

Hiding Picasso's in the Cellar: Sequential Auctions (with Ece Teoman)

We study how a seller can optimally conceal the available quantity to maximize the revenue. We show that introducing any uncertainty increases the expected revenue (compared to the case the quantity available is known with certainty). Then, we find the optimal belief the designer would like the buyers to have. Lastly, we show that the designer cannot improve the revenue in a classical Bayesian persuasion game.

Multi-Agent Hold-Up Problems (with Ece Teoman)

In this paper, we study the problem of revenue-maximization where buyers can first choose how much they want to learn about their valuations. Single-buyer version of this problem has been studied in the literature: There, the buyer optimally balances the costs of knowing too much and too little to be exploited by the seller. However, with multiple buyers, knowing 'less than' the other buyers is itself a disadvantage. We study several selling mechanisms and show that in certain cases, obtaining full information is an equilibrium.

TALKS

<i>European Winter Meeting of the Econometric Society</i>	2021
<i>Delhi Winter School</i>	2021
<i>Midwest Economic Theory Conference</i>	2021
<i>EC (ACM Conference on Economics & Computation)</i> (Poster Presentation)	2021
<i>Stony Brook Game Theory Conference</i> (Poster Presentation)	2021
<i>Pennsylvania Economic Theory Conference</i> (Poster Presentation)	2021
<i>Conference on Mechanism and Institution Design</i>	2020

WORK

EXPERIENCE

<i>Research Assistant, PSU (Vijay Krishna)</i>	Since 2020
<i>Research Assistant, PSU (Nima Haghpanah)</i>	Summer 2019
<i>Research Assistant, PSU (Henrique Roscoe de Oliveira)</i>	Summer 2018
<i>Teaching Assistant, PSU (Principles of Economics, Game Theory)</i>	2016-2021
<i>Teaching Assistant, Bilkent (Intermediate Microeconomics, Game Theory)</i>	2014-2016

REFEREEING

Games & Economic Behavior
International Journal of Game Theory
WINE

SKILLS

Programming Experiences: Python, Matlab and Mathematica.
Languages: English (Fluent), Turkish (Native), Spanish (Intermediate), Italian (Beginner)

REFERENCES

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