

Regulation & Governance

Call for Papers for a Special Issue on

Rules as Data.

How to gauge rules' content to shed light on its implications

Submissions on a rolling basis until November 30, 2022

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Motivation

The long-honored neo-institutionalist tenet that 'rules matter' lies at the heart of a wide variety of research streams. Among many others, it has shaped hypotheses on regulation (e.g., Bazzan 2021, Thomann and Zhelyazkova 2017, Hanretty and Koop 2012, Jordana et al. 2011, Maggetti 2007), governance modes and regimes (e.g., Mizrahi-Borohovich and Levi-Faur 2020, Vogel 2018, Levi-Faur 2011, Jochim and May 2010), policy paradigms and instruments (e.g., Atkinson and Schubert 2021, Franchino 2020, Schaffrin et al. 2015, Rangone 2015, Damonte 2014, Lascoumes and Le Galès 2007), institutional design and democracy (e.g., Schlager et al. 2021, Siddiki 2020, Levi-Faur et al. 2018, Scott 2001, Schneider and Ingram 1997), and on phenomena such as diffusion and learning (e.g., Gilardi, Shipan, and Wüest 2021), implementation (e.g., Thomann 2018, May 1993), policy change (e.g., Hurka et al. 2016, Knill et al. 2012, Liefferink et al. 2009), conflict and compliance (e.g., Chen et al. 2022, van Rooij and Sokol 2021, Siddiki et al. 2018).

However, the empirical rendering of these many hypotheses largely depends on how rules are gauged. Indeed, gauging is vital to solid conceptualizations, broader comparisons, and accurate diagnoses of shortcomings (e.g., Short et al. 2021, Hirshl 2014, Voigt 2013, Coglianesi 2002). Vice-versa, imprecise gauges can impart unexpected twists to analyses that undermine the credibility of findings and evaluations.

Background

The consolidated approaches to gauging rules can be reduced to two primary options, ideally corresponding to separate research interests in *de facto* rules ‘in action’ or *de jure* rules ‘in books’ (e.g., Ostrom et al. 1989).

- *Rules in action* are social meanings people enact, resist, and adapt in actual contexts. The ‘psychometric’ approach (e.g., Campbell 1990, Cronbach and Meehl 1955) captures these meanings as latent constructs beneath the diversity of individual judgments, opinions, or perceptions on some theoretically relevant aspects of a situation. Measurement consists of *eliciting* – i.e., collecting scores from selected classes of respondents about theoretically relevant features of rules through surveys and questionnaires. The gauge is deemed valid when it correlates ‘as expected’ with those constructs that the original theory establishes as cognate.
- *Rules in books* are discrete linguistic objects backed by public authorities. The ‘representational’ approach (e.g., Kholodilin and Pfeiffer 2021, Heilmann 2015, Sassoon 2010, Suppes 2002, Stevens 1946) captures their qualities directly, as the variation in selected content of theoretical interest. Measurement consists of *scaling* – that is, ‘mapping’ the variation onto numbers to render sameness, ranking, distance, proportion, or other relevant relationships between objects. As operational contributions make clear (e.g., Franceschini, Galetto, Maisano 2007), mapping requires functions and algorithms that embed normative, prescriptive, or pragmatic evaluations into scores. Nevertheless, the gauge is valid when the relationship between numbers preserves the relationship between objects faithfully.

The distinction draws attention to the implications of data generation strategies for validity (e.g., Voigt 2013, Angner 2011). Knowledge elicited from selected respondents through questionnaires and surveys inevitably includes contextual and informal considerations and exceeds the letter of a rule. Thus, it may seem wiser that questionnaires and surveys are deployed for gauging rules-in-action and researchers’ direct mapping for gauging rules-in-book.

