

Cambridge University Press & Assessment 978-1-009-42537-7 — Researching English Medium Instruction Samantha M. Curle , Jack Pun Table of Contents More Information

## Contents

Lis	at of Figures	page ix	
Lis	et of Tables	X	
Pre	eface	xiii	
Aci	knowledgments	XV	
No	tes on Editors	xvi	
No	tes on Contributors	xviii	
Qu	Introduction to Researching English Medium Instruction Using antitative Research Methods  MANTHA M. CURLE AND JACK PUN	1	
Part I Theoretical Chapters			
1	Mathematics and Science Learning in Primary and Secondary School EMI Classrooms: Evidence from PISA and TIMSS SIBEL KAYA	11	
2	Investigating Differences between Groups: Using ANOVA in EMI Research GENE THOMPSON AND VICTORIA KIM	27	
3	The Use of Likert-Type Scales in Survey Research Examining Students' Attitudes, Challenges, and Languages Use in an EMI University in Hong Kong CHRISTOPHER SHEPARD	40	
4	Using Systematic Review to Explore Teaching and Learning Issuin the Context of EMI  JACK PUN AND KASON KA CHING CHEUNG	ies 55	

vii



Cambridge University Press & Assessment 978-1-009-42537-7 — Researching English Medium Instruction Samantha M. Curle , Jack Pun Table of Contents More Information

## viii Contents

## Part II Empirical Chapters (Case Studies)

5	The Application of Partial Least Squares Structural Equation Modeling in Studies of EMI: An Empirical Demonstration and Application Prospect CHIA-WEI TANG, YU-HUI CHANG, DALE L. ALBANESE, AND HSUEH-HUA CHUANG	73
6	Factor Analysis in Writing Research: Investigating Grammatical Complexity in Science Writing from EMI Students in a Hong Kong University GE LAN AND XIAORUI LI	92
7	Analyzing Questionnaire Data through Many-Facet Rasch Measurement: A Pilot Study of Students' Attitudes toward EMI in the Chinese Higher Education Context JIE GAO	107
8	Questionnaire Development and Analysis in EMI Research: A Study of EMI Learner Motivation and Attitudes XUYAN QIU, RUI YUAN, AND TIEFU ZHANG	134
9	Effects of EMI on Learners' Linguistic Development: A Corpus-Based Analysis PENG BI AND YUJUN LIU	150
10	Path Analysis of Science Learning in Hong Kong's EMI Secondary Schools XINA JIN AND JACK PUN	168
11	Questionnaire Survey in Researching EMI QIANWEN JOYCE YU	183
12	The Use of MANOVA in Analyzing the Effects of Gender on Perceived Difficulties in Speaking and Writing in a Hong Kong EMI University  KASON KA CHING CHEUNG, JACK PUN, AND YU HAO	207
13	Using a Longitudinal Quantitative Design to Investigate Student Transition from Secondary School to EMI Higher Education SIHAN ZHOU	227
14	A Corpus-Based Multidimensional Analysis of EMI University Classroom Discourse: The Case of Singapore ENIKO CSOMAY, REKA R. JABLONKAI, AND SIEW MEI WU	240
Inde	ex	263