



APRIL 28, 2025

NETWORKED MINDS: OPINION DYNAMICS AND COLLECTIVE INTELLIGENCE IN SOCIAL NETWORKS

LOGISTICS

Adrian Haret
a.haret@lmu.de

The class is about the *wisdom of crowds*

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The class is about the *wisdom of crowds* in a connected world: how *social networks* influence beliefs, opinions, behaviors.

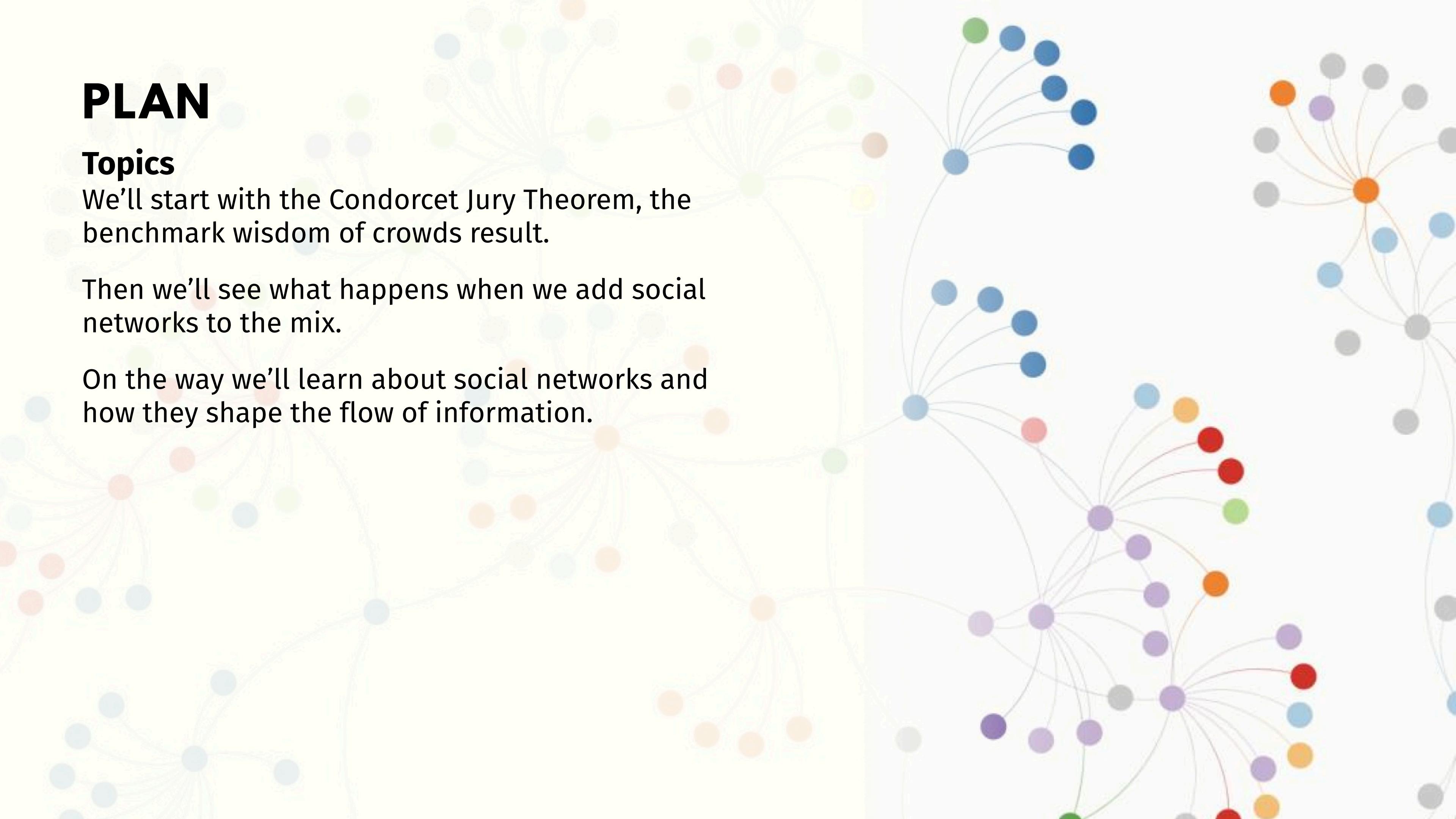
PLAN

Topics

We'll start with the Condorcet Jury Theorem, the benchmark wisdom of crowds result.

Then we'll see what happens when we add social networks to the mix.

On the way we'll learn about social networks and how they shape the flow of information.



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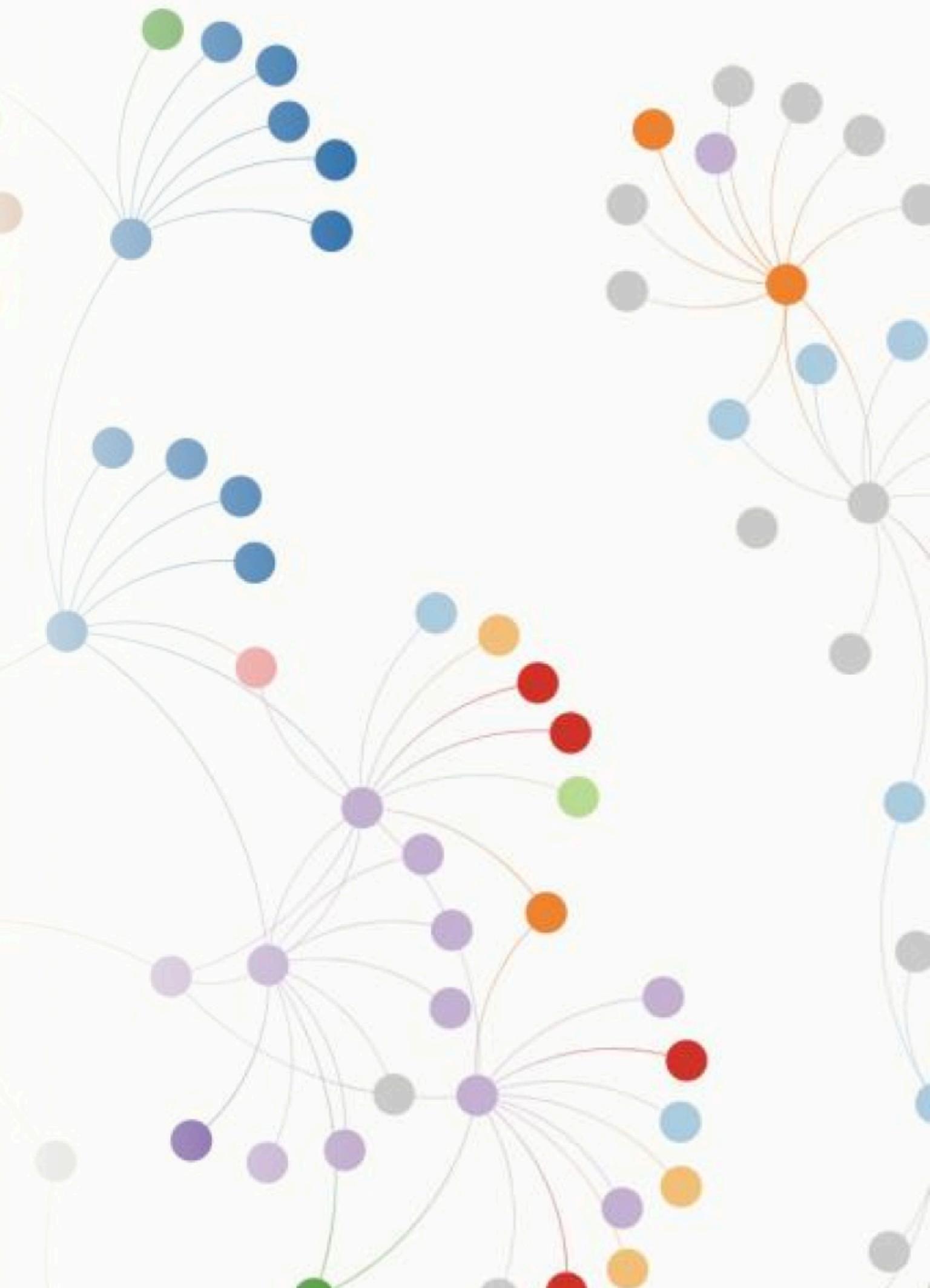
On the way we'll learn about social networks and how they shape the flow of information.

