

## Questionnaire: The Applications of Artificial Intelligence (AI) in the Judicial System

1. Years of professional experience: [\[Select one\]](#)

Options	Subtotal	Percentage
Less than 5 years	52	<div><div></div></div> 21.58%
5–10 years	48	<div><div></div></div> 19.92%
10–20 years	95	<div><div></div></div> 39.42%
Over 20 years	46	<div><div></div></div> 19.09%
Valid responses	241	

2. Main types of cases you handle: [\[Select one\]](#)

Options	Subtotal	Percentage
Criminal cases	13	<div><div></div></div> 5.39%
Civil cases	186	<div><div></div></div> 77.18%
Administrative cases	5	<div><div></div></div> 2.07%
Other	37	<div><div></div></div> 15.35%
Valid responses	241	



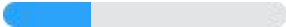
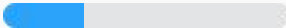

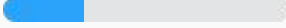



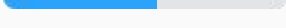

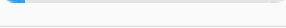
3. Do you support the application of AI in the judicial domain?[\[Likert scale question\]](#)

Average score: 4.23

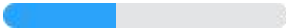

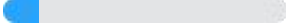
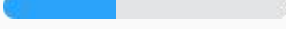
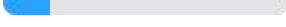
Options	Subtotal	Percentage
Completely do not support	2	<div><div></div></div> 0.83%
Somewhat do not support	8	<div><div></div></div> 3.32%
Neutral	51	<div><div></div></div> 21.16%
Somewhat support	52	<div><div></div></div> 21.58%

Strongly support	128	 53.11%
Valid responses	241	

4. In which judicial tasks do you believe AI could play a role? [\[Select all that apply\]](#)

Options	Subtotal	Percentage
Similar cases retrieval and recommendation	235	 97.51%
Legal regulation retrieval	234	 97.1%
Determination of the authenticity, legality, and relevance of evidence	76	 31.54%
Proof of essential facts	68	 28.22%
Identification of key disputed issues	122	 50.62%
Fact-finding in cases	69	 28.63%
Transcription of court proceedings	196	 81.33%
Proofreading legal documents	227	 94.19%
Drafting legal documents	161	 66.8%
Predicting case outcomes	131	 54.36%
Online dispute resolution	115	 47.72%
Other	19	 7.88%
Valid responses	241	

5. Which judicial tasks do you consider unsuitable or challenging for AI? [\[Select all that apply\]](#)



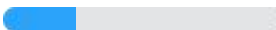
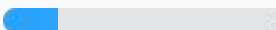


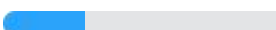
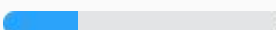
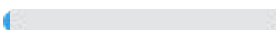
Options	Subtotal	Percentage
Legal reasoning	96	 39.83%
Interpretation and reasoning in judgments	143	 59.34%
Calibration of case-related data	31	 12.86%
Legal argumentation	96	 39.83%
Verification of filing standards	40	 16.6%

Understanding complex case scenarios	165	68.46%
Organizing case files	39	16.18%
Legal interpretation and application	54	22.41%
Generating unresolved legal questions	72	29.88%
Exercising judicial discretion	172	71.37%
Conducting online litigation	26	10.79%
Rendering final judgments	163	67.63%
Other	7	2.9%
Valid responses	241	


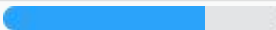
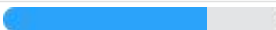
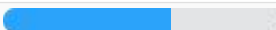
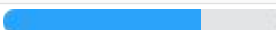




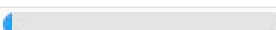
6. What are the limitations of AI in legal reasoning? [\[Select all that apply\]](#)

Options	Subtotal	Percentage
Difficulties in conducting deductive reasoning	78	32.37%
Difficulties in understanding the specific scenarios of individual cases	212	87.97%
Difficulties in dealing with the ambiguity of legal language	122	50.62%
Difficulties in comprehensively assessing the authenticity, legality, and relevance of evidence	142	58.92%
Difficulties in accurately understanding legal provisions	47	19.5%
Difficulties in understanding the differences in legal traditions and cultural backgrounds between legal systems	110	45.64%
Lack of consideration for moral and social values	196	81.33%
Lack of subjective judgment typically exercised by human judges	181	75.1%
Lack of full understanding and application of judicial discretion	166	68.88%
Other	9	3.73%
Valid responses	241	

