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The Cognitive Structure of Legal Institutions

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Law and Mind

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A Survey of Law and the Cognitive Sciences

Searc 🗹 Sea

Information Conten	Subjects: ts Metrics	Law, Law and technology, science, communication, Psychology, Cognition	
	Series:	Law and the Cognitive Sciences	
LAW AND MIND A Survey of Law and the Cognitive Sciences Bartose Brobek, Jap Hage, Nicole A Vincent	Publisher: Online publication date: Print publication year: Online ISBN: DOI:	Cambridge University Press April 2021 2021 9781108623056 https://doi.org/10.1017/9781108623056	
	Get access Edited by Bartosz Brożek, Jagiellonian University, Krakow, Jaap Hage, Universiteit Maastricht, Netherlands, Nicole Vincent, Macquarie University, Sydney		

Roversi, C. (2021). Cognitive Science and the Nature of Law. In Law and Mind. Ed. B. Brożek, J. Hage, N. Vincent, 99– 137. Cambridge: Cambridge University Press.





The Cognitive Structure of Legal Institutions



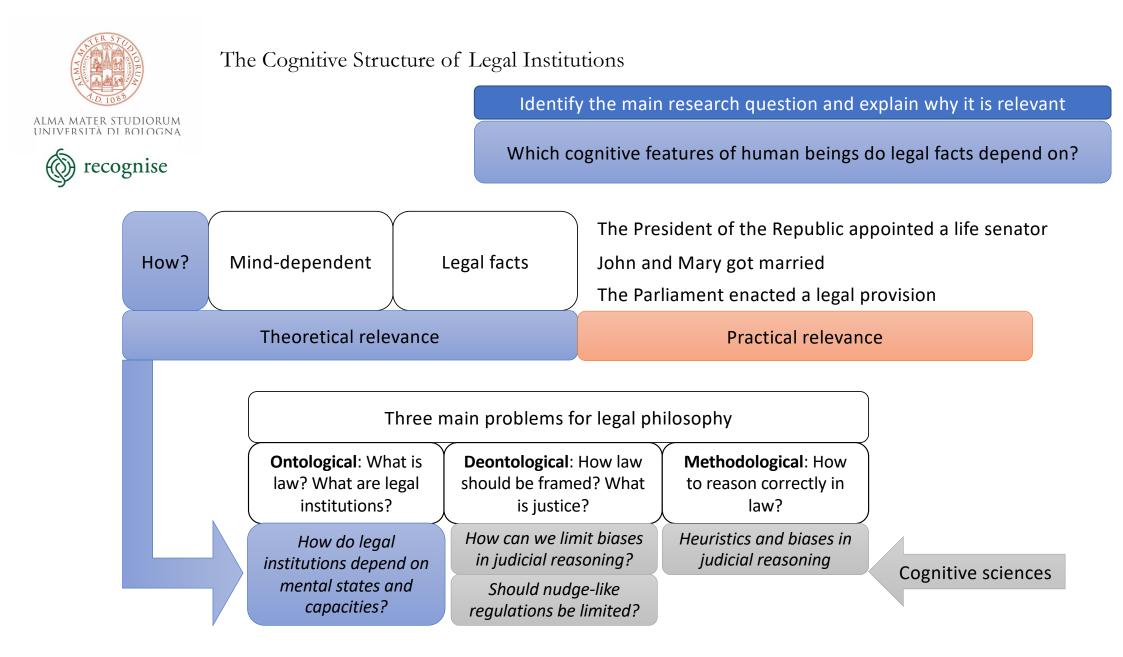
What I am going to do:

