Book Reviews/Reseñas Bibliográficas

GAME THEORY. CLASSICAL INTRODUCTION, MATHEMATICAL GAMES AND THE TOURNAMENT

Andrew McEachern (2017)
Synthesis Lectures on games and computational Intelligence, Morgan & Claypool Pub.
ISBN 978-1-68173-158-2/978-1-68173-159-9.   XII+103

The book is divided into 7 main chapters.
The first chapter deals with the Prisoner's Dilemma. The author provides list of web sites where the readers not familiar with probability, decision theory and mathematic analysis may obtain information for following the text. Chapter 2 is concerned with the presentation of Games in extensive forms. The next chapter is concerned with normal form of Games. it extends the games modeling through the use of normal forms Chapter 4 deals with Mixed Strategies and Nash Equilibria of the Two-Players Zero Sum Games. Chapter 5 is devoted to Mathematical Games where are used graphs and other mathematical tools Chapter 6 presents the designing tournaments as games. Chapter 7 presents motivations and future working problems.

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DATA GATHERING, ANALYSIS AND PROTECTION OF PRIVACY THROUGH RANDOMIZED RESPONSE TECHNIQUES: QUALITATIVE AND QUANTITATIVE HUMAN TRAITS

Handbook of Statistics Volume 34
Arijit Chaudhuri, Tasos C. Christofides and C.R. Rao, Editors (2016)
North-Holland
ISBN: 978-0-444-63570-9; ISSN: 0169-7161   XIX+525

This book is concerned with the presentation of 29 contributions where 45 authors were involved. The contributors are well known by their contributions to the theme of randomized responses. The theme is very important in applications of survey sampling. The use of random response (RR) was introduced by Warner (1965). It provides the opportunity of reducing response biases due to dishonest answers to sensitive questioning. Thereof this technique protects the privacy of the respondent by granting that his belonging to a stigmatized group cannot be detected.
The contributions ranged from the historical sketch of the development of RR to new theoretical results and important applications of the techniques. Is remarkable the discussions on the use of it in cryptography, estimation of complex population parameters, regression procedures, estimation in hospitals of the costs of treatments of sensitive diseases, means of two rare sensitive characteristics, imputation methods for scrambled responses as well as in ranked set sampling.

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