 Recommendations for Future Studies	312
20.8 Conclusions.....	313
Appendices.....	316
References.....	347
Index.....	361

LIST OF FIGURES

Fig. 1.1 Global FDI Inflows 1988-2014 (USD billions).....	1
Fig. 2.1 Map of Uganda.....	11
Fig. 2.2 Uganda's Political, Governance and Economic Spectrum 1982-1994.....	12
Fig. 4.1 The Growth of Telecommunication in Uganda, 1985-2014.....	49
Fig. 4.2 Trends in LF and Employment, 1985-2014.....	52
Fig. 4.3 The Growth of Human Capital in Uganda, 1985-2014	53
Fig. 4.4 Trends in Poverty Reduction and GDP Per Capita, 1985-2014.....	54
Fig. 5.1 Trends in Foreign Investment inflow into in Uganda, 1985-2014.....	60
Fig. 6.1 Benefits of Foreign Investment to Parties	77
Fig. 6.2 Learning Curve Events on a new firm.....	84
Fig. 6.3 FDI Mode in inflows Cycle.....	84
Fig. 7.1 MNEs Operation Spectrum to Invest Abroad.....	111
Fig. 8.1 Short-Run FDI Influence on Labour and Wage	113
Fig. 8.2 Process Leading to the Growth of FDI and GVCs	115
Fig. 8.3 Effects of RTA on Participating Nations.....	122
Fig. 9.1 Links Between Democracy, Economic Level, FDI, and Human Capital	134
Fig. 9.2 The Harris-Todaro Employment Model.....	136
Fig. 10.1 Comparative Advantage: Gains from Trade and Investment	149
Fig. 10.2 Laffer Curve Tax Revenue	152
Fig. 12.1 Series Trend Analysis.....	186
Fig. 12.2 Results of the Series Trend Test After First Difference	188
Fig. 12.3 The T-Triangular Shaped Endo-Exogenous Theoretical Model.....	191
Fig. 14.1 Poverty Equation Residual Stability Tests Results.....	217
Fig. 14.2 FDI Equation Q-Statistics Test for Serial Correlation.....	218
Fig. 14.3 Poverty Equation Test Results for Normality.....	219
Fig. 14.4 FDI Equation Residual Stability Tests Results.....	221
Fig. 14.5 FDI Equation Q-Statistics Test for Serial Correlation.....	222
Fig. 14.6 FDI Equation Test Results for Normality.....	223
Fig. 14.7 Tourism Systems Equation Stability Tests	225
Fig. 14.8 Tourism Equation Correlogram Q-Statistics Test Results.....	226
Fig. 14.9 Tourism Equation Test Results for Normality.....	227
Fig. 15.1 Results of Uganda's Poverty Reduction Variance Decomposition	235
Fig. 15.2 Results of Uganda FDI Inflows Variance Decomposition	237
Fig. 15.3 Results of Tourism Expenditure in Uganda Impulse Response Forecast	238
Fig. 15.4 Results of Tourism Expenditure in Uganda Variance Decomposition.....	239
Fig. 15.5 Systems Equations Ex-Post Forecast Fitted Graphs	240
Fig. 15.6 Endogenous Variables Ex-Post Forecast in Uganda, 1985–2014.....	241
Fig. 16.1 Preliminary Investigation of the Relationships among the Variables.....	246
Fig. 16.2 Summary of the Relationship Between the Endogenous Variables and Human Capital.....	247
Fig. 16.4 Summary of the Relationship Between the Endogenous Variables.....	248
Fig. 17.1 FDI Tri-Pro-Investment Circular Model	259
Fig. 17.2 The FDI Mirage Model	260
Fig. 17.4 Demonstration of the Frog-Leap Theory: Behaviour of MNEs in Uganda Since Colonialism.....	262
Fig. 17.5 Trends in Uganda's Political, Economic FDI and Investment Climate Since 1884	263
Fig. 18.1 The Poverty Reduction CCACD Framework for Developing Countries	268
Fig. 18.2 Pro-Investment Integrated Coded System for Poverty Reduction in Developing Countries.....	269
Fig. 18.3 The Relationship Between Security Expenditure and Economic Growth	270
Fig. 18.4 The SCIG Poverty Reduction System	272
Fig. 18.5 SME-Household and Community Groups CCS Projects	272
Fig. 18.8 The Cobweb Theory and the Poverty Intensity in Developing Nations	275
Fig. 18.9 The Poverty Reduction Wage-price Model	276
Fig. 18.10 The Simultaneous Triangular Role of SMEs in a Nation	280
Fig. 18.11 Tourism Village Centers and Poverty Reduction: Two-Sector Services Model.....	281
Fig. 18.12 Private Sector-Driven Job Creation and Income Generation Support Services.....	283

Fig. 18.13 Efficient and Effective Tax System for a Developing Nation	284
Fig. 18.14 Coordinated Administrative and Management System	286
Fig. 18.15 Economic Investment Sphere Models	289
Fig. 18.16 The Poverty Reduction Free-Will System.....	290
Fig. 19.1 The Relationship Between Causes, Migration and Brain-Drain.....	293
Fig. 19.2 Trends in Creation and Tertiary Education Enrolment.....	294
Fig. 19.3 Short-Run FDI Influence on Labour and Wage	297
Fig. 19.4 The Brain Drain Funnel-Shaped Poverty Reduction Tool for Developing Countries	299
Fig. 19.5 The Global Migration Reciprocity Model.....	300

