



TWEAKING DEMOCRACY: INNOVATIONS IN DEMOCRATIC DECISION MAKING

Logistics

Adrian Haret

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November 8, 2023

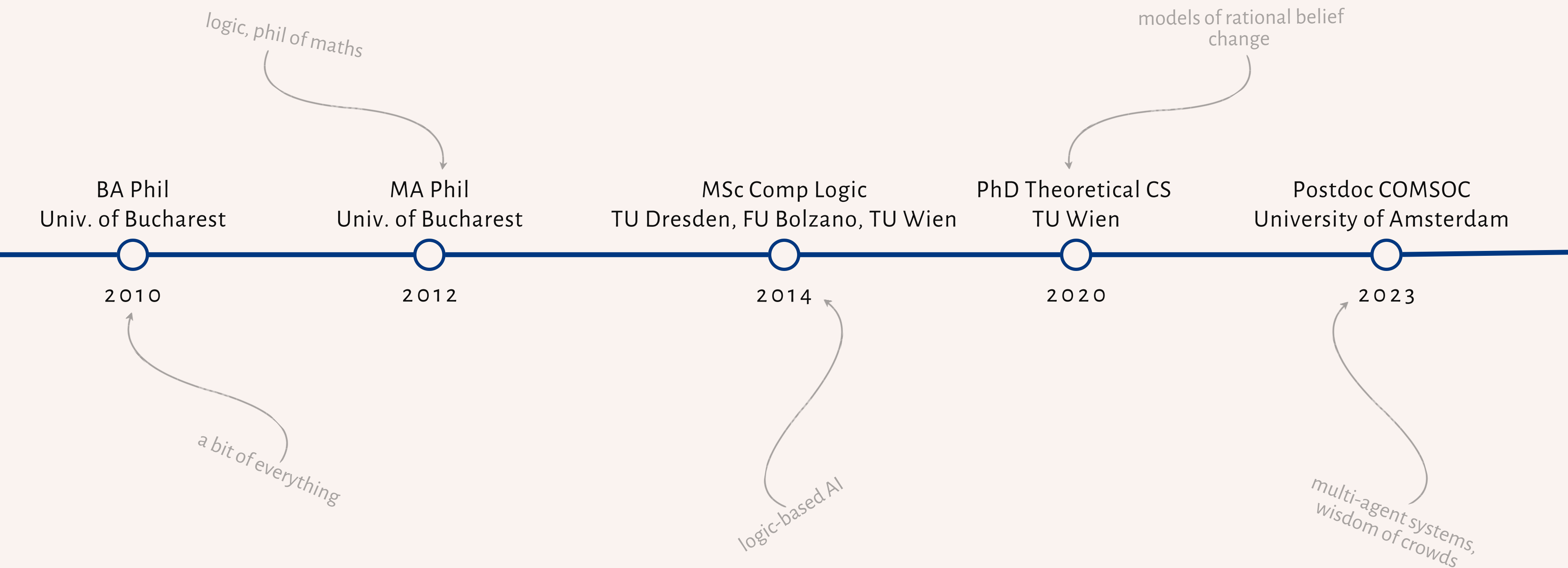
Let's first get to know each other.



ADRIAN HARET

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<https://adrianharet.github.io>



Your turn!

FORMAT

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In-person, on campus,* 2hrs each.

45 mins + 15 mins break (to ask questions, take naps) + 45 mins.

Slides will be posted online after the lectures.**

Adrian starts with spend the first weeks laying out the framework.

This will be followed by discussions on key papers, led by students.

*except November 22, which will be on Zoom

** <https://adrianharet.github.io>

SCHEDULE

One lecture per week

Thursday, 18:00 - 20:00, Room 028 (here!)

FIRST LECTURE

November 8, 2023 (now!)

