Game Theoretic Framework For The Golden Rule Of Ethics Static Dynamic Game

The Golden Rule of ethics states that one should treat others as one would like to be treated. This rule has been used to justify a wide range of moral behavior, from altruism to fairness. However, the Golden Rule is often criticized for being too vague and impractical. In this book, we develop a game theoretic framework for the Golden Rule that provides a more precise and rigorous way to understand and apply this ethical principle.

The Game Theoretic Framework

Our game theoretic framework for the Golden Rule is based on the idea of a "reciprocal game." A reciprocal game is a game in which each player's payoff depends on the actions of the other players. In a reciprocal game, the Golden Rule can be interpreted as a strategy that prescribes that each player should choose the action that maximizes the sum of the payoffs of all the players. This strategy is known as the "Nash equilibrium" of the game.

The Berge Equilibrium: A Game-Theoretic Framework for the Golden Rule of Ethics (Static & Dynamic Game Theory: Foundations & Applications) by Nicholas Rescher

★★★★★ 5 out of 5

Language	: English
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The Nash equilibrium is a powerful concept in game theory. It provides a way to predict the outcome of a game, even when the players are not perfectly rational. The Nash equilibrium is also a fair solution to a game, in the sense that no player can improve their payoff by unilaterally changing their strategy.

Applying the Golden Rule

The Golden Rule can be applied to a wide range of ethical problems. In this book, we consider several examples, including:

- The Prisoner's Dilemma

- The Tragedy of the Commons

- The Ultimatum Game

- The Dictator Game

In each of these examples, we show how the Golden Rule can be used to derive a fair and efficient solution. We also show how the Golden Rule can help us to understand the limits of cooperation and the role of self-interest in ethical behavior.

The Golden Rule is a powerful ethical principle that can be used to guide our behavior in a wide range of situations. However, the Golden Rule is often criticized for being too vague and impractical. In this book, we develop a game theoretic framework for the Golden Rule that provides a more precise and rigorous way to understand and apply this ethical principle. We show that the Golden Rule can be used to derive fair and efficient solutions to a wide range of ethical problems. We also show how

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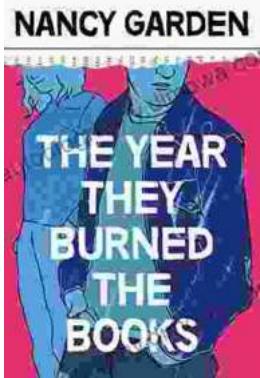
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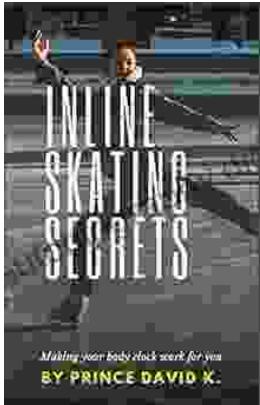File size   : 5867 KB
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