LIST OF TABLES

Table 2.1 The Annexation of Kingdoms and Chiefdoms which Formed Uganda	16
Table 3.1 The Growth of European Coffee Plantation 1910-1918	22
Table 3.2 Banks' Establishment in Uganda 1906-1962.....	25
Table 3.3 Processing Industries During Colonial Administration in Uganda.....	28
Table 3.4 Manufacturing Established Industries Before 1962.....	29
Table 4.1 Systems of Governance in Uganda, 1962 Until Today.....	33
Table 4.2 The Youth Unemployment Crisis in Uganda in 2013.....	52
Table 4.3 Income Tax Assessment, 1963	54
Table 5.1 Number of Electricity Consumers in Uganda in 2015.....	74
Table 7.1 Categories of FDI Theories	96
Table 8.1 Waves of Globalization	120
Table 12.1 Variable Correlation Analysis	186
Table 12.2 ADF Unit Root Tests	187
Table 12.3 Summary of the PP and KPSS Unit Root Test Statistics Results	188
Table 12.4 Summary of the Pairwise Causality Tests	189
Table 13.1 VAR Lag Order Selection Criteria	194
Table 13.2 Summary of the Johansen Cointegration Test Output.....	195
Table 13.3 Estimated Long-Run Relationship by the Johansen Cointegration Test.....	195
Table 13.4 Table 0.20 Summary Display of VECM Systems Model.....	197
Table 13.5 Residual Normality Tests	199
Table 13.6 VEC Residual Portmanteau Tests for Autocorrelations	200
Table 13.7 Residual Serial Correlation LM Tests	201
Table 13.8 Variables diagnostic F-/Wald tests and short-run test	201
Table 13.9 Endogenous variables and human capital VECM Granger causality	202
Table 13.10 Results of VECM Granger causality tests of endogenous variables and openness.....	203
Table 14.1 Results of the Residual Unit Roots Tests for Simultaneous Equation	206
Table 14.2 Summary Display Systems Equation.....	207
Table 14.3 Economic growth equation summary results.....	207
Table 14.4 Economic Growth Equation Breusch-Godfrey Serial Correlation LM Test.....	209
Table 14.5 Economic Growth Equation Tests for Heteroscedasticity	209
Table 14.6 Employment Equation Summary Results	212
Table 14.7 Economic Growth Equation Breusch-Godfrey Serial Correlation LM Test.....	214
Table 14.8 Economic Growth Equation Tests for Heteroscedasticity	214
Table 14.9 Poverty Reduction Equation Summary Results.....	216
Table 14.10 Breusch-Godfrey Serial Correlation LM Test	218
Table 14.11 Economic Growth Equation Tests for Heteroscedasticity	218
Table 14.12 FDI Equation Summary Results	220
Table 14.13 FDI Equation Breusch-Godfrey Serial Correlation LM Test.....	222
Table 14.14 FDI Equation Tests for Heteroscedasticity	222
Table 14.15 Tourism Equation Summary Results	224
Table 14.16 Tourism Equation Breusch-Godfrey Serial Correlation LM Test.....	226
Table 14.17 Tourism Equation Test for Heteroscedasticity	226

FOREWORD

Poverty has been recognized as a threat to humanity for centuries. The United Nations Millennium Summit on poverty in 2000 introduced the Millennium Development goals (MDGs) as tools for poverty reduction in developing countries. Despite the achievements of the MDGs, nearly half of the world population lives on less than USD 3.20 per day. Accordingly, the challenge of poverty, and the approaches that can be adopted to reduce poverty, continue to elude the international community and governments of developing countries. In 2017, the World Bank poverty headcount indicates that over 65% of the total population of Sub-Saharan Africa is considered poor, about 50% of South Asia, and over 10% of Latin America and the Caribbean. This book provides a comprehensive analysis of poverty, based on Uganda. It is based on a PhD thesis of which I was a principal supervisor, while my colleagues, Dr. Ranjith Ihalanayake and Dr. Guneratne Wickremasinghe were co-supervisors. A research paper extract from the thesis received the Best Paper Award, at the 2017 Global Tourism Conference in Malaysia. The need for publishing this book became necessary after a number of invitations from publishers.

The book, as a pioneer, brings together foreign direct investment (FDI), tourism, economic growth, and employment, as well as migration, among others, as key poverty reduction foundation variables for developing countries. The book explores Uganda's poverty reduction off-track experience since Independence in 1962, when the nation was set to grow to prosperity. The key specific tributes of this book include first, the FDI Frog-Leap Theory as a paradigm that explains foreign investment inflows into developing countries. Secondly, the book provides models based on the Community Capital Absorption Capacity Development framework as a tool for poverty reduction in developing countries. Although the emphasis of this work is on FDI and poverty reduction, it contains much that will be of interest to those outside the field of poverty reduction. Indeed, researchers, academics, and students can find this work useful for conducting research, through a simultaneous equation that comprises endogenous and exogenous variables employing Vector Autoregressive methods, such as the Vector Error Correction Mechanism. Specifically, this book is suitable for a number of disciplines which include business, finance, economics, social sciences and political science.

