1. Record Nr.	UNINA9910457325503321
Titolo	Archaeology to delight and instruct : active learning in the university classroom / / Heather Burke, Claire Smith, editors
Pubbl/distr/stampa	London : , : Routledge, , 2016
ISBN	1-315-43364-8
	1-315-43365-6
	1-59874-784-3
Descrizione fisica	1 online resource (290 p.)
Collana	One world archaeology series ; ; v. 49
Altri autori (Persone)	BurkeHeather <1966->
	SmithClaire <1957->
Disciplina	930.1071
Soggetti	Archaeology - Study and teaching (Higher)
	Active learning
	College teaching - Philosophy
	Archaeology - Study and teaching (Higher) - Activity programs
	Electronic books.
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	First published 2007 by Left Coast Press, Inc.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Contents; 1. Lectures as Usual? Teaching Archaeology for Fun / Claire Smith and Heather Burke; Part I: Role Play; 2. Seven Degrees of Archaeology, or Diverse Ways of Interpreting the Past / Heather Burke and Claire Smith; 3. The Great Debate: Archaeology, Repatriation, and Nationalism / Morag M. Kersel; Part II: Games; 4. Grasp, or Happy Families, the Archaeological Way / Gail Higginbottom; 5. The Skin Game: Teaching to Redress Stereotypes of Indigenous People / Claire Smith and Heather Burke; 6. The Big Dig: Theoretically Speaking / Gail Higginbottom; Part III: Simulations
	7. The Game of Context: Teaching the History of Archaeology Without Foregone Conclusions / John Carman 8. The Simulated Excavation: An Alternative to Archaeological Site Destruction / Bradley F. Bowman and Glenna Dean; 9. Digging Your Own Grave: Generic Skills from an Archaeological Simulation / Clive Orton; Part IV: Hands-on Activities; 10. Playing with Ochre: Some Problems Associated with the Analysis of Indigenous Rock Markings / Michael Diplock and Abigail Stein; 11.

Perspectives from a Pot: Introducing Archaeological Theory Through Visual Interpretation / Melinda Leach
12. Culture of Litterbugs / M. Jay Stottman, Sarah E. Miller, and A. Gwynn Henderson 13. Toilets as Tools of Teaching / H. Martin Wobst; 14. Simple Ideas to Teach Big Concepts: 'Excavating' and Analyzing the Professor's Desk Drawer and Wastebasket / Larry J. Zimmerman; Part V: Creative Construction and Performance; 15. The Draw-an-Archaeologist Test: Eliciting Student's Ideas About Archaeology / Susan Renoe; 16. Using the Fictional Tale as a Learning Tool / Caryn M. Berg; 17. Telling Stories About the Past: Archaeology and Museum Interpretation / Jane Lydon
18. Scenarios for Archaeologists: A Teaching Tool / Mitch Allen Part VI: Critical Reflection; 19. The Scrapbook Exercise: Teaching Archaeology of Death as Critical Thinking / Patricia E. Rubertone; 20. Brain Candy / K. Anne Pyburn; Index; About the Contributors

Sommario/riassunto	This book presents novel and interesting ways of teaching archaeological concepts and processes to college and university students. Seeking alternatives to the formal lecture format, the various contributions seek better ways of communicating the complexities of human behavior and of engaging students in active learning about the past. This collection of imaginative exercises designed by 20 master instructors on three continents includes role-playing, games, simulations, activities, and performance, all designed to teach archaeological concepts in interesting and engaging ways.

2.	Record Nr.	UNINA9910482987803321
	Autore	Chen Qingfeng
	Titolo	Intelligent Strategies for Pathway Mining : Model and Pattern Identification / / by Qingfeng Chen, Baoshan Chen, Chengqi Zhang
	Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2014
	ISBN	9783319041728 331904172X
	Edizione	[1st ed. 2014.]
	Descrizione fisica	1 online resource (XVIII, 299 p. 80 illus.)
	Collana	Lecture Notes in Artificial Intelligence ; ; 8335
	Disciplina	006.3
	Soggetti	Artificial intelligence Database management Algorithms Application software Information storage and retrieval Computers Artificial Intelligence Database Management Algorithm Analysis and Problem Complexity Information Systems Applications (incl. Internet) Information Storage and Retrieval Computation by Abstract Devices
	Lingua di pubblicazione	Inglese
	Formato	Materiale a stampa
	Livello bibliografico	Monografia
	Note generali	Bibliographic Level Mode of Issuance: Monograph
	Nota di contenuto	Introduction -- Data Resources and Applications.- Detecting Inconsistency in Biological Molecular Databases Using Ontologies. - Exploration of Positive Frequent Patterns for AMP-Activated Protein Kinase Regulation.- Mining Protein Kinase Regulation Using Graphical Models -- Mining Inhibition Pathways for Protein Kinases on Skeletal Muscle.- Modeling Conserved Structure Patterns for Functional Noncoding RNA.- Interval Based Similarity for Function Classification of RNA Pseudoknots -- Discovery of Structural and Functional Features Bind to RNA Pseudoknots.- Mining Featured Patterns of MiRNA

Interaction Based on Sequence and Structure Similarity -- Discovering Conserved and Diverged Patterns of MiRNA Families.- Bioinformatics-Based Drug Discovery for Protein Kinases.- Conclusion and FutureWorks -- References.

Sommario/riassunto	This book is organized into thirteen chapters that range over the relevant approaches and tools in data integration, modeling, analysis and knowledge discovery for signaling pathways. Having in mind that the book is also addressed for students, the contributors present the main results and techniques in an easily accessed and understood way together with many references and instances. Chapter 1 presents an introduction to signaling pathway, including motivations, background knowledge and relevant data mining techniques for pathway data analysis. Chapter 2 presents a variety of data sources and data analysis with respect to signaling pathway, including data integration and relevant data mining applications. Chapter 3 presents a framework to measure the inconsistency between heterogenous biological databases. A GO-based (genome ontology) strategy is proposed to associate different data sources. Chapter 4 presents identification of positive regulation of kinase pathways in terms of association rule mining. The results derived from this project could be used when predicting essential relationships and enable a comprehensive understanding of kinase pathway interaction. Chapter 5 presents graphical model-based methods to identify regulatory network of protein kinases. A framework using negative association rule mining is introduced in Chapter 6 to discover featured inhibitory regulation patterns and the relationships between involved regulation factors. It is necessary to not only detect the objects that exhibit a positive regulatory role in a kinase pathway but also to discover those objects that inhibit the regulation. Chapter 7 presents methods to model ncRNA secondary structure data in terms of stems, loops and marked labels, and illustrates how to find matched structure patterns for a given query. Chapter 8 shows an interval-based distance metric for computing the distance between conserved RNA secondary structures. Chapter 9 presents a framework to explore structural and functional patterns of RNA pseudoknot structure according to probability matrix. Chapter 10 presents methods to model miRNA data and identify miRNA interaction of cross-species and within-species. Chapter 11 presents an approach to measure the importance of miRNA site and the adjacent base by using information redundancy and develops a novel measure to identify strongly correlated infrequent itemsets. The discover association rules not only present important structural features in miRNAs, but also promote a comprehensive understanding of regulatory roles of miRNAs. Chapter 12 presents bioinformatics techniques for protein kinase data management and analysis, kinase pathways and drug targets, and describes their potential application in pharmaceutical industry. Chapter 13 presents a summary of the chapters and give a brief discussion to some emerging issues.