

1. Record Nr.	UNINA9910464265903321
Autore	Cory Therese Scarpelli <1982->
Titolo	Aquinas on human self-knowledge // Therese Scarpelli Cory [[electronic resource]]
Pubbl/distr/stampa	Cambridge : , : Cambridge University Press, , 2014
ISBN	1-107-50294-2 1-139-89360-2 1-107-50135-0 1-107-50671-9 1-107-51710-9 1-107-33761-5 1-107-49739-6 1-107-50402-3
Descrizione fisica	1 online resource (xi, 241 pages) : digital, PDF file(s)
Disciplina	126.092
Soggetti	Self-knowledge, Theory of
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Title from publisher's bibliographic system (viewed on 05 Oct 2015).
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	; Machine generated contents note: ; pt. I HISTORICAL AND TEXTUAL ORIGINS -- ; 1. The development of a medieval debate -- ; 2. The trajectory of Aquinas's theory of self-knowledge, 1252 -- 72 -- ; pt. II PHENOMENA AND PROBLEMS -- ; 3. Perceiving myself: the content of actual self-awareness -- ; 4. Perceiving myself: is self-awareness an intuitive act? -- ; 5. The significance of self-presence: habitual self-awareness -- ; 6. Implicit vs. explicit self-awareness and the duality of conscious thought -- ; 7. Discovering the soul's nature: quidditative self-knowledge -- ; 8. Self-knowledge and psychological personhood.
Sommario/riassunto	Self-knowledge is commonly thought to have become a topic of serious philosophical inquiry during the early modern period. Already in the thirteenth century, however, the medieval thinker Thomas Aquinas developed a sophisticated theory of self-knowledge, which Therese Scarpelli Cory presents as a project of reconciling the conflicting phenomena of self-opacity and privileged self-access. Situating Aquinas's theory within the mid-thirteenth-century debate and his own

maturing thought on human nature, Cory investigates the kinds of self-knowledge that Aquinas describes and the questions they raise. She shows that to a degree remarkable in a medieval thinker, self-knowledge turns out to be central to Aquinas's account of cognition and personhood, and that his theory provides tools for considering intentionality, reflexivity and selfhood. Her engaging account of this neglected aspect of medieval philosophy will interest readers studying Aquinas and the history of medieval philosophy more generally.

2. Record Nr.	UNINA9911019379303321
Autore	Smilde Age K
Titolo	Multi-way analysis with applications in the chemical sciences // Age Smilde, Rasmus Bro, and Paul Geladi
Pubbl/distr/stampa	Chichester, West Sussex, England ; ; Hoboken, NJ, : J. Wiley, c2004
ISBN	9786610274628 9781280274626 128027462X 9780470012116 0470012110 9780470012109 0470012102
Descrizione fisica	1 online resource (397 p.)
Altri autori (Persone)	BroRasmus GeladiPaul
Disciplina	540/.72
Soggetti	Chemistry - Statistical methods Multivariate analysis
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references (p. [351]-369) and index.
Nota di contenuto	Multi-way Analysis with Applications in the Chemical Sciences; CONTENTS; Foreword; Preface; Nomenclature and Conventions; 1 Introduction; 1.1 What is multi-way analysis?; 1.2 Conceptual aspects of multi-way data analysis; 1.3 Hierarchy of multivariate data structures in chemistry; 1.4 Principal component analysis and PARAFAC; 1.5

Summary; 2 Array definitions and properties; 2.1 Introduction; 2.2 Rows, columns and tubes; frontal, lateral and horizontal slices; 2.3 Elementary operations; 2.4 Linearity concepts; 2.5 Rank of two-way arrays; 2.6 Rank of three-way arrays  
2.7 Algebra of multi-way analysis 2.8 Summary; Appendix 2.A; 3 Two-way component and regression models; 3.1 Models for two-way one-block data analysis: component models; 3.2 Models for two-way two-block data analysis: regression models; 3.3 Summary; Appendix 3.A: some PCA results; Appendix 3.B: PLS algorithms; 4 Three-way component and regression models; 4.1 Historical introduction to multi-way models; 4.2 Models for three-way one-block data: three-way component models; 4.3 Models for three-way two-block data: three-way regression models; 4.4 Summary  
Appendix 4.A: alternative notation for the PARAFAC model Appendix 4. B: alternative notations for the Tucker3 model; 5 Some properties of three-way component models; 5.1 Relationships between three-way component models; 5.2 Rotational freedom and uniqueness in three-way component models; 5.3 Properties of Tucker3 models; 5.4 Degeneracy problem in PARAFAC models; 5.5 Summary; 6 Algorithms; 6.1 Introduction; 6.2 Optimization techniques; 6.3 PARAFAC algorithms; 6.4 Tucker3 algorithms; 6.5 Tucker2 and Tucker1 algorithms; 6.6 Multi-linear partial least squares regression  
6.7 Multi-way covariates regression models 6.8 Core rotation in Tucker3 models; 6.9 Handling missing data; 6.10 Imposing non-negativity; 6.11 Summary; Appendix 6.A: closed-form solution for the PARAFAC model; Appendix 6.B: proof that the weights in trilinear PLS1 can be obtained from a singular value decomposition; 7 Validation and diagnostics; 7.1 What is validation?; 7.2 Test-set and cross-validation; 7.3 Selecting which model to use; 7.4 Selecting the number of components; 7.5 Residual and influence analysis; 7.6 Summary; 8 Visualization; 8.1 Introduction  
8.2 History of plotting in three-way analysis 8.3 History of plotting in chemical three-way analysis; 8.4 Scree plots; 8.5 Line plots; 8.6 Scatter plots; 8.7 Problems with scatter plots; 8.8 Image analysis; 8.9 Dendrograms; 8.10 Visualizing the Tucker core array; 8.11 Joint plots; 8.12 Residual plots; 8.13 Leverage plots; 8.14 Visualization of large data sets; 8.15 Summary; 9 Preprocessing; 9.1 Background; 9.2 Two-way centering; 9.3 Two-way scaling; 9.4 Simultaneous two-way centering and scaling; 9.5 Three-way preprocessing; 9.6 Summary; Appendix 9.A: other types of preprocessing  
Appendix 9.B: geometric view of centering

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## Sommario/riassunto

This book is an introduction to the field of multi-way analysis for chemists and chemometricians. Its emphasis is on the ideas behind the method and its practical applications. Sufficient mathematical background is given to provide a solid understanding of the ideas behind the method. There are currently no other books on the market which deal with this method from the viewpoint of its applications in chemistry. Applicable in many areas of chemistry. No comparable volume currently available. The field is becoming increasingly important.

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