Associate Professor Nada Kulendran
Victoria University, Melbourne Australia

PREFACE

The invitation to publish this book came from my doctoral studies supervisor, Associate Professor Nada Kulendran, after receiving communication from Cambridge Scholars Publishing of the need to publish my work. This was after achieving a Meritorious Pass for my doctoral studies, when a paper extract from my thesis received a Best Paper Award at the Global Tourism Conference, July 19-22 2017, in Terengganu, Malaysia, GTC_072. At that time I looked inadequate, and the task was an uphill one. Later, I noted that many developing countries in Sub-Saharan Africa (SSA) are currently faced with considerably low economic growth rates, and the most alarming high unemployment levels among the young people that have ever been witnessed, while poverty has continued to intensify. While, this condition prevails in developing countries, the role of FDI on economic growth, employment, and poverty, is often assumed to be positively related, with no empirical justification. This background created the motivation for this book being a pioneer, since there is little or no knowledge of the impact of FDI on economic growth, employment, and poverty in Uganda. Even in studies of developed and developing countries in the Association of Southeast Asian Nations (ASEAN) region, and Latin America, which are more proportionately represented in the empirical research, little attention is paid to the subject of this book.

In particular, considering Uganda as a least developed nation, the population is comprised of 60% youth.¹ Annually, there are about 700,000 new entrants from higher institutions into the labour market, while net job creation is only 10% (MFPED 2013). This causes unemployment among school leavers to stand at a record high of about 90%. Moreover, it could be expected that FDI projects would create a significant number of jobs for job seekers, especially youths, who graduate from higher institutions of learning, yet there is no evidence from MFPED to indicate that the 10% of jobs created in Uganda are due to FDI projects. In Uganda it is often assumed that economic growth, job creation, and poverty reduction, automatically accrue from FDI-related projects. To this end, two specific questions arise that this book answers: 1) To what degree has FDI contributed to economic growth and employment in Uganda? 2) To what extent has FDI led to poverty reduction in Uganda? These questions created the need for this country-specific book, which examines the role of FDI on economic growth, employment, and poverty reduction in Uganda.

In addition, although Uganda's FDI inflows have significantly increased since 1985, some observations are worth mentioning. First, FDI is shown to have a positive effect on the host economy by accelerating economic growth, generating employment, and reducing poverty, in the long-run. However, in 2010, out of a total population of 33 million, the insecure non-poor (INP)² were about 13 million, representing 40% of the total population (MFPED 2012). Against this backdrop, UBOS indicates that poverty headcount has increased to 27%, following the Uganda National Household Survey 2016/17, from 17.7% shown in the 2012/13 surveys. Also, among households headed by subsistence farmers, the percentage of the poor increased, from 20.3% to 38.2% during the same period. Second, while this situation is happening in Uganda, empirical findings suggest contrasting findings about the contribution of FDI to host economies, especially in developing countries. The main reasons for contrasting results include total factor productivity, explained by the Solow-Swan Model, and other factors explained by the Malign Model, such as the absorptive capacity of the host nation, crowding out local firms, and capital flight, especially in regard to market-seeking FDI. Whereas countries expect a positive contribution to their economies, in some instances a negative relationship has been noted. For example, Attari, Kamal, and Attaria (2011) found a causal link between FDI and economic growth in the Pakistani economy, as did Athukorala (2003), on the impact of FDI on Sri Lanka's economic growth. Conversely, Mucuk and Demirsel's study (2013) on the effects of FDI on employment in seven developing countries, revealed contrasting results. FDI increased unemployment in Turkey and Argentina, but reduced it in Thailand. Further, FDI was positively related to employment in the long-run, but not in the short-run. As previously indicated, knowledge of the impact of FDI on economic growth, employment, and poverty, in Uganda is limited, so the key question that this book answers is: what is the impact of FDI on economic growth, employment, and poverty, in Uganda?

Further, for decades, FDI has been recognized as a tool for economic growth, employment, and poverty reduction. Considering the reforms, and accelerated FDI inflow increases, the milestones achieved could have had large

¹ Youth in Uganda is comprised of the population within the ages 14-30.

² In Uganda, 'insecure non-poor' refers to Ugandans who may not be poor, but who are vulnerable non-poor, and risk sinking rapidly into poverty if they lose their source of income, especially the employed. The World Bank defines the INP as persons living above the national poverty line, but on less than twice the national poverty line, distinguished on account of the volatility of their incomes, and the risk they face of becoming poor in the event of household shocks or economic hardship.

effects upon economic growth, employment and poverty in Uganda. Even if Uganda was a prosperous nation, a book would be necessary to explain the role of FDI on economic growth, employment, and poverty. Currently, PSIS surveys, and a few previous studies, concentrate on the causal relationship between FDI and economic growth. Based on these studies, it is assumed that foreign investment is positively related to the economy, as well as employment and poverty. Accordingly, there is a need to test the hypothesis with this book's key questions: Further, FDI as a source of physical capital is an important tool for investment and production, and spurs a nation's economic growth, thus leading to employment generation and poverty reduction. FDI would be the main source of capital for developing countries, including Uganda, which are without well-developed capital markets. For GDP to increase, investments have to increase, especially in the manufacturing sector, and agriculture, which is the backbone of developing countries. As FDI inflows increase in a nation, GDP, market size and consumption increase, as do employment, and poverty reduction, in the long-run.