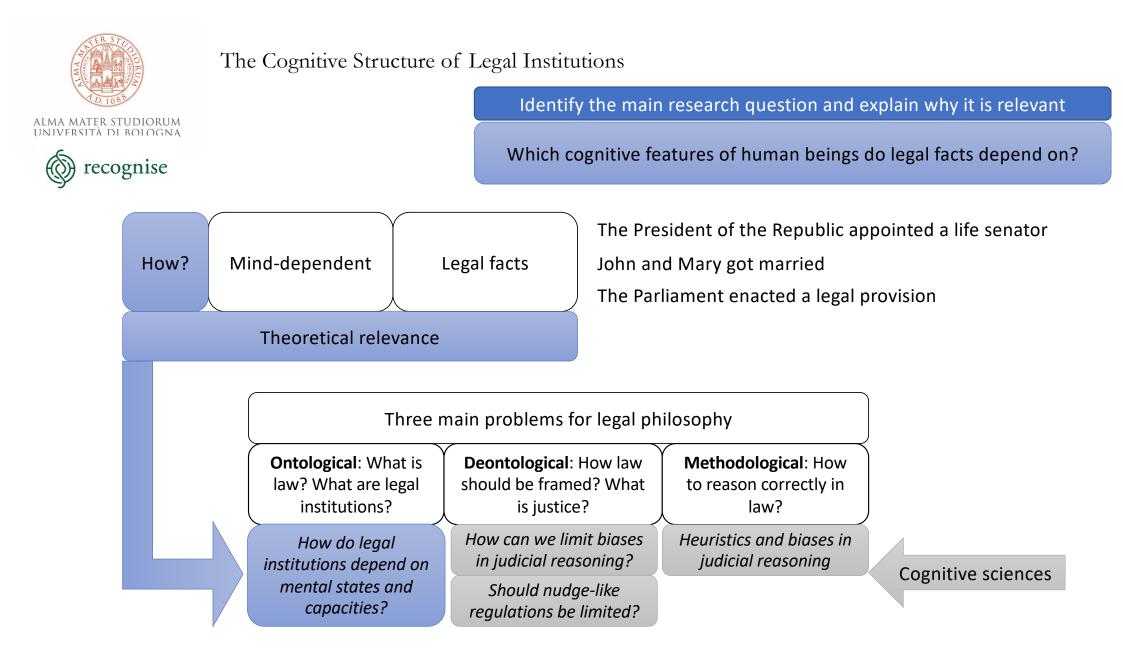
Identify the main research question and explain why it is relevant

Introduce two assumptions that are the starting point to address that question

Propose a possible answer to that question

Present some practical consequences of this research and evaluate a few normative questions connected with them







Identify the main research question and explain why it is relevant

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Which cognitive features of human beings do legal facts depend on?

Introduce two assumptions that are the starting point to address that question

Legal facts are a subset of social-institutional facts

The peculiar element of legal institutions among social institutions is that...

A concept of law is needed here:

... legal institutions give the authority to create and apply formally valid norms, and to enforce them by way of sanctions



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Propose a possible answer to that question

Identify the main research question and explain why it is relevant
Which cognitive features of human beings do legal facts depend on?
Two assumptions:
Legal facts are a subset of social-institutional facts
Authority, punishment, validity

1. Analyzing the structure of social-institutional facts (Social ontology)

- Bratman, M. (1992). Shared Cooperative Activities. *The Philosophical Review* 101, pp. 327–41.
- Epstein, B. (2018). Social Ontology. *The Stanford Encyclopedia of Philosophy*.
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Propose a possible answer to that question

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Authority, punishment, validity

1. Analyzing the structure of social-institutional facts (Social ontology)

The President of the Republic appointed a life senator

John and Mary got married

The Parliament enacted a legal provision

Facts that are made possible by rules

rules constitutive of statuses

X (a person elected under circumstances ...) counts as Status Y (The President of the Republic) which entails Z (the power to appoint life senators...)



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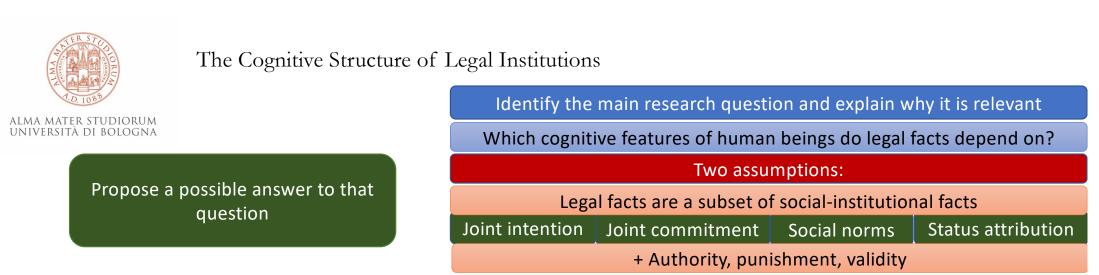
Facts that are made possible by rules

rules constitutive of statuses

collectively accepted

We collectively intend and commit to accept an institution (a set of constitutive rules)

