Are you game for Game Theory?


Why Are Our Cities Dirty Even though Everyone Likes It Clean?


Tragedy of Commons The marginal utility gained by an individual against his efforts to achieve common good is low. Such rationality leads to socially disadvantageous outcome

- Consider 2 players, A and B, trying to keep a surrounding clean
- A utility of 50 is achieved by BOTH players for every player that keeps the surrounding clean
- A player incurs a utility of -60 in his efforts to keep surrounding clean
- When both $A$ and $B$ acts in self-interest, it leads to a dirty city while it would have been better off for both if they kept it clean

Do More Roads Always Mean Lesser Traffic Congestion? NO


Adding a high link road as shown increases the overall commute time for the 200 drivers travelling from A-B, as their individually rational choice leads to a socially disadvantageous outcome. This is called the Braess' Paradox

GAME THEORY
the conflicts and cooperation bell
rational and intelligent agents


Both 1 and 2 have same answer Confess is a Dominant Strategy