Indeed, since Independence in 1962, Uganda, like other developing countries, joined the race to attract FDI inflows. After enacting policies such as the reforms that led to the establishment of the Uganda Investment Authority (UIA), in 1991, and perhaps due to macroeconomic stability and the establishment of policies that created an environment favorable to investment, Uganda has successfully become a leading favorable FDI destination in East Africa. Despite the accelerated foreign investment, there is little or no knowledge about the impact of FDI on economic growth, employment, and poverty, especially in Uganda. Therefore, this book arose because of a gap in empirical work on the extent and impact of FDI on economic growth, employment, and poverty in Uganda.

Structure of this book

This book begins by providing a brief introduction on FDI inflows. Following that, the book is comprised of three parts. Part One presents the theory and economic structure of the book. This part begins in Chapter Two, by presenting the colonization of Uganda. This is followed by the economic development and FDI inflows into Uganda during colonialism in Chapter Three. Later, Chapter Four examines the transition of the country's economy since Independence, in terms of broad economic indicators and its composition. The chapter provides an account of the country's economy since the adoption of economic reforms in the early 1980s, outlining trends in the growth of Uganda's socioeconomic indicators. Chapter Five discusses FDI inflows into Uganda by first indicating the historical background of foreign investments into the country and examining FDI nationalisation and FDI performance after the reforms, as well as the regulatory framework that provides a pro-investment environment. Second, the chapter provides an account of FDI inflows since the reforms, and explains the regulatory framework. Further, Part One presents foreign investment entry and operations in host nations in Chapter Six. After this, Chapter Seven presents the FDI theories that are presented in three sections. The first includes the definitions used in this book, followed by a historical background to the FDI phenomena. Later, the chapter discusses FDI theories in two broad sections: market-based theory, and international political economy theories. Since this book examines the impact of FDI on poverty in Uganda, the last part of this chapter explains the economic importance of FDI on host nations. Based on Uganda's experience and empirical findings, the chapter identifies what is termed the 'Frog-Leap' Theory, and explains FDI in the context of Uganda as a developing nation. This is due to the firm-home-host-international political economic factors that play a greater role on FDI inflows to Uganda. This is followed in Chapter Eight by a presentation of the economic importance of FDI.

Part One ends by presenting the manner in which the variables employed in this book are modelled. Chapter Nine is concerned with modelling economic growth, employment, and poverty. The chapter begins by explaining the background to economic growth, focusing on the Solow-Swan Model, the Mankiw, Romer and Weil (MRW) Model, and the New Growth Theory (NGT). The chapter explains that, considering these theories, the augmented Solow-Swan Model (ASSM) is a better theory for explaining economic growth, employment, and poverty. This is because by augmenting the original Solow-Swan Model, the MRW Model and the NGT are incorporated into one model. The book finds that ASSM explains that innovations are tools for increasing economic growth, and employment, and reducing poverty, in the long-run. However, the theory indicates that this is subject to TFP and a nation's absorption capacity.

Finally, Part One presents Chapter Ten, which concerns modelling FDI and explanatory variables as a means of establishing the approaches that can be employed to measure their effects on the dependent variables (economic growth, employment, and poverty, based on the Solow-Swan Model). The other explanatory variables include tourism, openness, GE, inflation, human capital, labour force (LF), telecommunications, and civil war. The book concludes that, firstly, FDI and tourism are foreign flows into developing countries, such as Uganda, which supplement a nation's private-sector investment gap, and secondly, the book explains that FDI, tourism, human

capital, and LF, are factor inputs. Thirdly, the book finds that following the Solow-Swan Model explains that these factor inputs depend on increasing TFP, so as to benefit a nation positively. Fourthly, the book finds that telecommunication is an innovation in the Solow-Swan Model, and as such, is a pro-poor technology for a developing nation such as Uganda. Finally, the chapter finds that openness and inflation are innovations in the Solow-Swan Model.

Part Two presents the theoretical framework and empirical analysis. This part begins in Chapter Eleven by presenting the theoretical framework and the scope of the book, and sources of data, and by defining the variables and their measurement approaches. This is followed by an explanation of the procedure through which the book was conducted; that is, empirical analysis measuring the impact of FDI and explanatory variables on Uganda's economic growth, employment, and poverty. The procedure was comprised of different stages that represent independent chapters. The first involved testing the time-series properties of the variables, which included explaining approaches such as the preliminary investigation of the relationship among variables, correlation analysis, unit root testing, and endogeneity analysis simulation methods. The second procedure presented the approaches adopted to measure the short-run and long-run relationships among the variables, including ex-ante forecasting, simultaneous equation specification, and validation approaches. The third procedure involved simultaneous equation simulation methods, diagnostic approaches, results presentation and interpretation, as well as Granger causality methods.

Chapter Twelve involves testing the time-series properties. First, all the series is transformed into logarithmic form, followed by constricting graphs, as a means of deepening the understanding of the relationship among variables. Later, correlation analysis, trend analysis and endogeneity tests are conducted, followed by unit root, employing ADF, Phillips-Perron (PP) and the Kwiatkowski-Phillips-Schmidt-Shin (KPSS) tests.

