CS-234 Technologies for societal self-organization

Week 12

Mechanism design - collaborative mechanisms to be incentive-compatible -Adam Smith,... -Auctions - 2nd price auction -Prediction markets - Growd funding
- Quadratic voting

Crond funding - Kicke starter ...

- Basic idea: proposer advertise project directly

- Basic idea: proposer advertise project directly

- upside: "It works" (at least in some case)

- upside: Small contributions of more representative, more

- upside: Small contributions of more representative, udemocratic -downside outcomes may be low quality
-limited accountability for gramises -money is paid in advance, usually non-refurbable - law inbavidual contributions of low incentive for legal adday - upside: low individual investment (not losing much) limited accountability, bureaucracy/procedure > creativity
- downside: limited by marketing/advertising (perception)

(asymmetric information in markets, lemon maket'
- downside: over-popular > cant keep up
-issues: "ownership!" of results? good or bad for inequality?

Agovernment?

Prediction markets - predict the future, "put money where your mouth is"

- not "gambling": presumes there is "objective troth",

- objective is to discover that truth (prob. of winning)

- community has collective information about this truth

- information sought might be a "public good"

- (gambling: acquably no public good in info)

- upside: worth well: if "thruth" is widespread but doffuse

- down side: accept if the - downside: Nort work if there is no evidence to discover -downside: want work if info is concentrated among few experts
-incentive to collude, deceive public, profit Quadratic voting

- Basic idea: anyone can 'bay' votes (for/against)

- pay the square of # of votes

(ast 1 votes 3 pay 4 (HT vintual)

Cast 2 votes 4 pay 16 - more votes east - more cost/vote
incentive to reveal the true strength of Interest
- rich seem to care more upside: protect monority
- might reward extremism? - not fair legal - risk at 'black market' dealing l'vote buying