



2024 Questionnaire of the 1st Study Commission IAJ-UIM

“The Effects of Artificial Intelligence on the Judiciary”

Response from the Swedish Association of Judges

1. Do judges in your country utilize artificial intelligence technology (AI), and how so?

Some use CHAT-GPT to write drafts but that is a personal test.

Other areas where AI is used in the judiciary;

Process mining - data analysis and work with logs

With the help of artificial intelligence (AI), we can identify different steps in the court process and how long these steps take. With AI, the court gets a better basis for decision-making of which steps take time and where to put resources.

Application for translation into different languages

This is useful for cases that need to be translated.

Application for anonymization

An application for masking and anonymizing different types of documents.

Automatic transcription and interpretation

This assignment, which is based on speech recognition, has resulted in a cross-functional working group looking further at two different scenarios. It was partly about being able to transcribe what is said during the court hearing and to get the material in a structured form and be able to write a judgment faster, plus it makes it easier for the recorder at a court hearing. The second part was about being able to communicate with parties with the help of an AI interpreter in, for example, reception, in telephone conversations and during preparation in a case or a court hearing.

a. If not, have judges in your country considered using AI and, if so, how?

The Swedish National Court Administration has some ideas to explore;

Automatically summarize actions

The idea is to be able to summarize documents, compare with others, make suggestions regarding communication – automatically be able to summarize documents to highlight the most important things in an opinion and compare with the rest of the case.

Administrators quickly get an overview if communication is necessary.

Check if a goal is complete (messy act)

The idea is to automatically name and save documents with AI, to be able to automatically classify and name documents that come in and quickly create an overview if the file is complete or if something is missing.

Data analysis for optimization of the use of video conferencing

The idea is to use data analysis when using video conferencing systems to be able to optimize the use.

Booking Bot 2.0

The idea of the booking bot 2.0 is to be able to book negotiations with parties – leave the booking of both internal meetings but also negotiations to software robots. Free up time.

Valuation of disputes

The idea is to be able to use AI to evaluate disputes in civil cases, it can speed up the process and preparation. Will there be a higher percentage of conciliation?

Team spirit

Team spirit is to create a prototype for legal collaboration tool – legal collaboration tool, knowledge base.

Legal test data with AI

The idea is to create legal test data with the help of AI – new technologies such as Flamingos can generate large amounts of realistic test data.

Simplified classroom technology with AI

The idea is to simplify classroom technology with the help of automation with AI – can we achieve an even higher degree of automation in classroom technology?

Automated inbox review with AI

The idea is that AI helps us review the inbox and sort emails to e.g. goals and errands and flags important emails for prioritization.

"Bundling" of cases

The idea is to be able to give suggestions for several cases that are similar, in order to handle them together (bundle) and get an efficient handling.

DOMSIM

Is about the possibility of using large language models (Chat-GPT or similar) to create a VR environment where law-clerks and assistant judges can train to lead trials. All actors are avatars created with the help of AI and interact with each other in a realistic way. Important project from a democracy point of view as the prototype could be used for educational purposes for e.g. school children and young people.

Mimer

The idea is to use AI to check the quality of judgments. Does every step have an argument? The idea could significantly increase the quality of judgment writing.

Lex Inquisitio

Is about the possibility of using large language models to be able to search in and converse with large masses of text, e.g. preliminary investigation protocols, but also to be able to compare with the opposing party's submissions. Can significantly simplify and speed up work in large and complex cases with a lot of material.

Lexis Nexus

The idea is to create a digital sounding board to be able to test and develop one's argumentation on a specific issue and to explore whether large language models can mimic the arguments of influential individuals about law on various issues. Can create higher quality and sharpen the legal craft.

ChatDOM

The idea is to use GPT models to be able to answer questions on both the intranet and the external web, as well as to be able to prepare and formulate answers to administrative questions for the public. The idea is also about exploring the possibility of using AI for coding (IT development).

b. Is the use of AI in judicial proceedings regulated?

No

c. Does the use of AI effect the handling of evidence?

No, but it makes the evaluation of the evidence harder.

2. What are the advantages and disadvantages of judges using AI?

If it's well used it makes the judiciary more efficient.

a. What are the possible effects of AI on administration of justice?

It can be more efficient.

b. What are the possible effects of AI on judicial independence?

As all tools if it's bad used it is a threat to the independence.

3. Should there be limits to the use of AI by judges and, if so, to what extent?

The limits should be that the procedure must be fair, transparent and the judgement must be well reasoned so that the judiciary has the trust of the people for whom it exists.