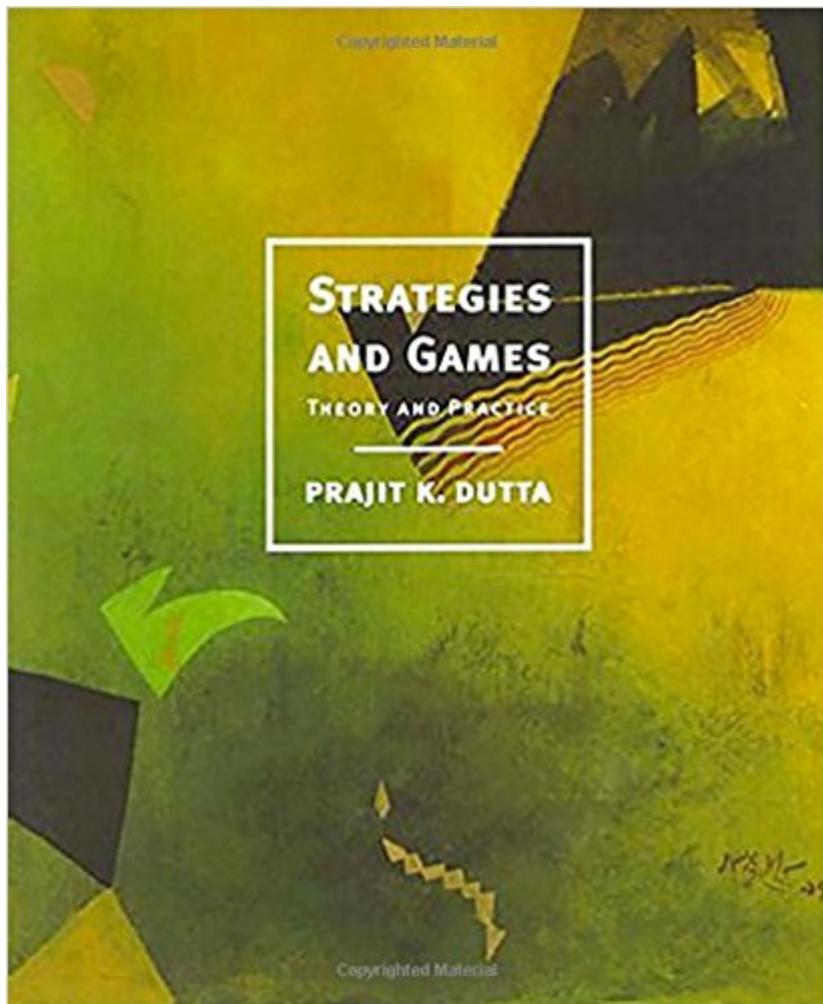


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# Strategies And Games: Theory And Practice



## **Synopsis**

Game theory has become increasingly popular among undergraduate as well as business school students. This text is the first to provide both a complete theoretical treatment of the subject and a variety of real-world applications, primarily in economics, but also in business, political science, and the law. Strategies and Games grew out of Prajit Dutta's experience teaching a course in game theory over the last six years at Columbia University. The book is divided into three parts: Strategic Form Games and Their Applications, Extensive Form Games and Their Applications, and Asymmetric Information Games and Their Applications. The theoretical topics include dominance solutions, Nash equilibrium, backward induction, subgame perfect equilibrium, repeated games, dynamic games, Bayes-Nash equilibrium, mechanism design, auction theory, and signaling. An appendix presents a thorough discussion of single-agent decision theory, as well as the optimization and probability theory required for the course. Every chapter that introduces a new theoretical concept opens with examples and ends with a case study. Case studies include Global Warming and the Internet, Poison Pills, Treasury Bill Auctions, and Final Jeopardy. Each part of the book also contains several chapter-length applications including Bankruptcy Law, the NASDAQ market, OPEC, and the Commons problem. This is also the first text to provide a detailed analysis of dynamic strategic interaction.

## **Book Information**

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## **Customer Reviews**

There is a profusion of game theory texts now available. Prajit Dutta's book is clearly one of the

best. It will be of particular interest to undergraduates with a background in economics, who seek a deeper understanding of how strategy plays a role in competition, particularly dynamic competition. (Eric Maskin, Department of Economics, Harvard University)Professor Dutta strikes an excellent balance between formal development of the fundamental ideas in game theory and interesting economic applications. This book introduces advanced undergraduates and beginning graduate students to the exciting and elegant world of game theory. (Thomas A. Gresik, Department of Economics, The Pennsylvania State University)

Prajit K. Dutta is Professor of Economics at Columbia University.

The book is very well written it is a very good introduction to strategy in the game theory. It explains each function very well. I am still on the third chapter so will update my reviews as I finish the book

Pretty decent book in explaining the concepts. Although the questions are quite weird, some are often almost too easy or too obvious to answer.

I bought this book for an online Game Theory course and its a standard, informative textbook. The examples are explained thoroughly to help you understand the subject, which makes problem solving easier. Although sometimes you may get lost in mathematical notation, I would say its still a good way to learn about the subject matter.

Terrific item

This review is for the kindle edition. My copy does not display all the mathematical operators, at least not on the PC, Mac or iPad versions. The text renders fine but any math is difficult.

I love it! it's very good!!

This book has to have any person who consider himself an intellectual!

I like it.

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