



**University of
Zurich** ^{UZH}

Center for Legal Data Science

CLDS
Center for
Legal Data Science

Challenge Pitches

Open Legal Lab 2023

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Swiss Federal Supreme Court Dataset (SCD)

- Dataset with all **113,367 cases** decided by the Swiss Federal Supreme Court between 2007 and 2022
- **30 variables**
 - Case information, appealed judgment, duration of proceedings
 - Area of law (coded in 56 categories)
 - Parties and their representation
 - Case outcomes
 - Citations and BGE publication
- Quarterly **updates** to include newest judgments
- Available as **open data** on [Zenodo](#), CC-BY 4.0 license





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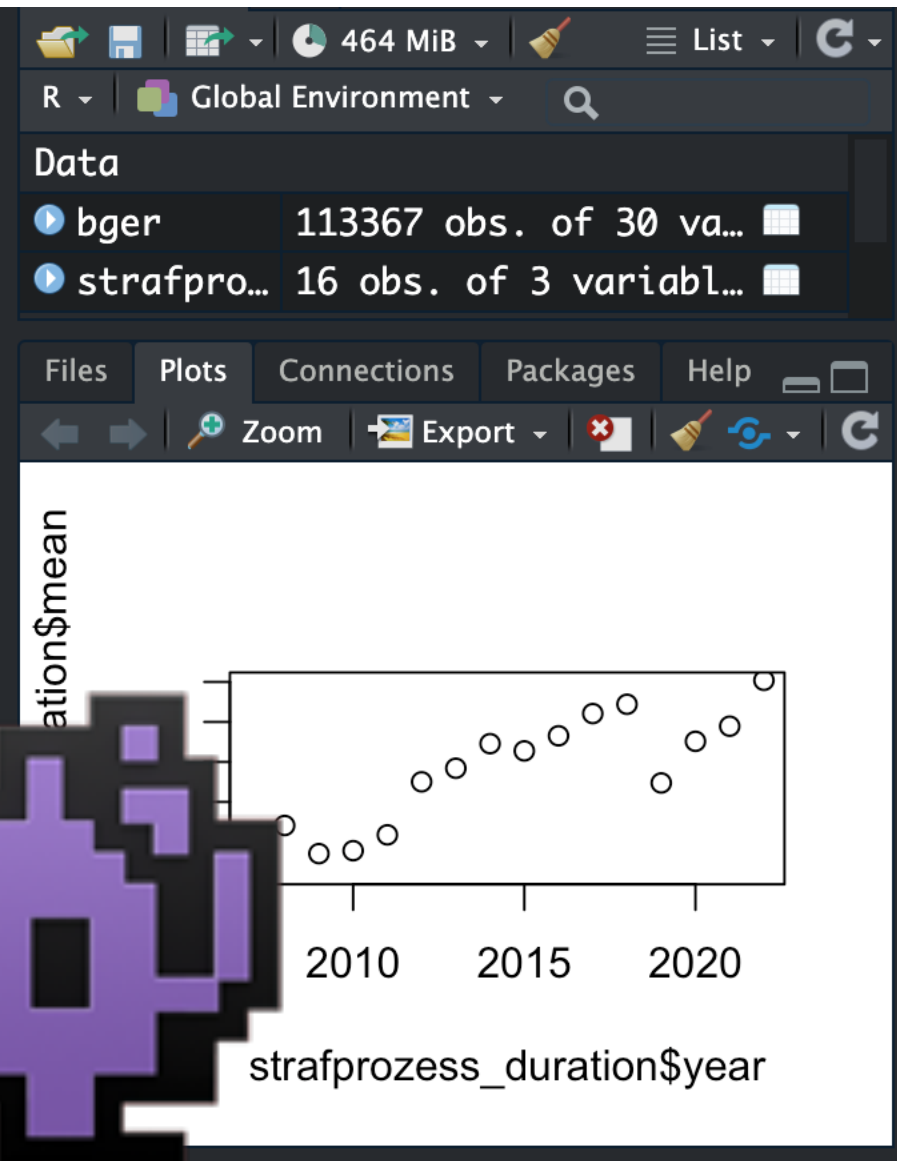
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That's a lot of data ... how can we use it?



```
40 arrange(desc(prop_true))
41
42 bger %>%
43   filter(proc_type == "Constitutional") %>%
44   summarise(prop_true = sum(outcome_binary, na.rm = TRUE)/n())
45
46 # Welcher Bundesgerichtsentscheid ist am umfangreichsten?
47 bger %>%
48   select(docref, length, leading_case) %>%
49   arrange(desc(length)) %>%
50   head(n = 10)
51
52 # Welcher Bundesgerichtsentscheid wird am häufigsten zitiert?
53
54 all_cited <- unlist(strsplit(unique(bger$cited_bge)
55 table(all_cited) %>%
56   as_tibble() %>%
57   arrange(desc(n))
58
57:19 (Top Level) ▾
Console
```



What affects youths' education?