Chapter Thirteen estimates the short-run and long-run relationships among the co-integrating vectors employing Johansen's Maximum Likelihood (JML) Method. To capture a short-run relationship among the series, the book first establishes a simultaneous equation. Using VAR, which explicitly uses the JML Method through the VECM procedure, short-run relationships are captured, employing F-statistics, or the Wald Chi-square test.

Chapter Fourteen estimates the impact of FDI and other explanatory variables on economic growth, employment, and poverty in Uganda. The book first examines causality tests among interrelated variables. To capture these interrelationships, the book employs VECM, a procedure that opens an avenue through which causality can be tested among variables. The second section involves estimating the simultaneous equation developed in Chapter Nine, using OLS.

Part Two ends by conducting ex-ante and ex-post forecasting in Chapter Fifteen, based on the systems equation established by presenting a forecast of the endogenous variables employed in this book. In particular, ex-ante forecasting is conducted through impulse response and variance decomposition, using the Monte Carlo procedure via Cholesky-dof adjusted ordering. The book finds that short-run and long-run relationships exist among the series. Finally, ex-post analysis is conducted. Further, the implications of FDI Frog-Leap Theory are presented in Chapter Sixteen. Later, factor inputs are noted to be characterised by diminishing returns and low absorption capacity, due to poverty in developing countries. Accordingly, in Chapter Eighteen, the Community Capital Absorption Development (CCACD) framework is established as a plausible solution to poverty in a developing nation such as Uganda. This is followed in Chapter Nineteen by presenting labour migration and brain-drain as tools for poverty reduction in developing countries. Finally, in Chapter Twenty, the book presents conclusions, limitations, and areas for further research.

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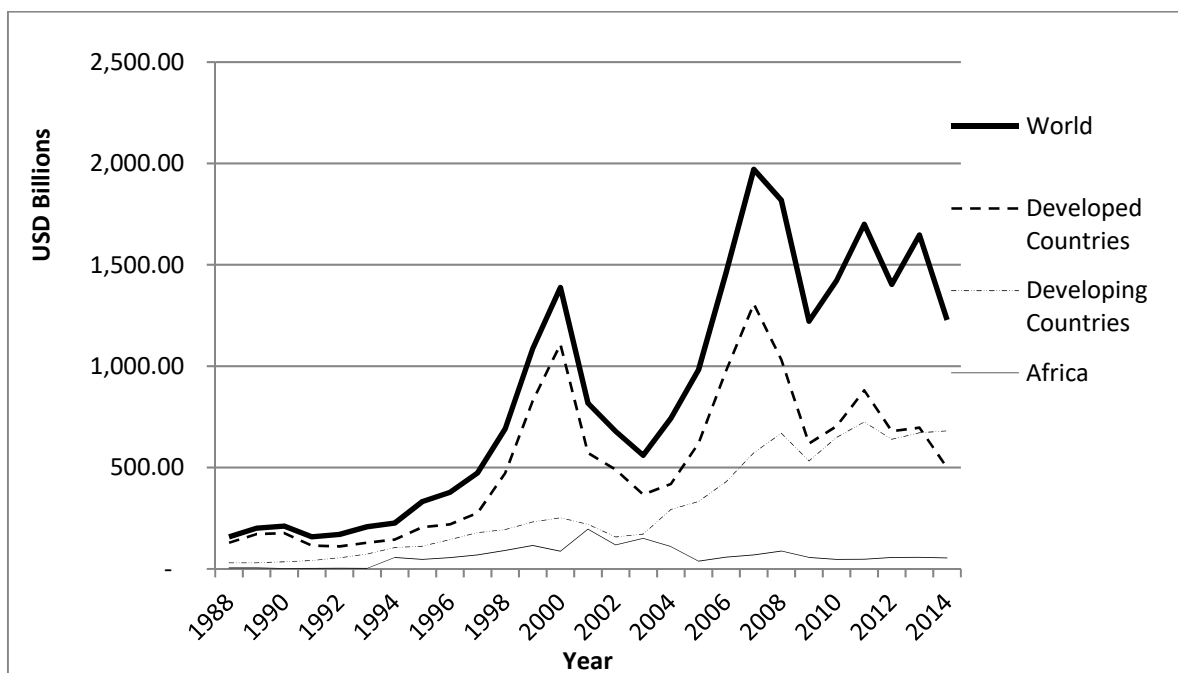
Thank you all. God bless you.

CHAPTER ONE

INTRODUCTION

Economic growth, employment, and poverty reduction are key concerns for nations across the globe. The need to increase economic growth, and create jobs, as a means of reducing poverty, is even more crucial for developing countries. For developing countries, poverty deprives communities of basic human needs, such as food, shelter, and clothing. Governments are constantly devising ways of reducing poverty in their countries, such as through increasing domestic revenue, and donor support. However, least-developed countries, such as Uganda, are locked in a double constraint. First, they have low domestic revenue and donor financial support for infrastructure and social service delivery. Second, they have low private-sector capital and investment capacity due to poverty. In this respect, foreign direct investment (FDI) becomes an important source of private finance (Chea 2011, Sy and Rakotondrazaka 2015, UNCTAD 2015). Arising from the role FDI plays in host nations, global FDI inflows increased from United States Dollars (USD) 158 billion in 1988, to USD 1,228 billion in 2014, as indicated in Fig. 1.1.

