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Autore	Lott Steven F.
Titolo	Function Python programming : discover the power of functional programming, generator functions, lazy evaluation, the built-in itertools library, and monads / / Steven F. Lott
Pubbl/distr/stampa	Birmingham ; ; Mumbai : , : Packt, , 2018
Edizione	[Second edition.]
Descrizione fisica	1 online resource (408 pages)
Disciplina	005.117
Soggetti	Python (Computer program language) Application software - Development
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Sommario/riassunto	Create succinct and expressive implementations with functional programming in Python About This Book Learn how to choose between imperative and functional approaches based on expressiveness, clarity, and performance Get familiar with complex concepts such as monads, concurrency, and immutability Apply functional Python to common Exploratory Data Analysis (EDA) programming problems Who This Book Is For This book is for Python developers who would like to perform Functional programming with Python. Python Programming knowledge is assumed. What You Will Learn Use Python's generator functions and generator expressions to work with collections in a non-strict (or lazy) manner Utilize Python library modules including itertools, functools, multiprocessing, and concurrent features to ensure efficient functional programs Use Python strings with object-oriented suffix notation and prefix notation Avoid stateful classes with families of tuples Design and implement decorators to create composite functions Use functions such as max(), min(), map(), filter(), and sorted() Write higher-order functions In Detail If you're a Python developer who wants to discover how to take the power of functional programming (FP) and bring it into your own programs, then this book is essential for you, even if you know next to nothing about the paradigm. Starting with a general overview of

	functional concepts, you'll explore common functional features such as first-class and higher-order functions, pure functions, and more. You'll see how these are accomplished in Python 3.6 to give you the core foundations you'll build upon. After that, you'll discover common functional optimizations for Python to help your apps reach even higher speeds. You'll learn FP concepts such as lazy evaluation using Python's generator functions and expressions. Moving forward, you'll learn to design and implement decorators to create composite functions. You'll also explore data preparation techniques and data exploration in depth, and see how the Python standard library fits the functional programming model. Finally, to top off your journey into the world of functional Python, you'll at look at the PyMonad project and some larger examples to put everything into perspective. Style and approach This book provides a general overview of functional concepts and then delves deeper into the functional features, showing you how the Python standard library fits the functional programming model. It also dem...

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Titolo	Models in spatial analysis / / edited by Lena Sanders
Pubbl/distr/stampa	London ; ; Newport Beach, CA, : ISTE, 2007
ISBN	1-280-84762-X 9786610847624 0-470-39448-X 0-470-61225-8 1-84704-559-6
Descrizione fisica	1 online resource (349 p.)
Collana	ISTE ; ; v.661
Altri autori (Persone)	SandersLena
Disciplina	910.01/5195
Soggetti	Geography - Mathematical models Spatial analysis (Statistics) - Mathematical models Geomatics
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

Models in Spatial Analysis; Table of Contents; Preface; Introduction; Chapter 1. Modeling Concepts Used in Spatial Analysis; 1.1. Introduction; 1.2. Modeling universals; 1.2.1. Logical frames for modeling; 1.2.2. The language of models; 1.2.2.1. Material or physical model languages; 1.2.2.2. The language of images: iconic models; 1.2.2.3. Modeling in mathematical language; 1.3. A few specific features of spatial models; 1.4. Spatial models: a study grid; 1.4.1. Sequencing and explanation; 1.4.2. The group and the individual; 1.4.3. The random and the determined; 1.4.4. Movement and balance 1.5. Conclusion1.6. Bibliography; Chapter 2. Geographical Scales and Multidimensional Statistical Methods; 2.1. Introduction; 2.2. Scaling issues; 2.2.1. The consideration of different geographical levels: two possible approaches; 2.2.2. Formalization of relations between two levels; 2.2.2.1. Nested relations and partition graph; 2.2.2.2. Neighborhood relations and proximity graphs; 2.2.3. Processing of multilevel information; 2.2.3.1. Multilevel structure and attributes; 2.2.3.2. Multidimensional statistical methods; 2.3. Change of levels, change of structures; 2.3.1. Scale and variability
2.3.2. Exploratory analysis of the scale system2.3.2.1. Analysis of aggregated levels or interclass analysis; 2.3.2.2. Transition analysis between two levels or intraclass analysis; 2.3.3. Application of outlying Ouagadougou space to the social and spatial organization; 2.4. Integration of the different levels; 2.4.1. The scale: a set of territorial and spatial references; 2.4.2. The analysis of local differences; 2.4.3. Other local analysis methods; 2.5. Multilevel models; 2.5.1. Contextual effects and regression models; 2.5.2. Multilevel modeling; 2.6. Conclusion; 2.7. Bibliography
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4.1. Introduction: why integrate "time" when we analyze space?4.1.1. The study of spatio-temporal processes; 4.1.2. For a time-integrated geography; 4.2. The foundations of time-geography; 4.2.1. The premises; 4.2.2. A certain vision of the world; 4.3. The conceptual framework of time-geography; 4.3.1. The creation of a "notation system"; 4.3.2. Tools to decrypt daily life; 4.3.2.1. Trajectory, station, project: basic concepts; 4.3.2.2. Different types of constraints; 4.3.2.3. A transversal analysis of the "three worlds"; 4.4. Time-geography in practice
4.4.1. Simulation of individual activity programs: public transport possibilities in the city of Karlstad - an application by Bo Lenntorp

Sommario/riassunto

This title provides a broad overview of the different types of models used in advanced spatial analysis. The models concern spatial organization, location factors and spatial interaction patterns from both static and dynamic perspectives. Each chapter gives a broad overview of the subject, covering both theoretical developments and practical applications. The advantages of an interdisciplinary approach are illustrated in the way that the viewpoint of each of the individual disciplines are brought together when considering questions relevant to spatial analysis. The authors of the chapters