Methods

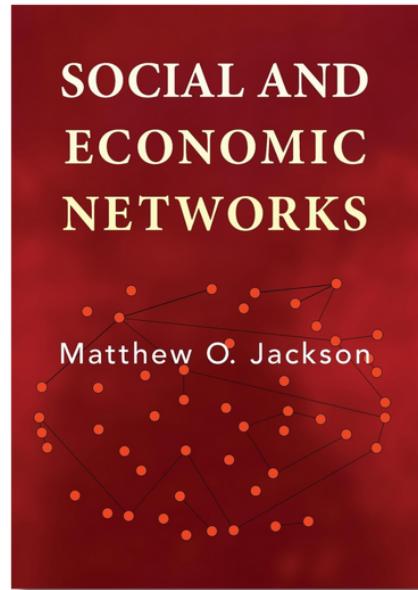
Mix of formal and empirical work.

A bit mathy (sorry!).

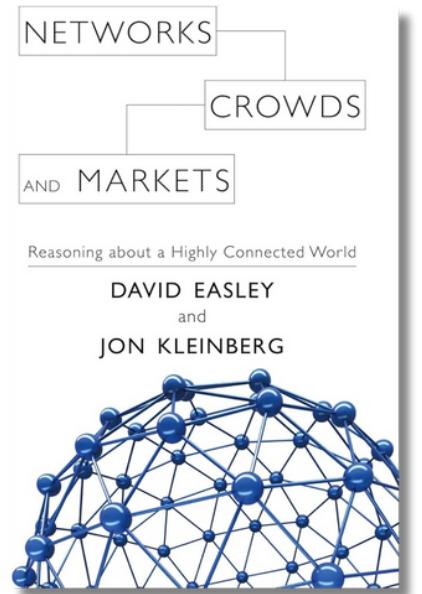
But, in general, the main intuition is what matters.



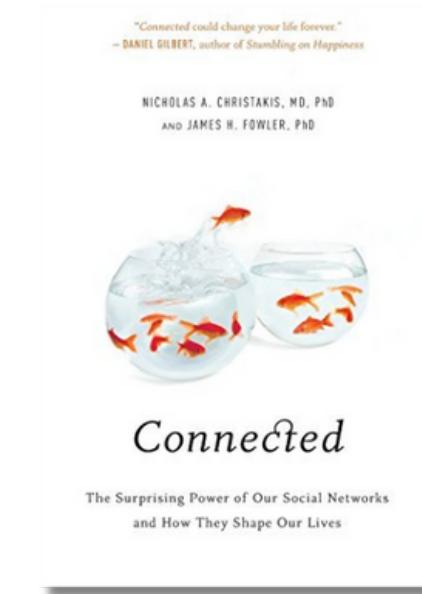
RESOURCES



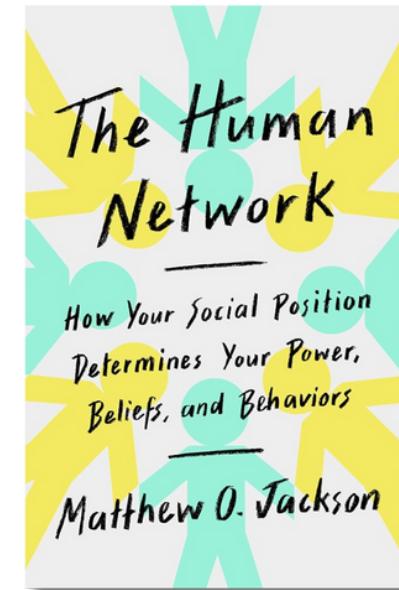
MATTHEW O. JACKSON
Social and Economic Networks
Princeton University Press
2010