Figure 1.1 Global FDI Inflows 1988-2014 (USD billions)



Source: UNCTAD: World Investment Reports (UWIR) 1988-2014

Fig. 1.1 indicates that, though FDI inflows have concentrated in developed countries, the importance of FDI inflows to developing countries as private capital is undeniable. FDI inflows³ into developed countries increased from USD 129 billion in 1988 to USD 499 billion in 2014. During the same period, FDI inflows into developing countries rose from USD 30 billion to USD 681 billion in 2014. Regarding Africa, FDI increased from USD 4.80 billion to USD 54 billion during the period 1988-2014. Also, FDI inflows are increasing in developing countries, but decreasing to some degree in developed countries.

To attract FDI, developing countries have established pro-investment policies that help firms to open subsidiaries in all parts of the world with relative ease. In this regard, policy makers in developing countries such as Uganda

³ See Appendix 1.1 for more detail

attract FDI to accelerate economic growth, job creation, and poverty reduction. This is based on the premise that FDI is a way of obtaining capital and technology that is not available in the host country (Olusanya 2013).

Efforts to transform Uganda's economy can be traced to 1900, during colonial times. The British government provided grants that were used to transform the country from an agrarian society. After Independence in 1962, economic transformation became the responsibility of the Government of Uganda (GOU). To improve the living standards of Ugandans, the GOU embarked on economic reforms to attract FDI to enhance economic growth, increase employment, and reduce poverty. Efforts to attract FDI to Uganda began soon after Independence, through the enactment of the Foreign Investment (Protection) Act (FIPA) of 1964. These policies culminated in the signing of the Uganda-India Trade Agreement, which allowed Indians to establish business enterprises in Uganda. World Bank development indicators revealed that Gross Domestic Product Growth Rate (GDPGR) increased from 4.1% per annum in 1962 to 7.79% per annum in 1970. Meanwhile, Gross Domestic Product (GDP) per capita increased from USD 62.02 to USD 133.40 during the same period.

Nevertheless, with a military coup in 1971, and the eventual expulsion of Indians under the 1972 Decree, followed by international sanctions, earlier efforts to attract FDI became ineffective. GDPGR declined to -2% per annum, and fell further to -11% in 1979. During the same period, the GDP per capita growth rate declined from 4.56% per annum to -14.23% per annum. After the overthrow of President Amin in 1979, new initiatives led by the International Monetary Fund (IMF) and the World Bank were introduced to rescue Uganda from the economic and social doldrums (Kuteesa et al. 2006, Okidi 2000, Okidi et al. 2005, Reniers 2011). Such initiatives included the establishment of the UIA, the flotation of the Ugandan Shilling, and rationalisation of tax structures, aimed at attracting FDI. Since the reforms, FDI inflow increased from USD 30 million in 1985 to USD 1,146.13 million in 2014.

Despite Uganda's increasing FDI inflow since the reforms in the early 1980s, most studies have concentrated on providing evidence of the determinants and contribution of FDI to economic growth in countries such as Uganda, Nigeria and Tanzania, Kenya and Rwanda. Even in studies of developed and developing countries, in the ASEAN region and Latin America, which are more proportionately represented in the empirical research, little attention is paid to the subject of this book. Few studies have explored the impact of FDI on economic growth, employment, and poverty in Uganda. In this regard, a lacuna exists in empirical work which raised the motivation for this book. Therefore, the overarching objective of this book is to examine the role of FDI on economic growth, employment, and poverty reduction in developing countries, with specific reference to Uganda. Specifically, the book firstly explains the impact of FDI on Uganda's economic growth, and secondly, identifies the degree to which FDI has contributed to employment in a country such as Uganda. Further, the book reveals the extent to which FDI has led to poverty reduction in Uganda.

Through policy implications, the book explains the implications of the Frog-Leap Theory on a developing nation such as Uganda. Finally, the book provides mechanisms through which a developing nation can reduce poverty among communities. Specifically, it explains how poverty can be reduced in a developing country. Most importantly, it introduces the Community Capital Absorption Development (CCACD) framework as a tool for poverty reduction. Later, the book presents labour migration and brain-drain as tools for poverty reduction in developing countries.

1.1 Beneficiaries of This Book

Developed countries, such as Britain, and newly industrialised countries like Hong Kong, Singapore, Korea, Taiwan and Botswana, are often considered to have succeeded in attaining high levels of economic growth by attracting FDI. These countries experienced a rapid rate of growth through FDI, and Uganda needs to achieve higher levels of economic growth and employment generation, in order to reduce poverty, and to progress from a least-developed, highly indebted, poor country, to a middle-income country. This book can be used by a wide range of sectors in developing countries, such as policy makers, investors, communities, and academics. Firstly, policy makers; for example, in Uganda, the Ministry of Finance, Planning and Economic Development (MFPED) and the National Planning Authority (NPA) can find the policy implications of the book useful in formulating policies for both domestic and foreign investors. To this end, policymakers are encouraged to develop relevant and effective policies to attract FDI into strategic industries, which benefit communities and help the unemployed find jobs. Also, through the book, effective pro-investment policies can enable a nation such as Uganda to become a more favourable destination for FDI and accelerate economic growth, employment, and poverty reduction.