Joint intention Joint commitment Social norms Status attribution



- Dubreuil, B. (2010). *Human Evolution and the Origins of Hierarchies: The State of Nature*. Cambridge: Cambridge University Press.
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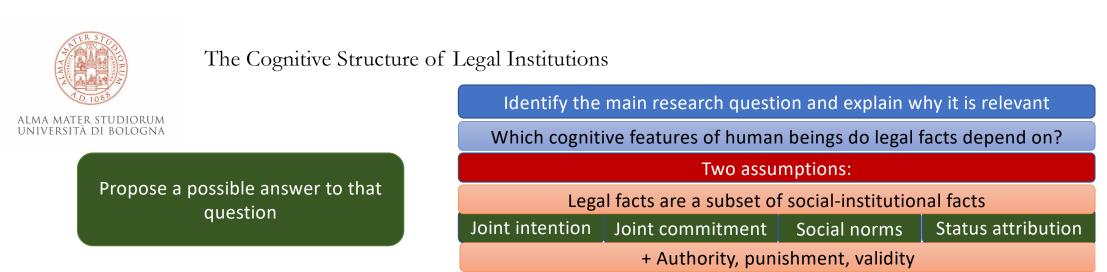


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Propose a possible answer to that question



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2. Finding the cognitive underpinnings for each of these elements

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Kalish, C.W. & Lawson, C.A. (2008). Development of Social Category Representations: Early Appreciation of Roles and Deontic Relations. *Child Development* 79, pp. 577–93.

Noyes, A. & Dunham, Y. (2017). Mutual Intentions as a Causal Framework for Social Groups. *Cognition* 162, pp. 133–42. Noyes, A., Keil, F.C. & Dunham, Y. (2018). The Emerging Causal Understanding of Institutional Objects. *Cognition* 170, pp. 83–7.

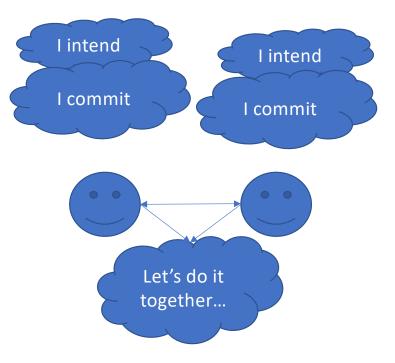
Roversi, C., Borghi, A.M. & Tummolini, L. (2013). A Marriage is an Artefact and Not a Walk that We Take Together: An Experimental Study on the Categorization of Artefacts. *Review of Philosophy and Psychology* 4, pp. 527–42.



ALMA MATER STUDIORUM Università di Bologna Identify the main research question and explain why it is relevant

Which cognitive features of human beings do legal facts depend on?

2. Finding the cognitive underpinnings for each of these elements



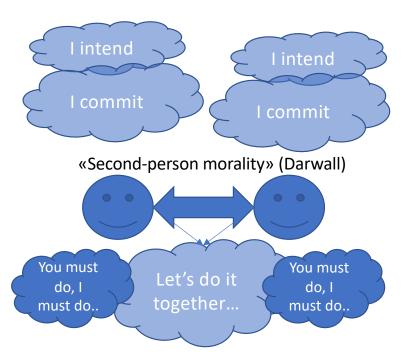
Joint intention Joint commitment



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Joint intention Joint commitment Social norms