DAVID EASLEY & JON KLEINBERG
Networks, Crowds, and Markets:
Reasoning about a Highly
Connected World
Cambridge University Press
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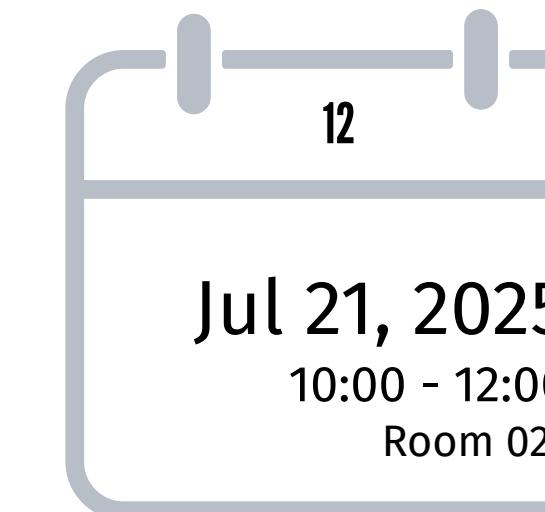
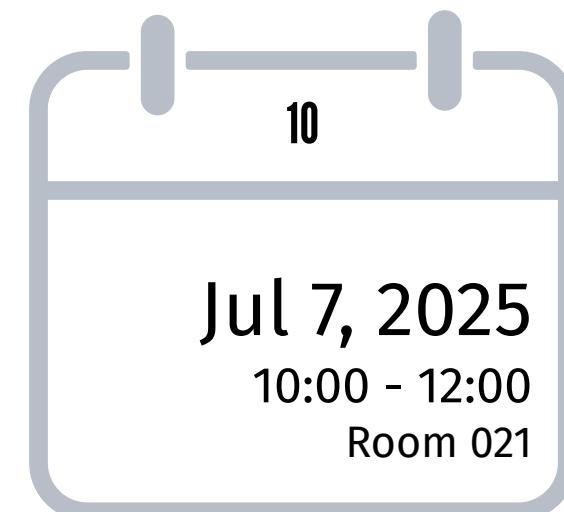
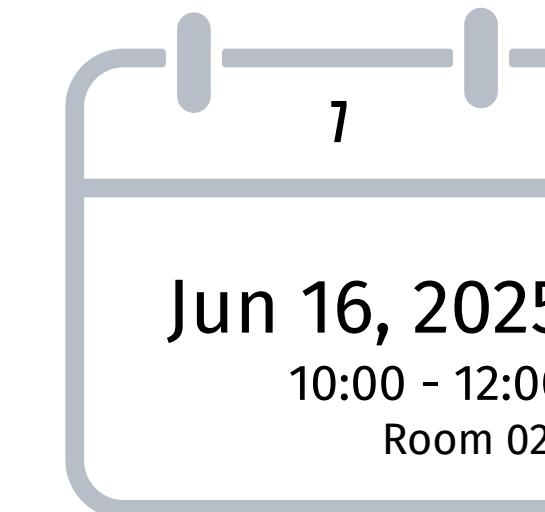
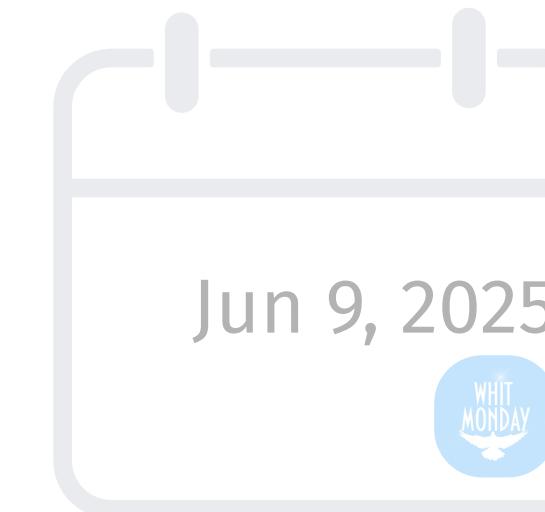
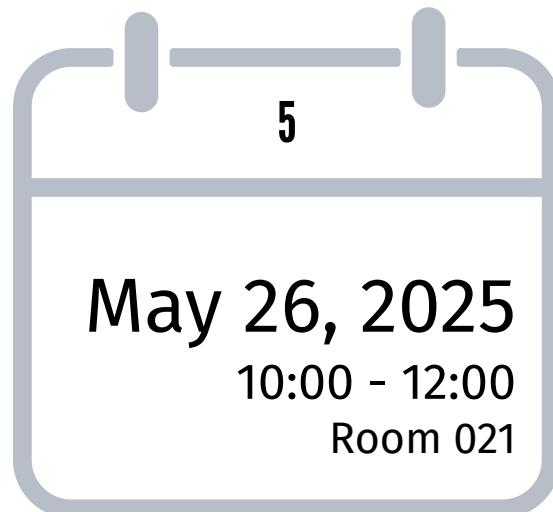
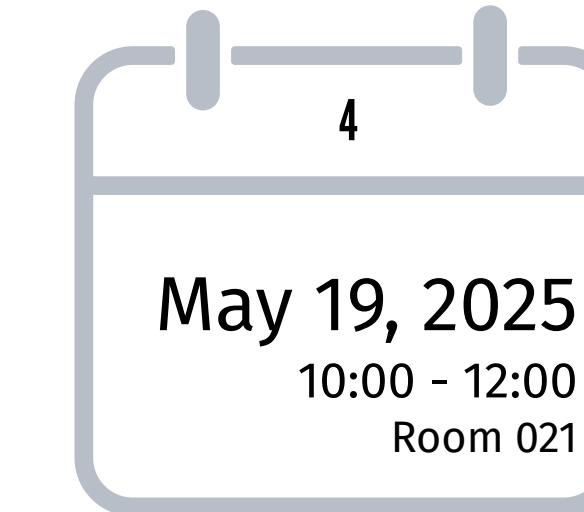