LAST LECTURE

February 7, 2024


EVALUATION

GRADE

50% class participation

- presenting a paper, leading the discussion

50% final essay

- research on some topic that caught your interest
- can be a review of existing literature, tackling a research question, coding up something (a simulation) and reporting the results
- potential research topics will be flagged during the lectures with the following symbol: 
- there will also be a list on the course website (forthcoming!)
- about half-way through the course, we will have a preliminary discussion on the chosen topic

ETIQUETTE

PERSONAL WORK

Don't plagiarize, etc.

RESPECT TOWARDS PEERS

Please.

QUESTIONS DURING LECTURES

Yes!

Feel free to interrupt and ask.

AIMS

SINK YOUR TEETH INTO THIS FASCINATING TOPIC

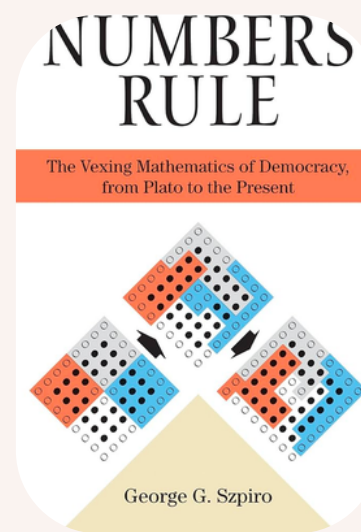
Very interdisciplinary topic, with broad reach.

Won't be able to touch on *all* the work, but (hopefully!) just enough.

FAMILIARITY WITH WAYS TO THINK ABOUT DECISION METHODS

In particular, the final essay should reflect that aim!

POPULAR SCIENCE



GEORGE G. SZPIRO

Numbers Rule. The Vexing Mathematics of Democracy, from Plato to the Present

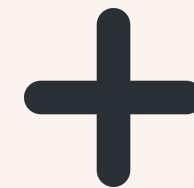
Princeton University Press, 2020



AL ROTH

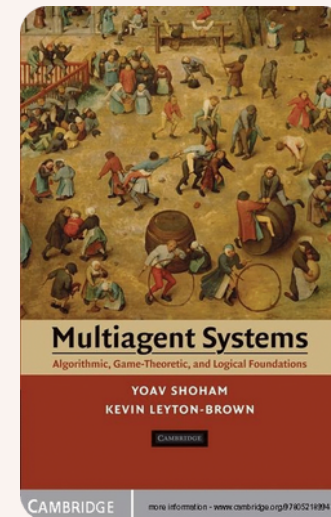
Who Gets What — and Why: The New Economics of Matchmaking and Market Design

Mariner Books, 2016



Slides, papers, videos: stay tuned!

USEFUL TEXTBOOKS

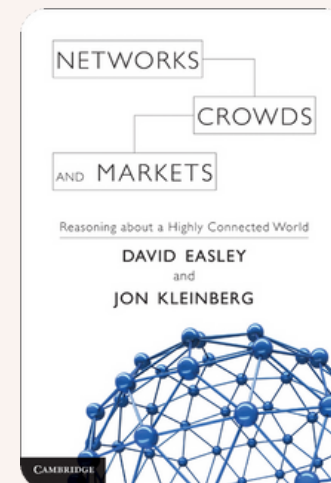


YOAV SHOHAM & KEVIN LEYTON-BROWN

Multiagent Systems: Algorithmic, Game-Theoretic, and Logical Foundations

Cambridge University Press, 2008.

www.masfoundations.org/mas.pdf

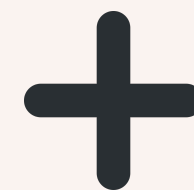


DAVID EASLEY & JON KLEINBERG

Networks, Crowds, and Markets.

Cambridge University Press, 2012

<https://www.cs.cornell.edu/home/kleinber/networks-book/networks-book.pdf>



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TOPICS

VOTING

**APPORTIONMENT, OR THE ART OF ELECTING A
PARLIAMENT**

MATCHING

THE WISDOM OF CROWDS

PARTICIPATORY BUDGETING

LIQUID DEMOCRACY