3. Record Nr. UNINA9910143895803321

Titolo	Logic for Programming, Artificial Intelligence, and Reasoning : 9th International Conference, LPAR 2002, Tbilisi, Georgia, October 14-18, 2002 Proceedings / / edited by Matthias Baaz, Andrei Voronkov
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ISBN	3-540-36078-6
Edizione	[1st ed. 2002.]
Descrizione fisica	1 online resource (XIV, 470 p.)
Collana	Lecture Notes in Artificial Intelligence ; ; 2514
Disciplina	006.3
Soggetti	Computers Software engineering Artificial intelligence Computer science Computer logic Theory of Computation Software Engineering/Programming and Operating Systems Artificial Intelligence Computer Science, general Software Engineering Logics and Meanings of Programs
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Bibliographic Level Mode of Issuance: Monograph
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Improving On-Demand Strategy Annotations -- First-Order Logic as a Constraint Programming Language -- Maintenance of Formal Software Developments by Stratified Verification -- A Note on Universal Measures for Weak Implicit Computational Complexity -- Extending Compositional Message Sequence Graphs -- Searching for Invariants Using Temporal Resolution -- Proof Planning for Feature Interactions: A Preliminary Report -- An Extension of BDICTL with Functional Dependencies and Components -- Binding Logic: Proofs and Models -- Directed Automated Theorem Proving -- A Framework for Splitting BDI Agents -- On the Complexity of Disjunction and Explicit Definability Properties in Some Intermediate Logics -- Using BDDs with

Combinations of Theories -- On Expressive Description Logics with Composition of Roles in Number Restrictions -- Query Optimization of Disjunctive Databases with Constraints through Binding Propagation -- A Non-commutative Extension of MELL -- Procedural Semantics for Fuzzy Disjunctive Programs -- Pushdown Specifications -- Theorem Proving with Sequence Variables and Flexible Arity Symbols -- Games, Probability, and the Quantitative ?-Calculus qM? -- Parallelism and Tree Regular Constraints -- Gödel Logics and Cantor-Bendixon Analysis -- A Semantics for Proof Plans with Applications to Interactive Proof Planning -- An Isomorphism between a Fragment of Sequent Calculus and an Extension of Natural Deduction -- Proof Development with ? MEGA: ?2 Is Irrational -- A Local System for Linear Logic -- Investigating Type-Certifying Compilation with Isabelle -- Automating Type Soundness Proofs via Decision Procedures and Guided Reductions -- Abox Satisfiability Reduced to Terminological Reasoning in Expressive Description Logics -- Fuzzy Prolog: A Simple General Implementation Using (R).

Sommario/riassunto

ThisvolumecontainsthepaperspresentedattheNinthInternationalC-ferenceonLogicforProgramming,Arti'cialIntelligence,andReasoning(LPAR 2002),heldonOctober14-18,2002,attheUniversityofTbilisi(Georgia),-getherwiththeThirdInternationalWorkshoponImplementationofLogics. Therewere68submissions,ofwhicheightbelongedtothespecialsubmission categoryofexperimentalpapers,intendedtodescribeimplementationsorc-parisonsofsystems,orexperimentswithsystems. Eachsubmissionwasreviewed byatleastthreeprogramcommitteemembersandanelectronicprogramc-mitteemeetingwasheldviatheInternet. Thenumberofsubmissionsandshort reviewingperiodcausedalargeamountofwork,andweareverygratefultothe other22PCmembersfortheire'ciencyandforthequalityoftheirreviewsand discussions. Finally,thecommitteedecidedtoaccept30papers. Theprogramme alsoincludesthreeinvitedlecturesandapostersession. Apartfromtheprogrammecomittee,wewouldalsoliketothanktheother people who made LPAR 2002 possible: the additional referees, and the local arrangementschairsKhimuriRhukia,KotePhakadze, GelaChankvetadze,and JemalAntidze. TheInternet-basedsubmissionsoftwareandtheprogramcommitteedisc-sionsoftwarewereprovidedbythesecondco-chair. August2002 MatthiasBaaz AndreiVoronkov ConferenceOrganization ProgramChairs MatthiasBaaz(TechnischeUniversit¨atWien) AndreiVoronkov (UniversityofManchester) ProgramCommittee ElviraAlbert (UniversidadPolitecnicadeValencia) FranzBaader (TechnischeUniversit¨atDresden) MauriceBruynooghe (KatholiekeUniversiteitLeuven) PatrickCousot(ENSParis) MaartendeRijke (UniversityofAmsterdam) HaraldGanzinger(Max-PlanckInstitut,Saarbruc ¨ken) JeanGoubault-Larrecq(ENSdeCachan) MikiHermann (EcolePolytechnique) MatejaJamnik(UniversityofCambridge) NeilJones (KøbenhavnsUniversitet) DeepakKapur(UniversityofNewMexico) MaurizioLenzerini(Universit`adiRoma"LaSapienza") GiorgioLevi (Universit`adiPisa) LeonidLibkin(UniversityofToronto) RobertNieuwenhuis(TechnicalUniversityofCatalonia) LeszekPacholski (WroclawskiUniwersytet) MichelParigot(Universit´eParis7) PavelPudlak (MathematicalInstitute,Prague) CarstenSchuermann(YaleUniversity) J¨orgSiekmann(DFKISaarbruc ¨ken) WolfgangThomas(RWTHAachen) MichaelZakharyaschev(King"sCollege) LocalOrganization KhimuriRhukia KotePhakadze GelaChankvetadze JemalAntidze VIII ConferenceOrganization ListofReferees GianlucaAmato CarlosAreces M. Arenas OferArieli RobertoBarbuti ChristophBenzmueller MartaBilkova