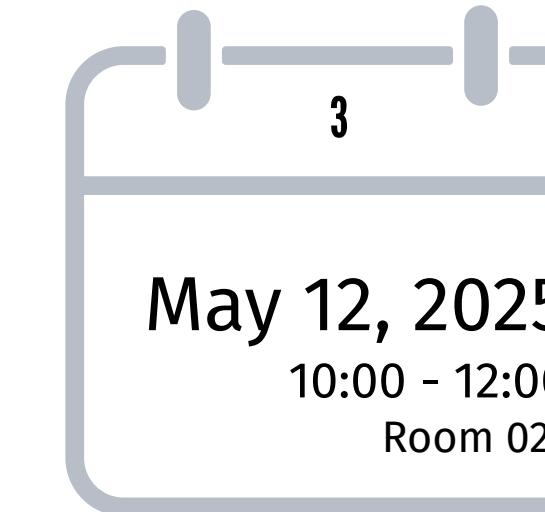
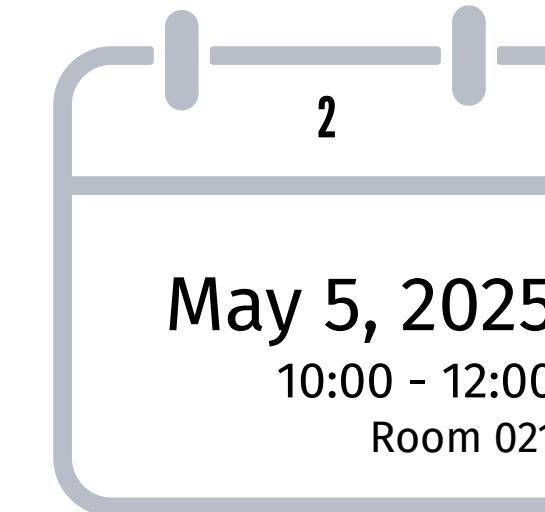
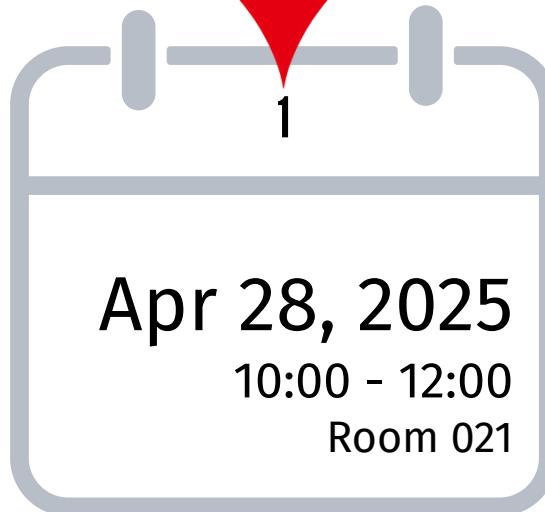
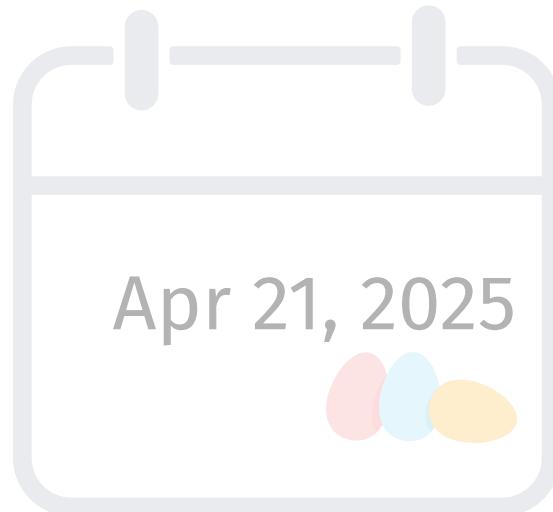
NICHOLAS A. CHRISTAKIS & JAMES H. FOWLER
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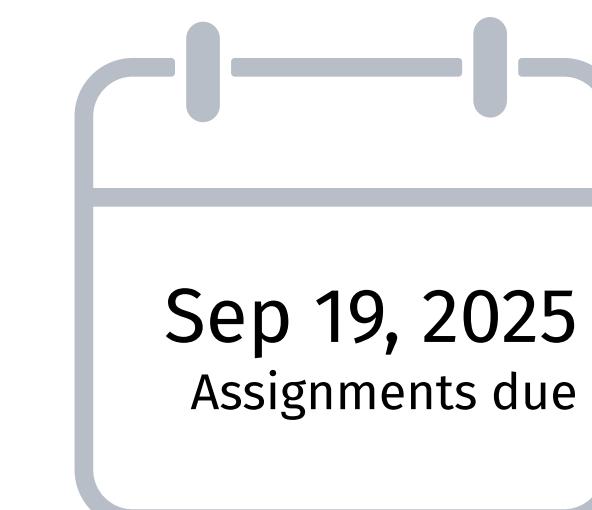
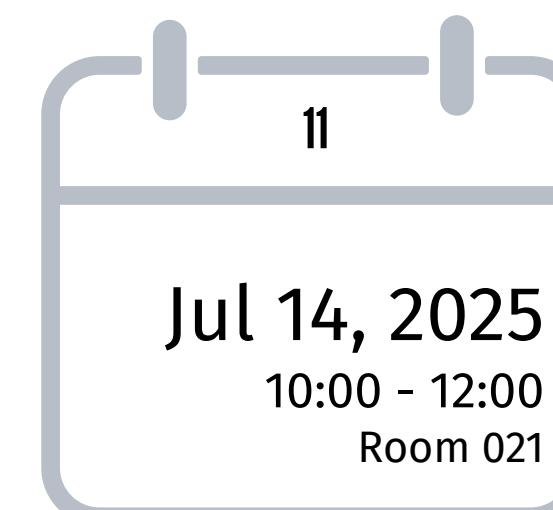
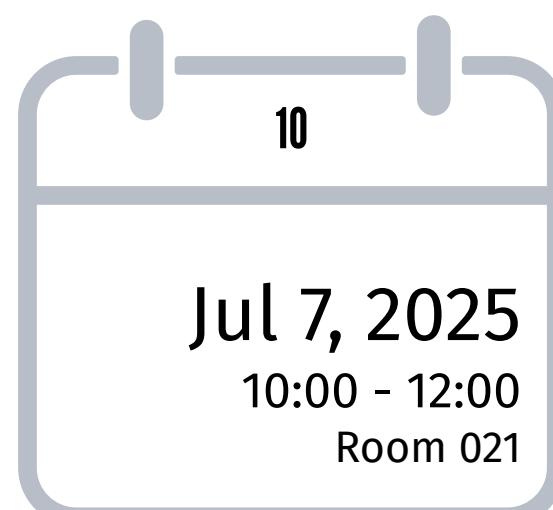
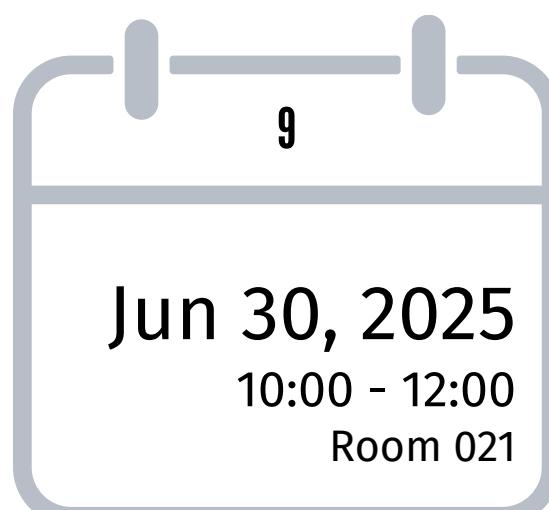
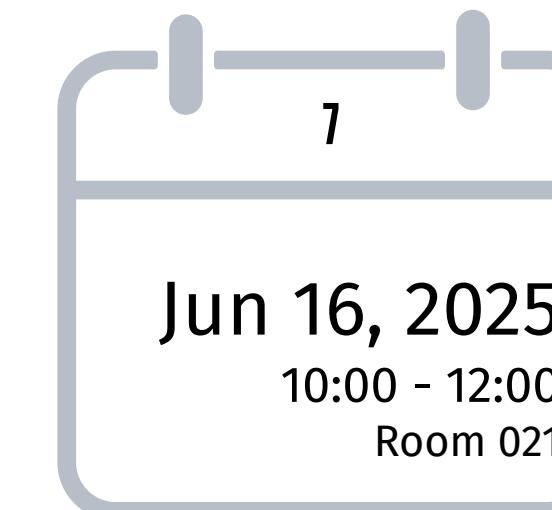