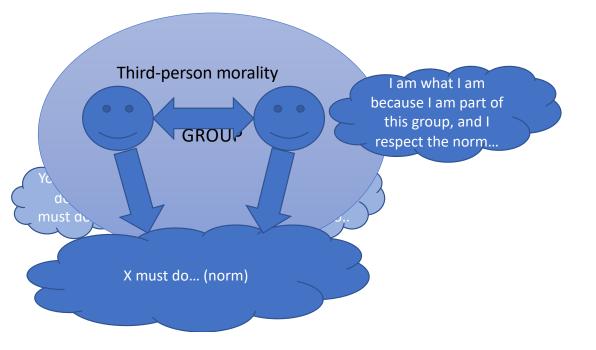


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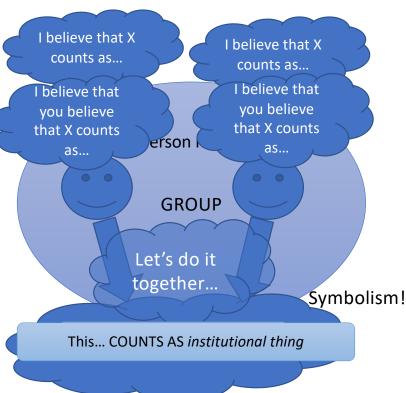




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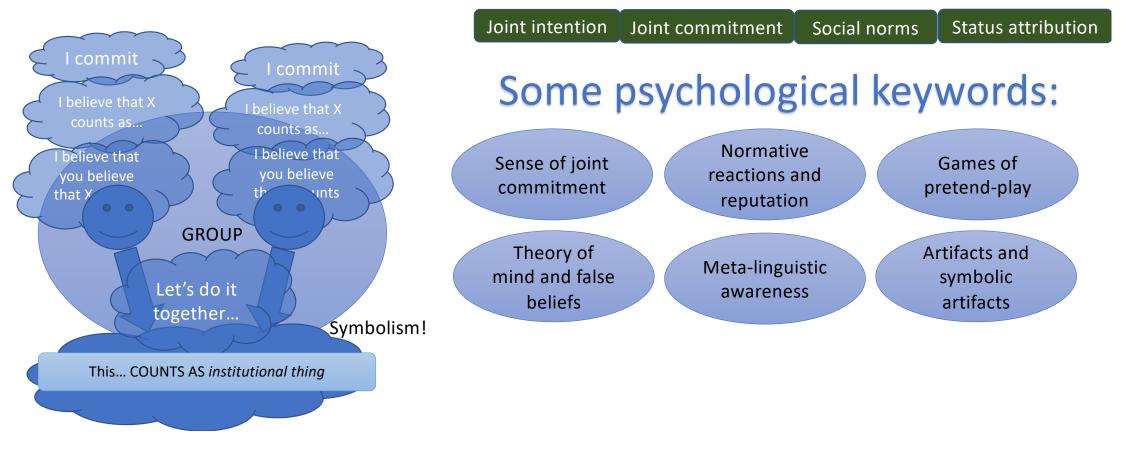
«Mutual beliefs» (Lewis, Lagerspetz, Celano)

Joint intention Joint commitment Social norms Status attribution



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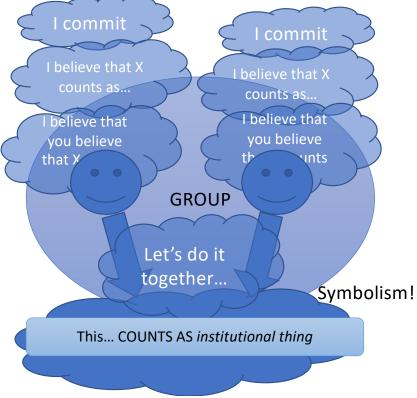
Which cognitive features of human beings do legal facts depend on?





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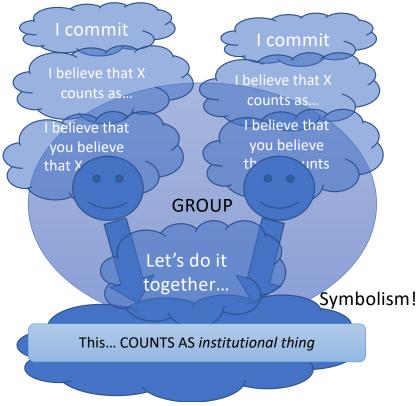