Secondly, the policies in the book can benefit both foreign and local investors, as well as communities. Local investors benefit through entrepreneurial development arising from FDI spill-over effects, such as technology

transfer, new skills and know-how, which facilitate the establishment of new projects. Thirdly, the unemployed, especially the young people, through this book, can either find jobs in FDI-related projects, or in projects established by local entrepreneurs, thus accelerating economic growth and alleviating the unemployment crisis in a nation such as Uganda. In the long-run, income and welfare will increase, thus enabling communities, especially the rural and urban poor, to move out of poverty. Finally, the book adds to knowledge through its empirical quantitative perspective, which focuses on five endogenous variables. The book explores FDI and its impact on economic growth, employment, and poverty, in Uganda. Also, it investigates tourism and its impact on Uganda's economy. To this end, researchers, academics, and students can find this book useful as a guide for conducting research, through a simultaneous equation that comprises endogenous and exogenous variables employing Vector Autoregressive methods, such as Vector Error Correction Mechanism (VECM). Specifically, this book is suitable for a number of disciplines which include finance and economics, business, social sciences and political science.

List of Abbreviations

ADB	Africa Development Bank
ADF	Augmented Dickey-Fuller
ADLM	Autoregressive Distributed Lag Model
ADR	Alternative Dispute Resolution
AIC	Akaike Information Criterion
ANC	Africa National Congress
ARCH	Autoregressive Conditional Heteroscedasticity
ASEAN	Association of South East Asian Nations
ASSM	Augmented Solow-Swan Model
BITs	Bilateral Investment Treaties
BOP	Balance of Payment
BOU	Bank of Uganda
BPG-HT	Breusch-Pagan-Godfrey heteroscedasticity tests
BRICS	Brazil, Russia, India China and South Africa
CBP	Custodian Board Properties
CCACD	Community Capital Absorption Capacity Development
CCS	Capacity Community Support
CET	Common External Tariff
CMC	Common Man's Charter
CMS	Church Missionary Society
CNCP	Conflict-Needs-Cause-Proposal
COMESA	Common Market of East and Southern Africa
CPI	Consumer Price Index
CRS	Corporate Social Responsibility
CSFs	Critical Success Factors
CSO	Civil Society Organizations
CUSUM	Cumulative Sum Control Chart
DAC	Development Assistance Committee
DAPCB	Departed Asians Property Custodian Board
DNTR	Domestic non-tax revenue base
DNTS	Domestic National Transfer System
DRM	Domestic Revenue Mobilization
DTA	Double Taxation Agreement
DTL	Domestic Tax Laws
DTVCM	District Tourism Village Centre Management Committee
DW	Durbin-Watson
EAC	East African Community
EACCU	East Africa Community Customs Union
EAC-DTA	East African Community Double Taxation Agreement
EACMA	East African Customs Management Act
EAEC	European Atomic Energy Community
EAPLC	East African Power and Lighting Company
EDI	Electronic Data Interchange
EEC	European Economic Community
EEI	Exit and Entry Infrastructure
EISM	Economic Investment Sphere Model
ELGS	Export-led Growth Strategy
ERA	Electricity Regulatory Authority
ERP	Economic Recovery Program
ESS	Economic and social services
EU	European Union
EUL	Eskom (Uganda) Limited
EWD	Economic War Declaration
FDI	Foreign Direct Investment
FGT	Foster-Greer-Thorbecke
FHH-IPE	Firm-Home-Host-IPE
FIPA	Foreign Investment (Protection) Act
FPE	Final Prediction Error
FPI	Foreign Portfolio Investment
FTA	Free Trade Area
FWS	Free-Will System
GATS	Trade in Services Agreement
GATT	General Agreement on Trade and Tariffs
GDP	Gross Domestic Product
GDPGR	Gross Domestic Product Growth Rate

GE	Government Expenditure
GFC	Gender Focused CCS
GNDI	Gross National Disposable Income
GOU	Government of Uganda
GPRIC	Global Poverty Reduction Investment Conference
GVC	Global Value Chain
HCA	Head Count Approach
HDI	Human Development Indictors
HDM	Harrod-Domer model
HIPC	Highly Indebted Poor Country
HIV/AIDS	Human Immunodeficiency Virus/ Acquired Immunodeficiency Syndrome
H-O	Heckscher-Ohlin
HQ	Hannan-Quinn
IBEAC	Imperial British East Africa Company
CSID	International Centre for Settlement of Investment Disputes
ICT	Communication Technology
ICT	Information Communication Technology
IJV	International Joint Venture
ILIC	Inland Infrastructure Connectivity
ILO	International Labour Organization
IMF	International Monetary Fund
INP	Insecure-non-poor
IMF	International Monetary Fund
IOT	Industrial Organisation Theory
IPE	International Political Economy
IPi	International Portfolio Investment
ISS	Import Substitution Strategy
ISS	Import Substitution Strategy
IV	Instrument Variable
JB	Jarque-Bera
JML	Johansen Maximum Likelihood
KPSS	Kwiatkowski, Phillips, Schmidt and Shin
KSW	Kakira Sugar Works
KY	Kabaka Yeka
LC	Local Content
LCR	Local Content Requirements
LF	Labour Force
LFP	Labour Force Participation
LFPR	Labour Force Participation Rate
LI	Laspeyres Price Index
LM	Langrange Multiplier
LPI	Laspeyres Price Index
LR	Likelihood Ratio
MAI	Multilateral Agreement on Investment
M-As	Mergers and Acquisitions
MCPs	Micro Community Projects
MFN	Most Favoured Nation
MPED	Ministry of Finance Planning and Economic Development
MFS	Money Financial Services
MGLSD	Ministry of Gender, Labour and Social Development
MIGA	Multilateral Investment Guarantee Agency
MMA	Mobile Money Agent
MMOs	Mobile Money Operators
MNEs	Multi-National Enterprises
MMOs	Mobile money operators
MNFs	Money Financial Services
MP	Money Payment
MPI	Multidimensional Poverty Index (I)
MPK	Marginal Product of Capital
MRAs	Mutual Recognition Agreements
NGT	New Growth Theory
MRW	Mankiw, Romer and Weil
MTWA	Ministry of Tourism, Wildlife and Antiquities
MV	Money Velocity
NWSC	National Water and Sewerage Corporation
NATS	National Transfer System
NEMs	Non-equity modes