However, in actual practice, elicitation and mapping are intertwined and complementary strategies (e.g., Vessonon 2020). On the one hand, elicitation through surveys and questionnaires can seldom evade classification and scaling decisions when defining constructs. Psychometrics, too, needs a codebook – and, compellingly, a transparent one (e.g., Freese and King 2018). On the other hand, establishing the sameness, ranking, distance, or proportion of rules’ content from large corpora spanning across times, contexts, and languages can require that diverse expert scores are gathered through questionnaires – which again raises validity issues (e.g., Petersen and Chatziathanasiou 2021, Kholodilin and Pfeiffer 2021, Buchanan, Chai, and Deakin 2014). Confronted with the problem of preserving the relevant relationships and meanings in the text, the growing interest in machine-learning classification algorithms (e.g., Gilardi, Shipan, and Wüest 2021, Anastasopoulos and Bertelli 2020, Chalkidis and Kampas 2019, Heikkila and Weible 2018) may or may not improve on human experts.

Goal

This Special Issue aims to give center stage, discuss, and advance rationale and tools for turning rules into data that preserve the relevant information from the text for faithful summaries, comparisons, analysis, and broader usage.

Scope

This Special Issue seeks meaningful contributions connecting their empirical analysis, conducted with any technique for any research purpose, to one or both of the following two themes:

(a) frameworks for gauging rules.

Any research strategy implies some ontological stipulations about rules to identify its analytic units (e.g., Little 2020, Searle 1995). For instance, research may build on a difference between rules that constitute new entities by assigning names, linking them to existing entities, endowing them with capacities, and defining their legitimate functions or missions (e.g., Feiock et al. 2016, Hanretty and Koop 2012, Scott 2001), and rules that regulate old and new entities by defining some of their possible courses of action as legitimate or ruling out some others as illegitimate, conditioning some actions to obligations and requirements, and anticipating some consequences (e.g., Atkinson and Schubert 2021, Damonte 2013). Besides, the purpose of analysis can better be served by a focus on selected parts of rules, such as their deontic elements, their target population, or some other crucial ‘provisions’ (e.g., Franchino 2007, Ostrom et al. 1989) instead of mechanisms arising from the logical interplay of rules (e.g., Frantz and Siddiki 2022, Schlager et al. 2021, Brady et al 2018).

Contributions to this theme take advantage of their empirical study to expose and discuss the stipulations about rules’ kinds, contents, and connections that turn them into meaningful units of analysis.

(b) challenges of coding rules.

The meaningful units of analysis can be scattered through legal texts across lawmaking and rulemaking levels and jurisdictions. They can be shaped in different languages, each characterized by specific stylistic conventions and contextual understanding of seemingly twin terms (e.g., Petersen and Chatziathanasiou 2021). Human-based strategies for coding rules overcome these complexities by resorting to human experts. Divergence in interpretation can be valued as the signal of a less-than-robust conceptualization and ontology (e.g., Melton et al. 2013). It may open to theoretical refinement or statistical fixings by increasing the number of sources up to ‘crowdsourcing’ practices – which, however, does not compensate for the risk of biases (e.g., van Atteveldt et al 2021, Horn 2019, Lodge and Wegrich 2015). The introduction of semi-supervised machine learning algorithms to classify text and recognize patterns comes with the promise that algorithms can scale up human expertise and improve the empirical basis for description, prediction, explanation, or intervention. Yet, every algorithm comes with assumptions about data structures that, when not met, degrade their performance (e.g., van Engelen and Hoos 2020, Zhu 2007).

Contributions to this theme take advantage of their empirical study to pinpoint the problems of capturing the intended meaning of the rules-in-book across jurisdictions, time windows, languages, and styles, and discuss selected methodological solutions to these problems.

Deadline and submission procedure

By November 30, 2022, interested scholars can submit their full manuscripts (of up to 8,500 words, prepared according to the Regulation and Governance’s author guidelines

(onlinelibrary.wiley.com/page/journal/17485991/homepage/forauthors.html#preparing) through the journal's management system (wiley.atyponrex.com/dashboard?siteName=REGO).

In submitting their manuscripts, the Authors are kindly reminded to

(1) declare their contribution to this Special Issue in the Additional Information section of the submission procedure and

(2) recommend at least one reviewer for their submission that meets the requirements of expertise, active engagement, diversity, and integrity.

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