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DEPARTMENT OF ARTIFICIAL INTELLIGENCE AND DATA SCIENCE

Puzzle
QUESTION

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TOPIC:game theory

QUESTIONS

Q: What concept involves players having a preferred outcome that is influenced by the choices of others?

A: Strategy

Q: What term describes a game where players must decide to either cooperate or defect, affecting their overall outcome?

A: Dilemma

Q: What is the term for a situation where players' decisions are interdependent and each player's optimal choice depends on what the others do?

A: Game

Q: In which type of game do players face a choice between working together for a common goal or acting selfishly for personal gain?

A: Cooperative

Q: What do you call the rule that ensures players are making the best decision considering what others will do, often represented in matrix games?

A: Payoff

Q: What term refers to a type of game where the outcome is a direct trade-off, meaning one player's gain is another's loss?

A: Zero-Sum

Q: In which scenario might players face a choice of aligning with or opposing others, affecting the outcome based on collective choices?

A: Coordination

Q: What term describes a strategic interaction where players have to predict and respond to the strategies of others?

A: Prediction

Q: What do we call a game theory situation where players try to avoid a worst-case scenario by making strategic decisions?

A: Chicken

Q: In which classic game theory scenario do players need to balance their choices between mutual benefit and individual advantage?

A: Bargaining