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Autore	Pave Alain
Titolo	Modeling living systems [[electronic resource]] : from cell to ecosystem / / Alain Pave
Pubbl/distr/stampa	London, : ISTE Hoboken, N.J., : Wiley, 2012
ISBN	1-118-56963-6 1-299-19034-0 1-118-56962-8 1-118-56969-5
Descrizione fisica	1 online resource (635 p.)
Collana	Environmental engineering series
Altri autori (Persone)	PaveAlain
Disciplina	570.15118
Soggetti	Ecology - Mathematical models Biology - Mathematical models Electronic books.
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 and index.
Nota di contenuto	Cover; Modeling Living Systems; Title Page; Copyright Page; Table of Contents; Preface; Introduction; Chapter 1. Methodology of Modeling in Biology and Ecology; 1.1. Models and modeling; 1.1.1. Models; 1.1.2. Modeling; 1.2. Mathematical modeling; 1.2.1. Analysis of the biological situation and problem; 1.2.2. Characterization and analysis of the system; 1.2.3. Choice or construction of a model; 1.2.4. Study of the properties of the model; 1.2.5. Identification; 1.2.6. Validation; 1.2.7. Use; 1.2.8. Conclusion; 1.3. Supplements 1.3.1. Differences between a mathematical objectand a mathematical model1.3.2. Different types of objects and formalizationsused in mathematical modeling; 1.3.3. Elements for choosing a mathematical formalism; 1.3.4. Stochastic and deterministic approaches; 1.3.5. Discrete and continuous time; 1.3.6. Biological and physical variables; 1.3.7. The quantitative - qualitative debate; 1.4. Models and modeling in life sciences; 1.4.1. Historical overview; 1.4.2. Modeling in biological disciplines; 1.4.3. Modeling in population biology and ecology; 1.4.4. Actors; 1.4.5. Modeling and informatics

1.4.6. Definition of bioinformatics1.5. A brief history of ecology and the importance of modelsin this discipline; 1.6. Systems: a unifying concept; Chapter 2. Functional Representations: Constructionand Interpretation of Mathematical Models; 2.1. Introduction; 2.2. Box and arrow diagrams: compartmental models; 2.3. Representations based on Forrester diagrams; 2.4. "Chemical-type" representation and multilinear differential models; 2.4.1. General overview of the translation algorithm; 2.4.2. Example of the logistic model; 2.4.3. Saturation phenomena
2.5. Functional representations of models in population dynamics2.5.1. Single population model; 2.5.2. Models with two interacting populations; 2.6. General points on functional representationsand the interpretation of differential models; 2.6.1. General hypotheses; 2.6.2. Interpretation: phenomenological and mechanistic aspects,superficial knowledge and deep knowledge; 2.6.3. Towards a classification of differentialand integro-differential models of population dynamics; 2.7. Conclusion; Chapter 3. Growth Models - PopulationDynamics and Genetics; 3.1. The biological processes of growth
3.2. Experimental data3.2.1. Organism growth data; 3.2.2. Data relating to population growth; 3.3. Models; 3.3.1. Questions and uses of models; 3.3.2. Some examples of classic growth models; 3.4. Growth modeling and functional representations; 3.4.1. Quantitative aspects; 3.4.2. Qualitative aspects: choice and construction of models; 3.4.3. Functional representations and growth models; 3.4.4. Examples of the construction of new models; 3.4.5. Typology of growth models; 3.5. Growth of organisms: some examples; 3.5.1. Individual growth of the European herring gull,Larus argentatus
3.5.2. Individual growth of young muskrats, Ondatra zibethica

Sommario/riassunto

Modeling is now one of the most efficient methodologies in life sciences. From practice to theory, this book develops this approach illustrated by many examples; general concepts and the current state of the art are also presented and discussed.An historical and general introduction informs the reader how mathematics and formal tools are used to solve biological problems at all levels of the organization of life. The core of this book explains how this is done, based on practical examples coming, for the most part, from the author's personal experience. In most cases, data are include

2. Record Nr. UNINA9910275049503321

Autore	Bogai Dieter
Titolo	France-Allemagne. Les défis de l'euro. Des politiques économiques entre traditions nationales et intégration / / Bernd Zielinski, Michel Kauffmann
Pubbl/distr/stampa	Paris, : Presses Sorbonne Nouvelle, 2017
ISBN	2-87854-800-0
Altri autori (Persone)	BrodersenHans DehayEric FlassbeckHeiner HentschelDieter HerzogPhilippe KauffmannMichel PrieweJan SandhövelArnim SchumacherAlois ZettelmeierWerner ZielinskiBernd
Soggetti	Economics History politique économique euro Europe Allemagne
Lingua di pubblicazione	Francese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Sommario/riassunto	L'euro va-t-il générer un véritable fédéralisme européen ? Entre libéralisme anglo-saxon, "capitalisme rhénan" et tradition étatique française, quel visage prendra un modèle économique européen encore à construire ?

3. Record Nr. UNINA9910357835403321

Autore	DiLeo Carleton
Titolo	Clean Ruby : A Guide to Crafting Better Code for Rubyists / / by Carleton DiLeo
Pubbl/distr/stampa	Berkeley, CA : , : Apress : , : Imprint : Apress, , 2019
ISBN	9781484255469 1484255461
Edizione	[1st ed. 2019.]
Descrizione fisica	1 online resource (119 pages)
Disciplina	005.117
Soggetti	Programming languages (Electronic computers) Computer programming Open source software Programming Languages, Compilers, Interpreters Web Development Open Source
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Includes index.
Nota di bibliografia	Includes bibliographical references.
Nota di contenuto	1. The Qualities of Clean Code -- 2. Naming Things -- 3. Creating Quality Methods -- 4. Using Boolean Logic -- 5. Classes -- 6. Refactoring.-7. Test-Driven Development (TDD).-Afterword: Wrapping Up.
Sommario/riassunto	Learn how to make better decisions and write cleaner Ruby code. This book shows you how to avoid messy code that is hard to test and which cripples productivity. Author Carleton DiLeo shares hard-learned lessons gained from years of experience across numerous codebases both large and small. Each chapter covers the topics you need to know to make better decisions and optimize your productivity. Many books will tell you how to do something; this book will tell you why you should do it. Start writing code you love. This book is written for Ruby developers. There is no need to learn a new language or translate concepts to Ruby. You will: Build better classes to help promote code reuse Improve your decision making and make better, smarter choices Identify bad code and fixed it Create quality names for all of your variables, classes, and modules Write better, concise classes Improve

the quality of your methods Properly use modules Clarify your Boolean logic See when and how you refactor Improve your understanding of TDD and write better tests.