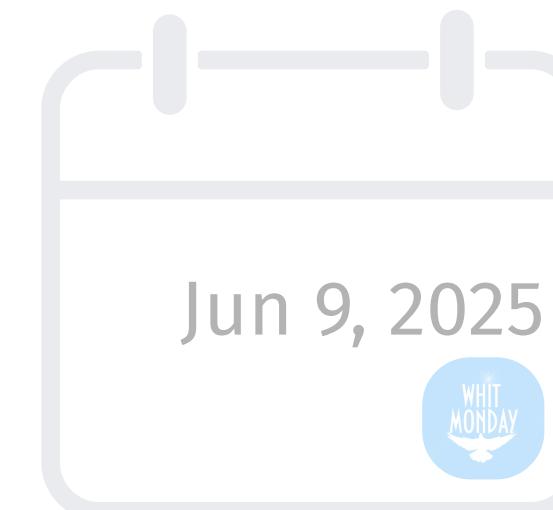
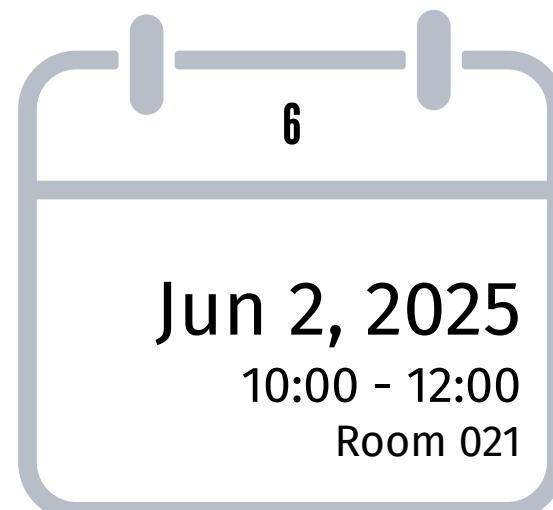
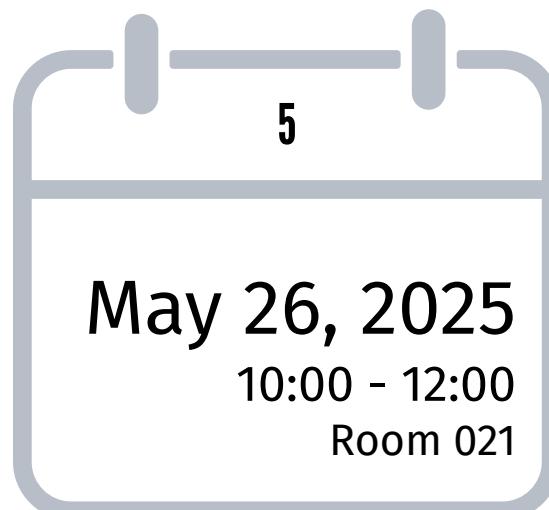
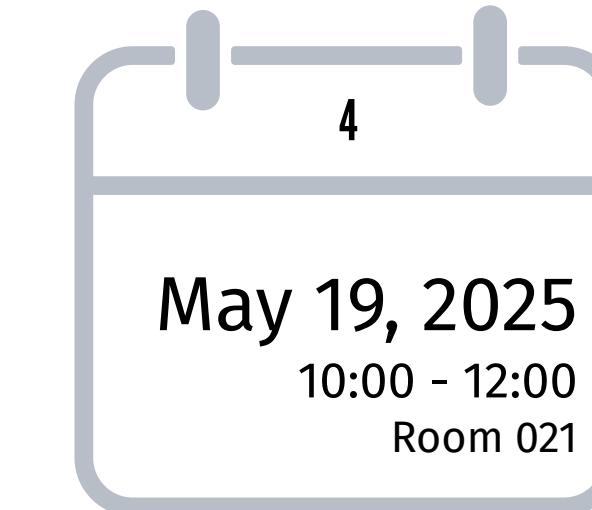
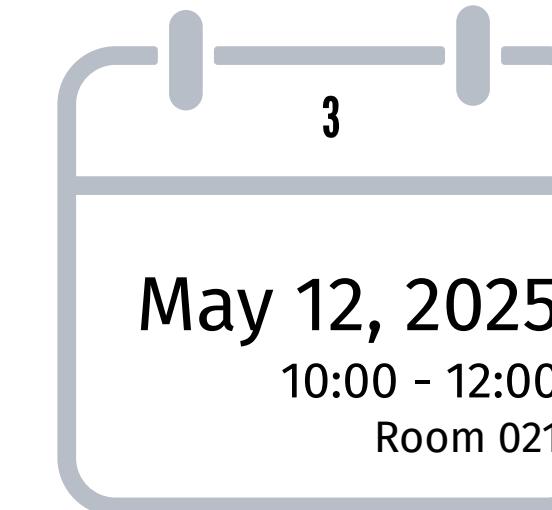
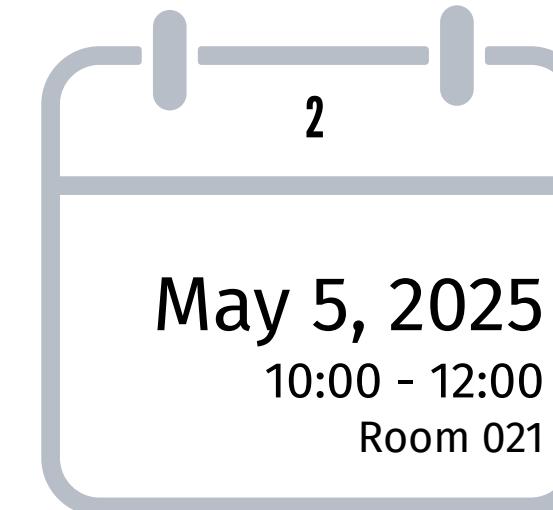
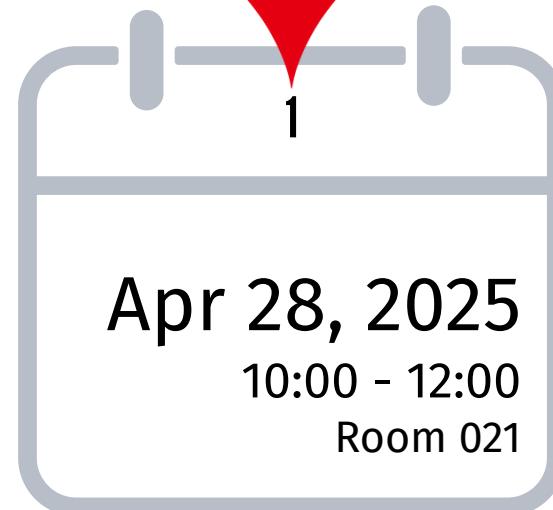
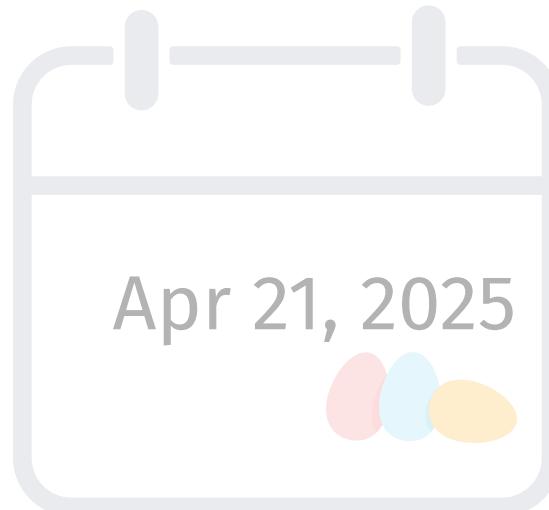
MATTHEW O. JACKSON
The Human Network: How Your
Social Position Determines Your
Power, Beliefs, and Behaviors
Pantheon
2019