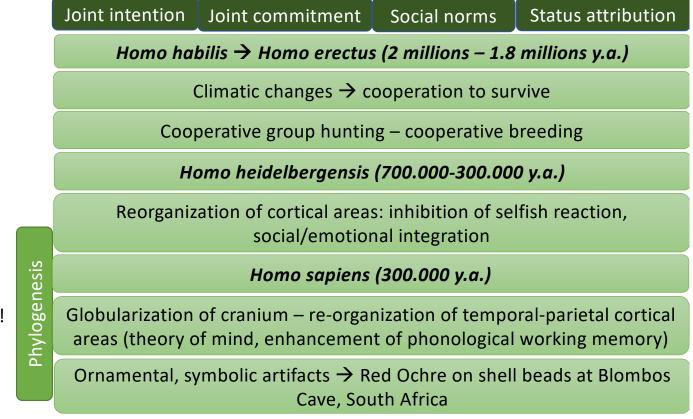
	Joint intention	Joint commitment	Social norms	Status attribution		
sis	Already at the age of 6 months, human children show some capacity to share a goal					
gene	At 2 y.: first «pretend-play» games (let's do it together that X is the Orc)					
Ontogenesis	At 3 years, they help others even if already rewarded; they feel the responsibility to make amends when dropping the game; they react to violations even when not directly affected					
	Since 5 years, explicit reputational concerns (group, normative identity)					
	At 4-5 years, human children develop a full-fledged perspective-taking → an understanding of others' false beliefs Meta-linguistic awareness					
	Inhibition of one's own cognition, different perspectives ove multi-modality of objects. Institutional objects as artif					



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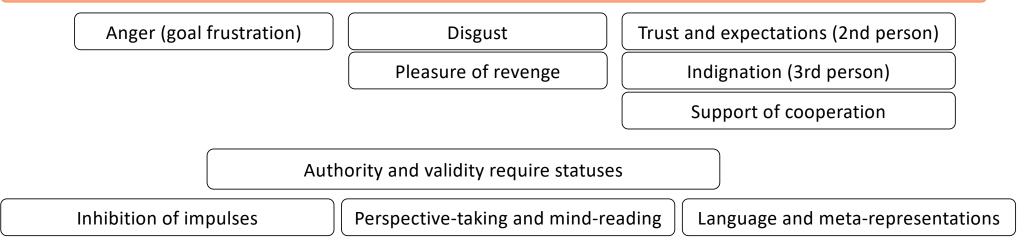
Which cognitive features of human beings do legal facts depend on?

2. Finding the cognitive underpinnings for each of these elements

Three theses:

Joint intention Joint commitment Social norms Status attribution + Authority, punishment, validity

1. The cognitive roots of punishment are more ancient than the ones of authority and validity





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Joint intention Joint commitment Social norms Status attribution + Authority, punishment, validity

1. The cognitive roots of punishment are more ancient than the ones of authority and validity

2. The cognitive roots of authority are connected with the idea of a justification in terms of groups and their goals

Milgram, S. (1974). Obedience to Authority: An Experimental View. London: Harper and Row.

Haney, C., Banks, C. & Zimbardo, P.G. (1973a). Interpersonal dynamics in a simulated prison.
International Journal of Criminology and Penology 1, pp. 69–97.
Haney, C., Banks, C. & Zimbardo, P.G. (1973b). Naval Research Reviews: A Study of Prisoners and Guards in a Simulated Prison. Washington, DC: Office of Naval Research.



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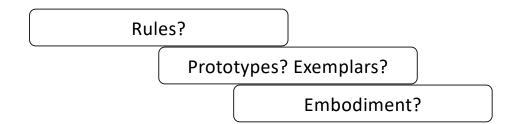
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1. The cognitive roots of punishment are more ancient than the ones of authority and validity

