



Game Theory Online

cooperative payoff utility
Bayesian Normal-form auctions
tragedy of the commons
Nash equilibrium class players
predator strategies
zero-sum probability
paradox
repeated
indifferent
minimax
rational
math
action
rigorous theory

Social Choice: Taste

Game Theory Course:
Jackson, Leyton-Brown & Shoham

Voting seems very simple

How hard can this be?



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cooperative payoff utility should increase seeking paradox cooperative equal Bayesian Normal-form auctions repeated tragedy of the commons Nash equilibrium class players predator strategies zero-sum probability random math action

But sometimes things go wrong

In 2000, the US presidential election came down to Florida. George Bush won by 537 votes. But Ralph Nader got 97,421 votes. Twice as many Nader voters would have chosen Gore over Bush.

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 tragedy of the commons
 repeated indifferent
 antitrust oligopoly
 Bertrand Cournot Stackelberg
 Hartmann Klein Shapley
 von Neumann Morgenstern
 Nash Harsanyi Selten
 Schelling Aumann
 Fudenberg Tirole
 Myerson Roth
 Schmeidler Gauthier
 Rawls

A large crowd of people is gathered for a political rally. Many individuals are wearing purple clothing, including hats and scarves. Several purple flags are being held aloft. In the foreground, a man with grey hair is looking towards the right. Behind him, a woman is holding a purple flag. To the right, a man with glasses and dark hair is looking forward. In the background, a large, ornate building is visible. Several signs are being held up, including one that says "FAIR VOTES NOW", another that says "TAKE BACK CONTROL", and a large one that says "REFERENDUM ON FAIR VOTES NOW!". A sign with the number "2" is also visible. The atmosphere appears to be one of a large-scale demonstration or protest.

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