...plus papers, videos, podcasts.
Stay tuned!

LECTURES



LECTURES

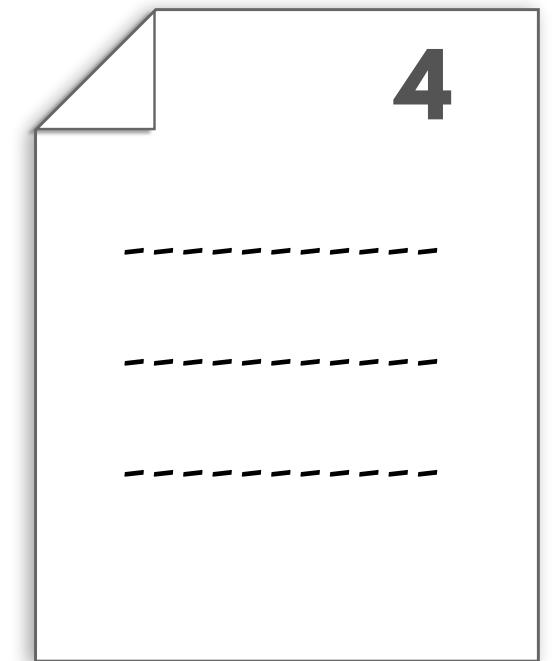
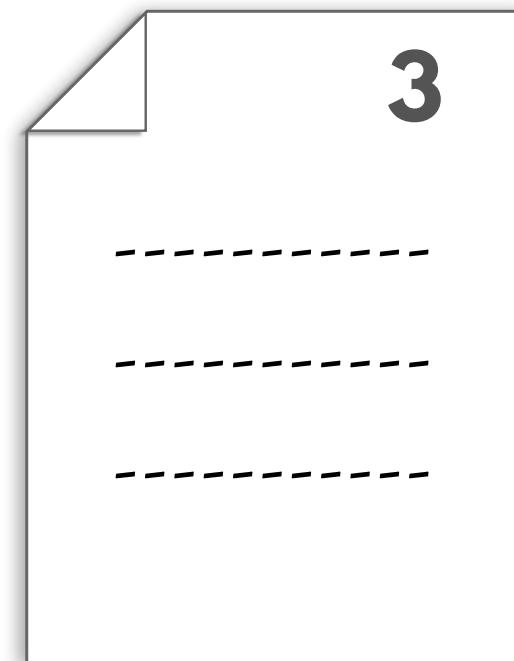
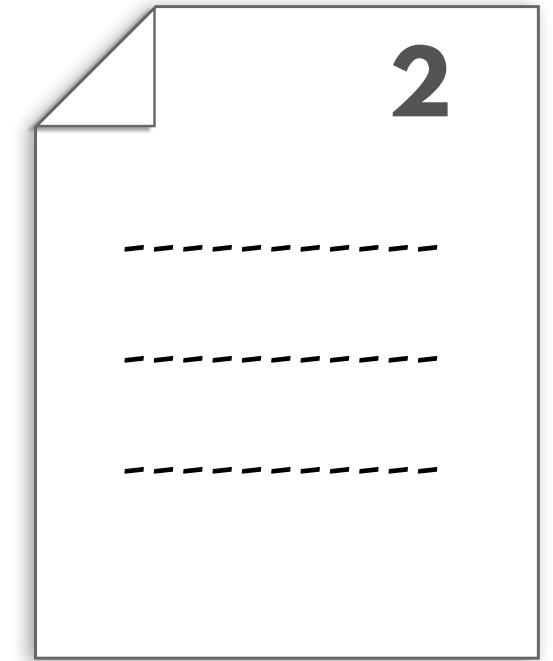
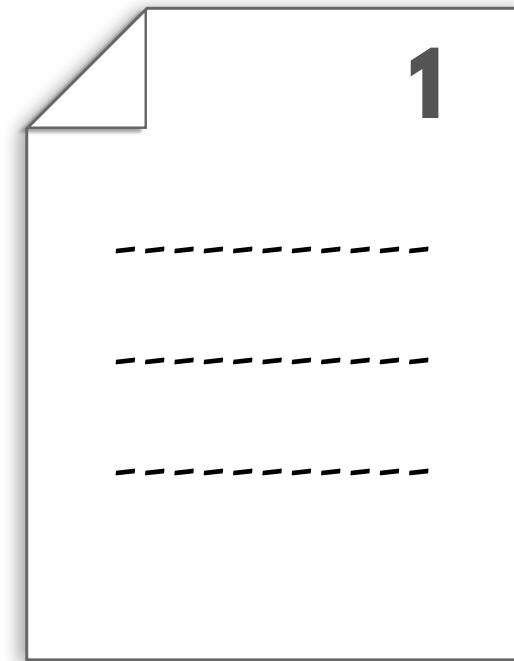


EVALUATION

Four assignments

An assignment is either an:

- essay (~3pp), or
- oral presentation of course material, or
- implementation + report