Nos	Network Operators
NGO	Non-Government Organization
NGT	New Growth Theory
NLLS	Non-Linear Least Square
NLLS/ARMA	Non-Linear Least Square/Autoregressive Moving Average
NPA	National Planning Authority
NRM	National Resistance Movement
NRS	National Revenue Sources
n-SEG	n-shaped Economic Growth (n-SEG) curve
NT	National Treatment
NTEs	Non-Traditional Exports
NTMs	Non-tariff Measures
NTOVCC	National Tourism Village Co-ordination Centre
NTRS	National Tax Registration System
NTS	National Tax Structure
NWSC	National Water and Sewerage Corporation
ODA	Official Development Assistance
OECD	Organization of Economic Cooperation and Development
OLS	Ordinary Least Square
OSC	One-Stop-Centre
PAYE	Pay as You Earn
PCB	Properties Custodian Board
PEAP	Poverty Eradication Action Plan
PGA	Poverty Gap Approach
PGI	Poverty Gap Index
PIC	Pro-Investment Integrated Coded system
PIT	Portfolio Investment Theory
PIVI	Poverty Intensity Vulnerability Index
PLC	Product Life Cycle
PP	Phillips-Perron Test.
PPG	Public and Publicly Guaranteed bilateral concessional
PPP	Public Private Partnership
PriPP	Private partnerships
PSIS	Private-Sector Investment Surveys
RCM	Catholic Roman Missionaries
RFS	Rural Farmland Sector
RIS	Rural Inputs Services
RMSE	Root Mean-Square Error
RSE	Rural Sector Employment
RTA	Regional Trade Agreement
RVCO	Rural Value Chain Output
SADC	South Africa Development Community
SAGE	Social Assistance Grants for Empowerment
SAP	Structural Adjustment Program
SCIG	SME-CCS Integrated Growth
SCOUL	Sugar Corporation of Uganda Limited
SEATINI	Southern and Eastern Africa Trade Information and Negotiations Institute
Ushs	Uganda Shillings
SIC	Schwarz Information Criterion
SMEs	Small and Medium Enterprises
SOE	State Owned Enterprise
SQP	Squared Poverty Gap
TEs	Traditional Exports
TEs	Traditional Exports
TFP	Total Factor Productivity
TSSIA	Three Simultaneous Sector-Integrated Approach
TOT	Terms of Trade
TVC	Tourism Value Chain
TOVCs	Tourism Village Centres
TRIPS	Trade Related Intellectual Property Rights
TS	Tourism Support
TSRCD	Three-Sector Rural Community Development
TSRM	Tax System Review Mechanism
TUIS	Tourism Utility Infrastructure Services
TVC	Tourism Value Chain
UBOS	Uganda Bureau of Statistics
UCB	Uganda Commercial Bank

UCSB	Uganda Credit and Savings Bank
UNCTAD	United Nations Conference on Trade and Development
UDC	Uganda Development Corporation
UEB	Uganda Electricity Board
UEDCL	Uganda Electricity Distribution Company Limited
UEGCL	Uganda Electricity Generation Company Limited
UEPB	Uganda Export Promotion Board
UETCL	Uganda Electricity Transmission Company Limited
UIA	Uganda Investment Authority
UK	United Kingdom
UN	United Nations
UNBS	Uganda National Bureau of Standards
UNCTAD	United Nations Conference on Trade and Development
UNFPA	United Nations Population Fund
UNLA	Uganda National Liberation Army
UNLF	Uganda National Liberation Front
UPC	Uganda Peoples' Congress
UPE	Universal Primary Education
UR	Uganda Railway
URA	Uganda Revenue Authority
URSB	Uganda Registration Services Bureau
USA	United States of America
USD	United States Dollars
USE	Universal Secondary Education
USE	Urban Sector Employment
USSE	Universal Secondary School Education
UTB	Uganda Tourist Board
UWA	Uganda Wildlife Authority
UWIR	UNCTAD World Investment Reports
VAR	Vector Autoregressive
VAT	Value Added Tax
VCP	Vicious Circle of Poverty
VECM	Vector Error Correction Mechanism
WDI	World Bank Development Indicators
WDP	Worthington Development Plan
WHT	Withholding Tax
WIPO	World Intellectual Property Organization
WOEs	Wholly Owned Enterprises
WTO	World Trade Organization
YFC	Youth Focused CCS
2SLS	Two-Stage Least Square