Internet access ▲

Marital status

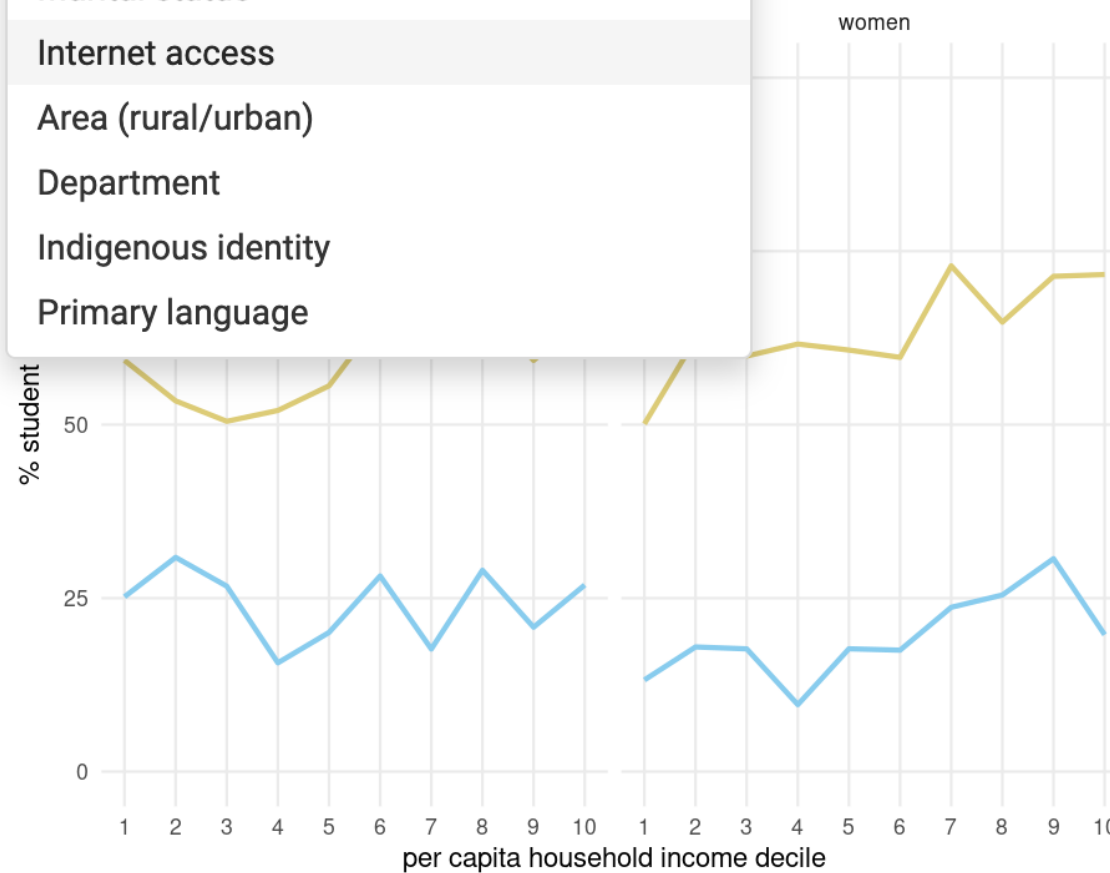
Internet access

Area (rural/urban)

Department

Indigenous identity

Primary language



Challenge 4

Federal Supreme Court Data Viewer

– 🎯 Goal

Create a Shiny app so that everyone can perform a simple analysis of the SCD

– 🚀 Roadmap

- Define analysis types as use cases
- Design (and translate?) user interface, write user guide
- Program Shiny app



– 🔍 We are looking for

- lawyers, designers, writers, R programmers, ...



Challenge 2

Citation Analysis

- Explore the **vast universe of citations** in Federal Supreme Court judgments
 - Find appropriate precedents
 - Trace the development of jurisprudence
 - Discover changes in case law
- SCD has **ready-to-use citation data**
-  **Goal**
 - Visualise the citation network to discover related judgments*
 - or find out if a precedent is still up-to-date*
-  **Tools available** to visualise citation networks, e.g. open source [graph-tool](#)
- Build a team and set your ideas free!



Get the data

Find the data and documentation at scd.legaldata.ch
or directly on zenodo.org/record/7793044

*Florian Geering and Jakob Merane. (2023).
Swiss Federal Supreme Court Dataset (SCD).
Version 2023-1. Zenodo.
DOI 10.5281/zenodo.7793044*

👋 Need **more data**, such as full texts? **Let's chat!**

