

## Game Theory for Beginners

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ARTICLE INFO	ABSTRACT
<p><b>Article Type:</b> Traditional Review</p> <p><b>Keywords:</b> Theory of Game, Strategic behavior, Game models in health care services area</p> <p><b>Corresponding Author(s)</b> Kenan Birsen</p> <p><b>Adress:</b> Ankara Üniversitesi, Sağlık Yönetimi Bölümü</p> <p><b>E-mail:</b> kenanbirsen@gazi. edu.tr</p>	<p><i>Game Theory, which centers on strategic behavior, tries to explain the interaction between decision makers using mathematical models. The numerical modeling of each benefit return to be obtained in the interaction has made and continues to make high-value contributions to various fields. The aim of this study is to explain Game Theory in the light of the simplicity principle of science and to encourage the use of the theory by providing examples of game models in the field of healthcare. In this direction, comprehensive and strategic games were introduced in general terms, and some of the applications of Game Theory ranging from medical education to ethics, from examination services provided in primary care to mental health and surgical operations were presented. In addition, the obstacles that limit the application success of game models are mentioned. The result of this study supports the idea that, due to the nature of medical interaction, game models cannot always offer precise numerical explanations. However, the contributions of Game Theory in the field of health care are too great to ignore.</i></p>