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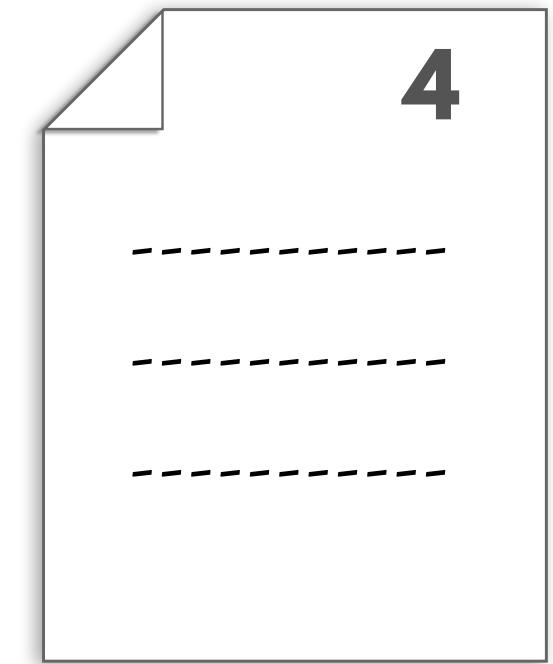
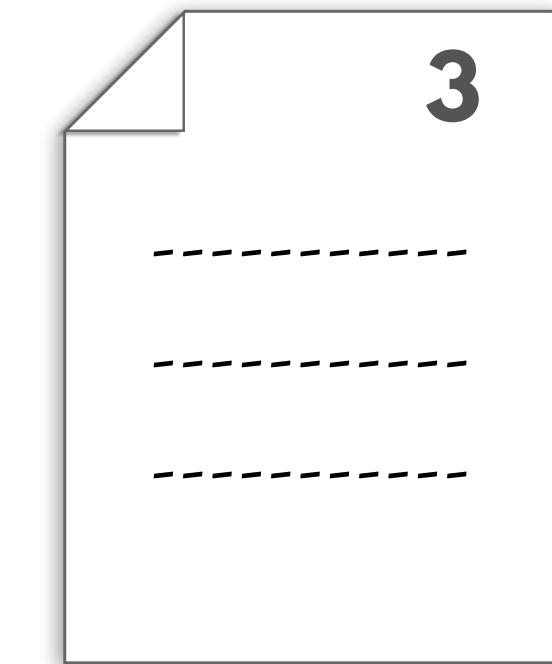
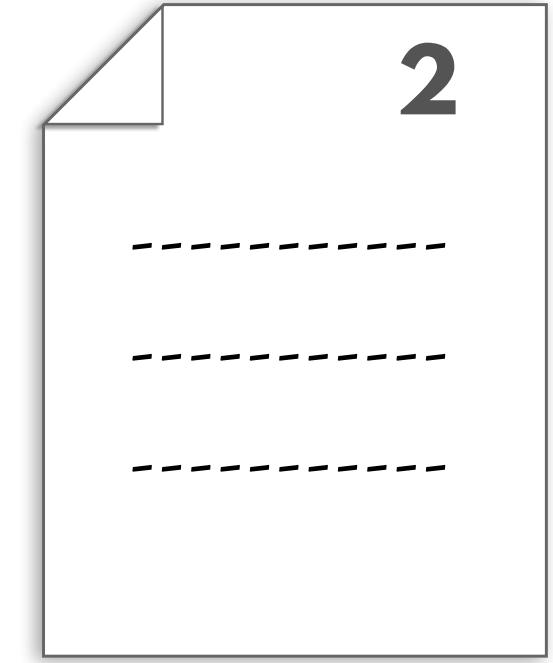
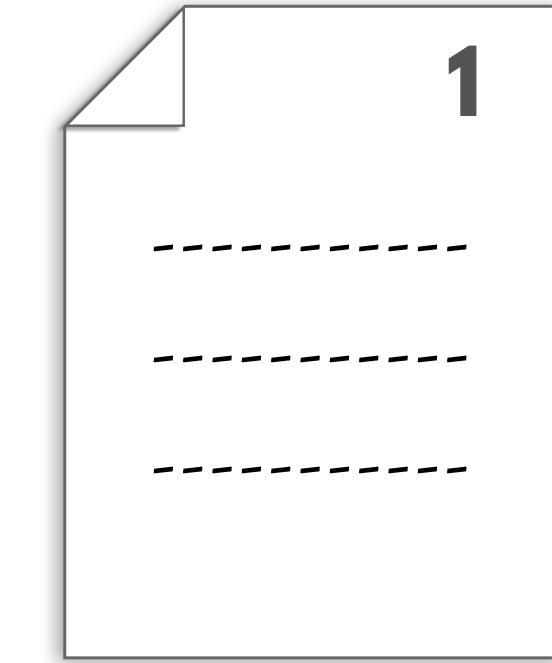
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Essays

Can be:

- review of existing paper
- developing a research idea
- exploring a topic



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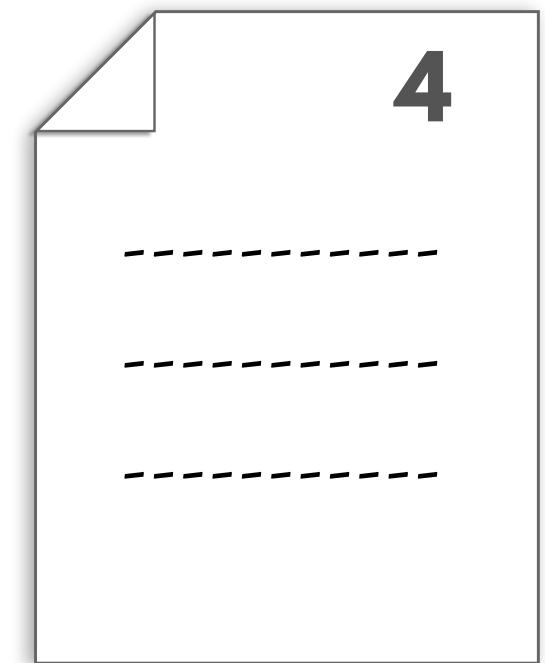
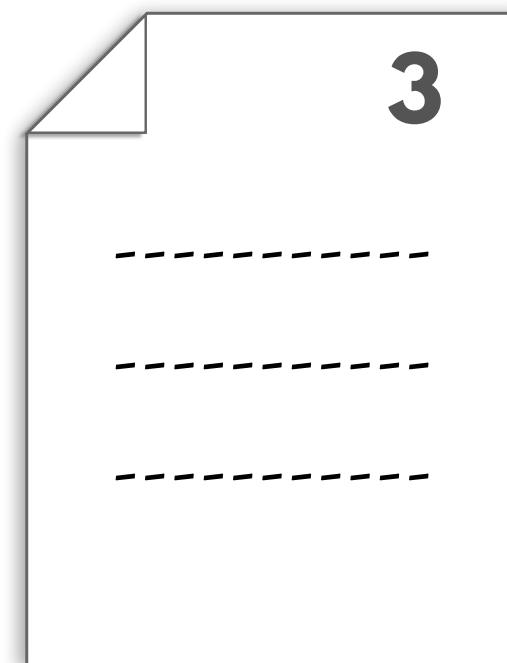
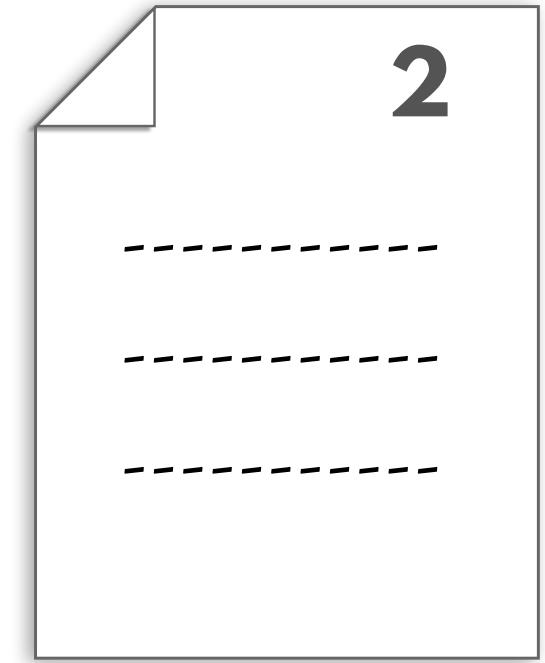
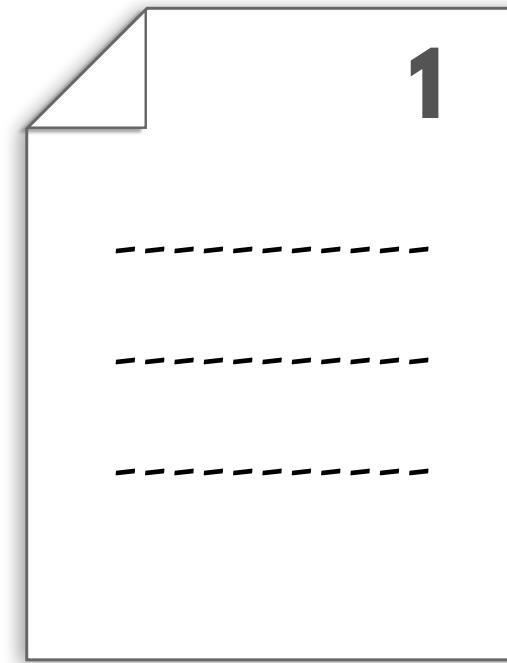
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Note

