1. Record Nr. UNINA9910812393803321

Autore	Wilson J. Holton
Titolo	Regression analysis : understanding and building business and economic models using Excel / / J. Holton Wilson, Barry P. Keating, and Mary Beal
Pubbl/distr/stampa	New York, NY : , : Business Expert Press, , 2012
ISBN	1-283-89499-8 1-60649-435-X
Edizione	[1st ed.]
Descrizione fisica	1 online resource (192 p.)
Collana	The quantitative approaches to decision making collection
Disciplina	650.02855369
Soggetti	Regression analysis
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Includes index.
Nota di contenuto	1. Background issues for regression analysis -- 2. Introduction to regression analysis -- 3. The ordinary least squares (OLS) regression model -- 4. Evaluation of ordinary least squares (OLS) regression models -- 5. Point and interval estimates from a regression model -- 6. Multiple linear regression -- 7. A market share multiple regression model -- 8. Qualitative events and seasonality in multiple regression models -- 9. Nonlinear regression models -- 10. Abercrombie & Fitch Co. regression case study -- 11. The formal ordinary least squares (OLS) regression model -- Appendix. Some statistical background -- Index.
Sommario/riassunto	This book covers essential elements of building and understanding regression models in a business/economic context in an intuitive manner. The technique of regression analysis is used so often in business and economics today that an understanding of its use is necessary for almost everyone engaged in the field. It is especially useful for those engaged in working with numbers - preparing forecasts, budgeting, estimating the effects of business decisions, and any of the forms of analytics that have recently become so useful.

2. Record Nr. UNINA9910254162503321

Autore	Valentini Gabriele
Titolo	Achieving Consensus in Robot Swarms : Design and Analysis of Strategies for the best-of-n Problem / / by Gabriele Valentini
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2017
ISBN	3-319-53609-5
Edizione	[1st ed. 2017.]
Descrizione fisica	1 online resource (XIV, 146 p. 46 illus., 37 illus. in color.)
Collana	Studies in Computational Intelligence, , 1860-949X ; ; 706
Disciplina	006.3824
Soggetti	Computational intelligence Robotics Automation Artificial intelligence Computational Intelligence Robotics and Automation Artificial Intelligence
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references.
Nota di contenuto	Introduction -- Part 1:Background and Methodology -- Discrete Consensus Achievement in Articial Systems -- Modular Design of Strategies for the Best-of-n Problem -- Part 2:Mathematical Modeling and Analysis -- Indirect Modulation of Majority-Based Decisions -- Direct Modulation of Voter-Based Decisions -- Direct Modulation of Majority-Based Decisions -- Part 3:Robot Experiments -- A Robot Experiment in Site Selection -- A Robot Experiment in Collective Perception -- Part 4:Discussion and Annexes -- Conclusions -- Background on Markov Chains.
Sommario/riassunto	This book focuses on the design and analysis of collective decision-making strategies for the best-of-n problem. After providing a formalization of the structure of the best-of-n problem supported by a comprehensive survey of the swarm robotics literature, it introduces the functioning of a collective decision-making strategy and identies a set of mechanisms that are essential for a strategy to solve the best-of-n problem. The best-of-n problem is an abstraction that captures

the frequent requirement of a robot swarm to choose one option from of a nite set when optimizing benets and costs. The book leverages the identication of these mechanisms to develop a modular and model-driven methodology to design collective decision-making strategies and to analyze their performance at different level of abstractions. Lastly, the author provides a series of case studies in which the proposed methodology is used to design different strategies, using robot experiments to show how the designed strategies can be ported to different application scenarios.