1. Record Nr. UNINA9910830700903321

Autore	Harlamov Boris
Titolo	Continuous semi-Markov processes [[electronic resource] /] / Boris Harlamov
Pubbl/distr/stampa	London, : ISTE Hoboken, NJ, : Wiley, 2008
ISBN	1-282-16484-8 9786612164842 0-470-61092-1 0-470-39351-3
Descrizione fisica	1 online resource (377 p.)
Collana	ISTE ; ; v.8
Disciplina	519.2/33 519.233
Soggetti	Markov processes Renewal theory
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	Continuous Semi-Markov Processes; Contents; Introduction; Chapter 1. Stepped Semi-Markov Processes; 1.1. Random sequence; 1.2. Markov chain; 1.3. Two-dimensional Markov chain; 1.4. Semi-Markov process; 1.5. Stationary distributions; Chapter 2. Sequences of First Exit Times and Regeneration Times; 2.1. Basic maps; 2.2. Markov times; 2.3. Deducing sequences; 2.4. Correct exit and continuity; 2.5. Time of regeneration; Chapter 3. General Semi-Markov Processes; 3.1. Definition of a semi-Markov process; 3.2. Transition function of a SM process; 3.3. Operators and SM walk 3.4. Operators and SM process3.5. Criterion of Markov property for SM processes; 3.6. Intervals of constancy; Chapter 4. Construction of Semi-Markov Processes using Semi-Markov Transition Functions; 4.1. Realization of an in nite system of pairs; 4.2. Extension of a measure; 4.3. Construction of a measure; 4.4. Construction of a projective system of measures; 4.5. Semi-Markov processes; Chapter 5. Semi-Markov Processes of Diffusion Type; 5.1. One-dimensional semi-Markov processes of diffusion type; 5.1.1. Differential equation; 5.1.2.

Construction SM process
5.1.3. Some properties of the process5.2. Multi-dimensional processes of diffusion type; 5.2.1. Differential equations of elliptic type; 5.2.2. Neighborhood of arbitrary form; 5.2.3. Neighborhood of spherical form; 5.2.4. Characteristic operator; Chapter 6. Time Change and Semi-Markov Processes; 6.1. Time change and trajectories; 6.2. Intrinsic time and traces; 6.3. Canonical time change; 6.4. Coordination of function and time change; 6.5. Random time changes; 6.6. Additive functionals; 6.7. Distribution of a time run along the trace; 6.8. Random curvilinear integrals
6.9. Characteristic operator and integral6.10. Stochastic integral; 6.10.1. Semi-martingale and martingale; 6.10.2. Stochastic integral; 6.10.3. Ito-Dynkin's formula; Chapter 7. Limit Theorems for Semi-Markov Processes; 7.1. Weak compactness and weak convergence; 7.2. Weak convergence of semi-Markov processes; Chapter 8. Representation of a Semi-Markov Process as a Transformed Markov Process; 8.1. Construction by operator; 8.2. Comparison of processes; 8.3. Construction by parameters of Levy formula; 8.4. Stationary distribution; Chapter 9. Semi-Markov Model of Chromatography
9.1. Chromatography9.2. Model of liquid column chromatography; 9.3. Some monotone Semi-Markov processes; 9.4. Transfer with diffusion; 9.5. Transfer with final absorption; Bibliography; Index

Sommario/riassunto

This title considers the special of random processes known as semi-Markov processes. These possess the Markov property with respect to any intrinsic Markov time such as the first exit time from an open set or a finite iteration of these times.The class of semi-Markov processes includes strong Markov processes, Levy and Smith stepped semi-Markov processes, and some other subclasses. Extensive coverage is devoted to non-Markovian semi-Markov processes with continuous trajectories and, in particular, to semi-Markov diffusion processes. Readers looking to enrich their knowledge on Markov proce

2. Record Nr. UNINA9911020359203321

Autore	Pomerol Jean-Charles
Titolo	Action in Uncertainty : Expertise, Decision and Crisis Management
Pubbl/distr/stampa	Newark : , : John Wiley & Sons, Incorporated, , 2023 ©2023
ISBN	9781394229574 1394229577 9781394229550 1394229550
Edizione	[1st ed.]
Descrizione fisica	1 online resource (175 pages)
Collana	Information systems, web and pervasive computing series
Disciplina	658.4/03
Soggetti	Decision making
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Cover -- Title Page -- Copyright Page -- Contents -- Chapter 1. Born to Act -- 1.1. It's hard not to act -- 1.2. What is the result of the action taken? -- 1.3. To act or not to act -- 1.4. Synopsis -- Chapter 2. Two Kinds of Actions: Immediate or with Reasoning -- 2.1. To depend on us or to not depend on us -- 2.2. Action triggered by recognition -- 2.3. Human decision-making -- 2.4. Reasoning before action -- 2.5. Between recognition and reasoning, learning -- 2.6. Conclusion -- Chapter 3. Anticipation and Planning -- 3.1. A more desirable state of the world -- 3.2. Anticipations -- 3.3. Individual planning -- 3.4. Organizational planning -- 3.5. Conclusion -- Chapter 4. Act Anyway! -- 4.1. Rationality of the action -- 4.2. Dying of hunger or dying of thirst? -- 4.3. Individual obstacles -- 4.4. Organizational barriers to change and action -- 4.5. Speed of action, heuristics and probabilities -- 4.6. Conclusion -- Chapter 5. The Conduct of Action and Leadership -- 5.1. On the implementation of decisions -- 5.2. Teaming up -- 5.3. The leader and leadership -- 5.4. Conclusion -- Chapter 6. Intuition, Expertise and Decision-making -- 6.1. Intuition and "natural decision-making" -- 6.2. Expertise, experts and decision-making -- 6.3. Expertise, environment and uncertainty -- 6.4. Conclusion -- Conclusion -- Index of Proper Names -- Index of Terms -- EULA.

Sommario/riassunto

What choices, strategies or methods need to be implemented so that action is as effective as possible in terms of the objectives to be achieved? We should not delude ourselves about the term "good decision", which does not have much meaning when we act in an uncertain environment and when we know the weakness of forecasts. However, we must know how to act and be capable of taking the most appropriate action. Action in Uncertainty is a real guide to taking effective action when nothing is certain. According to the different types of uncertainty, what are the respective good uses of expertise and intuition? How do we motivate teams and avoid cognitive bias and manipulation? These themes are dealt with in clear and accessible terms to help decision-makers make the right choices in a world that is more uncertain than ever.