# Table of Contents

**Preface**                                                                                             ......................................................... xv

**Acknowledgment**                                                                                       ........................................................................ xxii

## Section 1
### Theoretical and Conceptual Approaches

**Chapter 1**
Ethical Issues of ‘Morality Mining’: Moral Identity as a Focus of Data Mining ................................. 1
  *Markus Christen, University of Zürich, Switzerland & University of Notre Dame, USA*
  *Mark Alfano, Princeton University, USA & University of Oregon, USA*
  *Endre Bangerter, Bern University of Applied Sciences, Switzerland*
  *Daniel Lapsley, University of Notre Dame, USA*

**Chapter 2**
Ethical Data Mining and Social Science Data Exploration and Description: Scope and Limitations in Social Science Research ........................................................................................................ 22
  *Arabi U., Mangalore University, India*

**Chapter 3**
Reuse of Excess Research Data for New Researches ................................................................................. 40
  *Amiram Porath, College for Academic Studies, Israel*

**Chapter 4**
Data Mining Techniques to Improve Early Warning Systems across the Bay of Bengal: A Bangladesh Perspective .................................................................................................................................... 53
  *Hakikur Rahman, University of Minho, Portugal*

## Section 2
### Socio-Economic Development and Implications

**Chapter 5**
Spidering Scripts for Opinion Monitoring ................................................................................................. 88
  *Antonella Capriello, University of Eastern Piedmont, Italy*
  *Piercarlo Rossi, University of Eastern Piedmont, Italy*
Chapter 6
Big Data Dilemmas: The Theory and Practice of Ethical Big Data Mining for Socio-Economic Development
Debashis “Deb” Aikat, University of North Carolina at Chapel Hill, USA

Chapter 7
Social Science Data Analysis: The Ethical Imperative
Anthony Scime, State University of New York, USA
Gregg R. Murray, Texas Tech University, USA

Chapter 8
Data Mining Algorithms for Measuring Performance Impact of Social Development Processes: Ethical Implications
Hakikur Rahman, University of Minho, Portugal

Section 3
Governance and Applications

Chapter 9
A Customised Dataset to Assist Legal and Ethical Governance of Seaports
Ana Ximena Halabi Echeverry, Macquarie University, Australia & Universidad de La Sabana, Colombia
Deborah Richards, Macquarie University, Australia

Chapter 10
Ethical and Legal Data Mining: Paradigms of Organizational Development Practitioners and Organizational Psychologists
Ben Tran, Alliant International University, USA

Chapter 11
Measuring Student Learning Responsibly: A Learning Analytics Perspective with Web 2.0
Kam Hou Vat, University of Macau, Macau

Chapter 12
Improved Decision Support System to Develop a Public Policy to Reduce Dropout Rates for Four Minorities in a Society
Alberto Ochoa-Zezzatti, Juarez City University, Mexico
Saúl González, Juarez City University, Mexico
Fernando Montes, Juarez City University, Mexico
Seyed Amin, Technological Teheran University, Iran
Lourdes Margain, Polytechnic University of Aguascalientes, Mexico
Guadalupe Gutiérrez, Polytechnic University of Aguascalientes, Mexico