

International Legal Scholarship and the Challenge of Digitalization

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Problem & Thesis

What are the challenges arising from digitalization for international legal scholarship?

Methodological challenge

Structure

I. Legal Theory Part: What does digitalization mean for legal scholarship in general?

II. International Law Part: How can data analysis be used in international law?



Legal Theory Part

What does Digitalization mean for Legal Scholarship in General?

Digitalization & Legal Scholarship: Developments

Datafication of "law"

 Rise in automated information retrieval about the "law"

Legal Knowledge Differentiation

Datafication of the "Law" (1)

"Double nature of the law" (Alexy)

"Law" is also a social practice

"Legal data" = "Law-related social facts" (Rottleuthner)

Datafication of the "Law" (2)

Publishing companies, Google Books, libraries

Courts, legislators

Legal Scholarship

Automated Information Retrieval on "Law"

Quantitative Methods

Statistics / Econometrics

Legal Knowledge Differentiation (1)

 Aim: Methodologically sound, intersubjective knowledge about law

New Legal Realism: Understanding how law works



Legal Knowledge Differentiation (2)

"Our case material is a gold mine for scientific work.

It has not been scientifically exploited. ...

We should critically examine all the methods now used in any of the social sciences and having any useful degree of objectivity."

Herman Oliphant (1928)



International Law Part

How can Data Analysis be used in International Law?



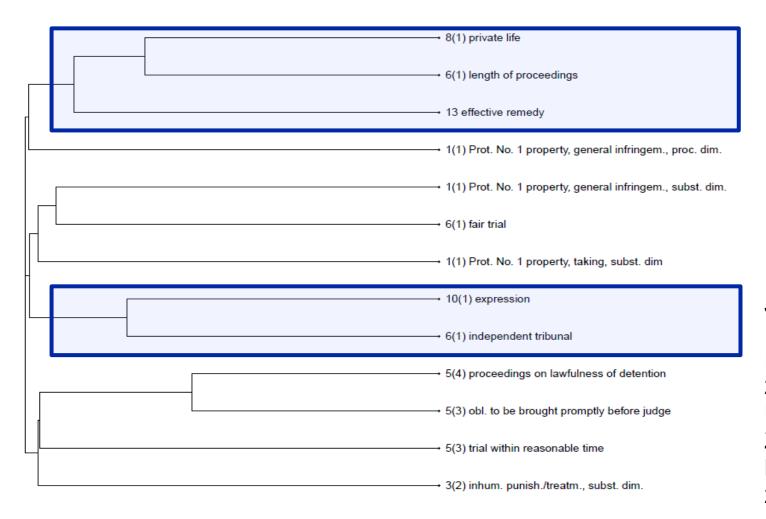
Legal Texts as Data: Text Mining



Altwicker, ECHR Data Protection Project 2018



Legal Relationships as Data: Clusteranalysis



Joint Project Damages 2.0 UZH, ZHAW, MPI 2018

Legal Decision-Making as Data: Regression Analysis

 Associations between a response variable Y and explanatory variable(s) X₁, ..., X_n

 Example: Amount of non-pecuniary damages in ECHR judgments (Altwicker-Hámori et al.)



Sources

Alexy, Robert: 'Die Doppelnatur des Rechts' (2011) 50 *Der Staat* 389

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Oliphant, Herman: A Return to Stare Decisis' American Bar Association Journal 14 (1928)

Rottleuthner, Hubert: 'Rechtswissenschaft als Sozialwissenschaft', in E. Hilgendorf and J. C. Joerden (eds.), Handbuch Rechtsphilosophie (2017) 251