Challenges of Managing Information Quality in Service Organizations

Table of Contents

Foreword vii
Preface ix
Acknowledgments xxiii

Section I: IQ Application in the Healthcare Industry

Chapter I
Galaxy’s Data Quality Program: A Case Study 1
Eric Infeld, UnitedHealth Group/Ingenix, USA
Laura Sebastian-Coleman, UnitedHealth Group/Ingenix, USA

Chapter II
Information Quality Function Deployment 26
Latif Al-Hakim, University of Southern Queensland, Australia
Section II: IQ Application in Banking, Real States, and Postal Industry

Chapter III
Customer Investigation Process at Credit Suisse:
Meeting the Rising Demands of Regulators ........................................... 52
Daniel Maier, Credit Suisse, Switzerland
Thomas Muegeli, Credit Suisse, Switzerland
Andrea Krefza, Credit Suisse, Switzerland

Chapter IV
Assessing Mass Consumer Information Quality Requirements Using
Conjoint Analysis .................................................................................. 77
Elizabeth M. Pierce, Indiana University of Pennsylvania, USA

Chapter V
Applying Name Knowledge to Information Quality Assessments......... 99
Kimberly D. Hess, CASA 20th Judicial District, USA
John R. Talburt, University of Arkansas at Little Rock, USA

Section III: IQ Application for Database Management Services

Chapter VI
Information Quality: How Good are Off-the-Shelf DBMS?.................115
Felix Naumann, Humboldt-Universität zu Berlin, Germany
Mary Roth, IBM Silicon Valley Lab, USA

Chapter VII
Management of Data Streams for Large-Scale Data Mining ............... 136
Jon R. Wright, AT&T Labs - Research, USA
Gregg T. Vesonder, AT&T Labs - Research, USA
Tamraparni Dasu, AT&T Labs - Research, USA

Chapter VIII
Metadata Quality Problems in Federated Collections......................... 154
Besiki Stvilia, Florida State University, USA
Les Gasser, University of Illinois at Urbana-Champaign, USA
Michael B. Twidale, University of Illinois at Urbana-Champaign, USA
Section IV: IQ Application for Research and Development

Chapter IX
Analyzing Information Quality in Virtual Networks of the Services Sector with Qualitative Interview Data......................... 187
   Helinä Melkas, Helsinki University of Technology, Finland

Chapter X
Quality Measures and the Information Consumer................................. 213
   Mikhaila S. E. Burgess, Cardiff University, UK
   W. Alex Gray, Cardiff University, UK
   Nick J. Fiddian, Cardiff University, UK

Chapter XI
DQ Options: Evaluating Data Quality Projects Using Real Options...... 243
   Monica Bobrowski, Pragma Consultores, Argentina
   Sabrina Vazquez Soler, Pragma Consultores, Argentina

Chapter XII
Purpose-Focused View of Information Quality:
Teleological Operations Research-Based Approach ........................ 277
   Zbigniew J. Gackowski, California State University Stanislaus, USA

About the Authors.................................................................................... 310

Index......................................................................................................... 316