Assignments can be combined!

E.g., 1 x 6pp essay = 2 x 3pp essay.



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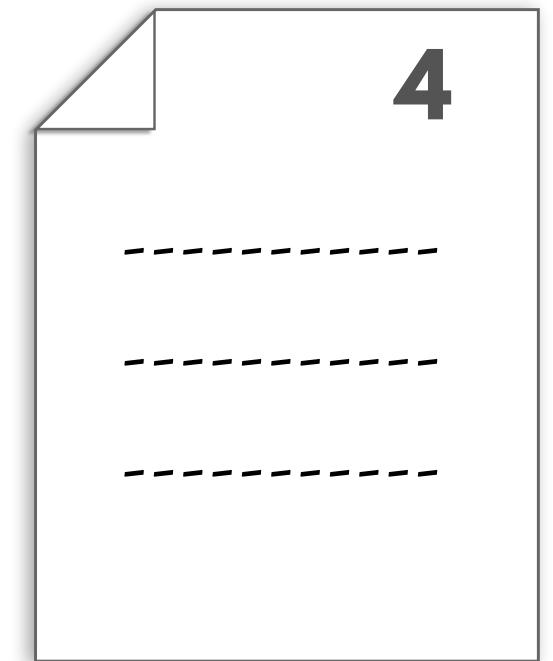
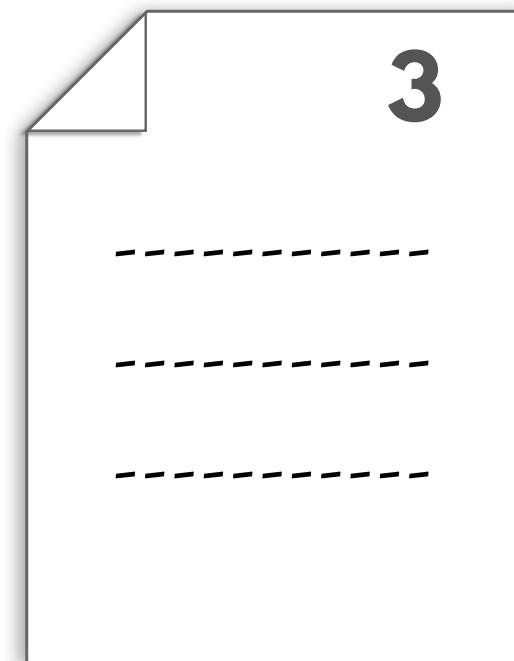
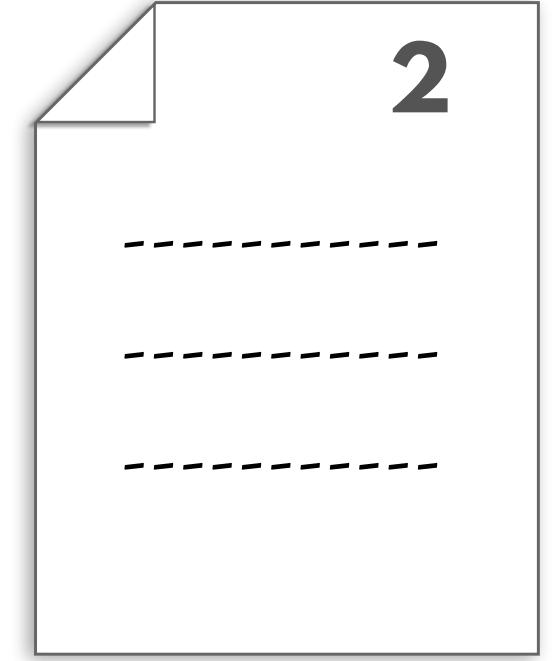
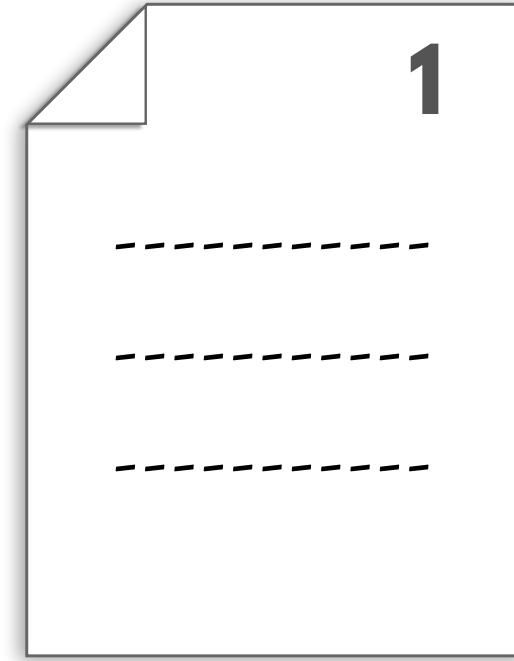
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Deadline

September 19, 2025



ETIQUETTE

Questions

Feel free to interrupt any time.

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Respect towards peers

Please.

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Taking credit

Don't plagiarize (obviously).

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ChatGPT?

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ChatGPT? Sure, but you have to put your own spin on things!

Now let's get to know each other.

ME



ADRIAN HARET

- Assistant Professor
- Chair in Philosophy and Decision Theory
MCMP, LMU Munich
- MCMP, LMU Munich
Ludwigstraße 31, Room 032
80539, München
- a.haret@lmu.de
- <https://adrianharet.github.io>

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ME



Write to me!

ET

sor

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Or drop by
(I'm next door). ET
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Your turn!