2. The cognitive roots of authority are connected with the idea of a justification in terms of groups and their goals

2. The cognitive roots of validity are connected with categorization



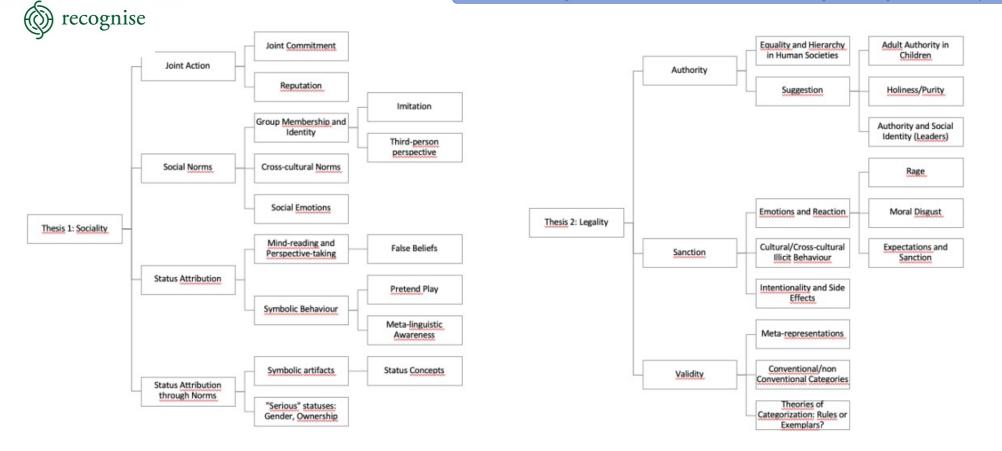
Is this a cat? Is this valid law?

Is this a valid contract?



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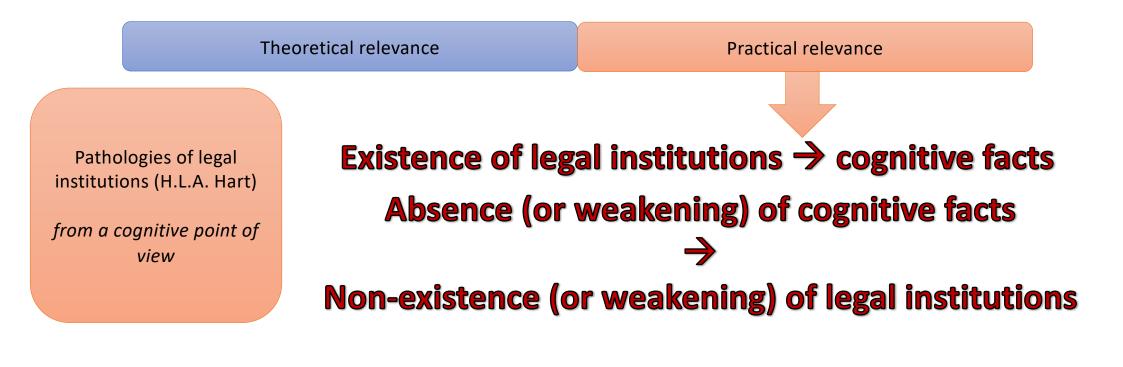






The Cognitive Structure of Legal Institutions

Present some practical consequences of this research and evaluate a few normative questions connected with them







Pathologies of legal institutions (H.L.A. Hart)

from a cognitive point of view

The Cognitive Structure of Legal Institutions

What happens if we reduce the general sense of social commitment by nurturing an individualistic illusion of self-sufficiency and solipsism?

> What happens if we completely detach punishment from revenge?

What happens if we demistify legal and political rituals as a kind of «bureaucracy»?

What happens if we are «bureaucrats» in the sense of not making explicit the connection between procedures and group goals?

Existence of legal institutions \rightarrow cognitive facts Absence (or weakening) of cognitive facts \rightarrow

Non-existence (or weakening) of legal institutions



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Rule of law

Existence and supremacy of legal institutions

Pathologies of legal institutions (H.L.A. Hart)

from a cognitive point of view

Existence of legal institutions → cognitive facts Absence (or weakening) of cognitive facts → Non-existence (or weakening) of legal institutions



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The Cognitive Structure of Legal Institutions

Should we avoid reducing the general sense of social commitment by nurturing an individualistic illusion of self-sufficiency and solipsism? Rule of law

Should we avoid detaching completely punishment from revenge?

Should we avoid demistifying legal and political rituals as a kind of «bureaucracy»?

Should we make explicit the connection between procedures and group goals?

Pathologies of legal institutions (H.L.A. Hart)

Existence and supremacy

of legal institutions

from a cognitive point of view

Existence of legal institutions \rightarrow cognitive facts **Absence (or weakening) of cognitive facts Non-existence (or weakening) of legal institutions**





Thank you!

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