7. What are the limitations of AI in legal argumentation? [\[Select all that apply\]](#)

Options	Subtotal	Percentage
Lack of accurate grasp of case-specific scenarios	175	 72.61%
Lack of comprehensive consideration of social, moral, and ethical factors	206	 85.48%
Lack of intuitive legal argumentation expression	62	 25.73%
Difficulty in accurately understanding legal provisions	46	 19.09%
Difficulty in fully combining legal provisions with specific case facts	110	 45.64%
Difficulty in recognizing and responding to opposing arguments	105	 43.57%
Insufficient logical coherence and rigor in argumentation	69	 28.63%
Insufficient persuasive power of legal argumentation	64	 26.56%
Other	6	 2.49%
Valid responses	241	

8. What are AI's limitations in understanding complex case scenarios? [\[Select all that apply\]](#)

Options	Subtotal	Percentage
Difficulty in accurately assessing psychological factors	172	 71.3 7%
Difficulty in recognizing and handling emotional factors in cases	171	 70.9 5%
Lack of accurate judgment of complex relationships between parties	174	 72.2 %
Difficulty in perceiving subtle yet important details of the cases	142	 58.9 2%
Difficulty in handling ethical or moral conflicts in cases	168	 69.7 1%
Difficulty in evaluating the true significance of evidence in a specific scenario	111	 46.0 6%
Difficulty in handling unprecedented scenarios	109	 45.2 3%
Difficulty in dealing with ambiguity and uncertainty in specific cases	120	 49.7 9%
Lack of background knowledge support in long-term historical disputes	143	 59.3 4%
Other	7	 2.9 %

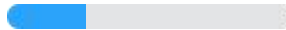
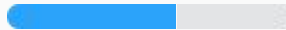

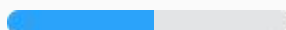

Valid responses	241	
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9. What are AI's limitations in legal interpretation and application? [\[Select all that apply\]](#)









Options	Subtotal	Percentage
Difficulty in truly understanding the logic of legal provisions	65	<div><div></div></div> 26.97%
Difficulty in interpreting ambiguous legal provisions	106	<div><div></div></div> 43.98%
Difficulty in explaining legal provisions from different legal systems	69	<div><div></div></div> 28.63%
Difficulty in applying multiple interpretative methods	78	<div><div></div></div> 32.37%
Difficulty in considering specific case scenarios	173	<div><div></div></div> 71.78%
Difficulty in evaluating moral and ethical factors	185	<div><div></div></div> 76.76%
Difficulty in addressing legal loopholes	123	<div><div></div></div> 51.04%
Difficulty in addressing potential legal conflicts	125	<div><div></div></div> 51.87%
Other	6	<div><div></div></div> 2.49%
Valid responses	241	

10. What are AI's limitations in exercising judicial discretion? [\[Select all that apply\]](#)


Options	Subtotal	Percentage
Lack of emotion and intuition to understand human emotional appeals	190	<div><div></div></div> 78.84%
Difficulty in balancing legal and ethical considerations	166	<div><div></div></div> 68.88%
Difficulty in handling ambiguous or conflicting legal provisions	117	<div><div></div></div> 48.55%
Over-reliance on existing data, lack of innovation and creative discretion	112	<div><div></div></div> 46.47%
Difficulty in making personalized decisions based on specific scenarios	111	<div><div></div></div> 46.06%
Difficulty in perceiving changes in social values and moral norms	126	<div><div></div></div> 52.28%

Difficulty in adapting to discretion standards in different legal systems	67	 27.8%
Lack of ability to directly interact with case parties, making it hard to adjust discretion through communication	144	 59.75%
Risk of excessive legal formalism, neglecting substantive justice	119	 49.38%
Difficulty in considering the social effects of discretion	125	 51.87%
Other	6	 2.49%
Valid responses	241	

11. What are AI's limitations in interpretation and reasoning in judicial rulings? [\[Select all that apply\]](#)

Options	Subtotal	Percentage
Difficulty in adjusting the tone and depth of interpretation and reasoning	155	 64.32%
Difficulty in using various reasoning techniques	105	 43.57%
Difficulty in accurately explaining causal relationships	73	 30.29%
Difficulty in providing targeted responses to disputed issues of different parties	103	 42.74%
Difficulty in balancing legal reasoning and emotional reasoning	159	 65.98%
Difficulty in adjusting reasoning based on different procedural stages (e.g., first instance, second instance)	82	 34.02%
Lack of logical hierarchy	57	 23.65%
Other	8	 3.32%
Valid responses	241	

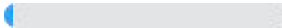
12. What are AI's limitations in rendering final judgments? [\[Select all that apply\]](#)

Options	Subtotal	Percentage
Difficulty in achieving a harmonious balance between	173	 71.78%


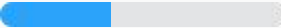
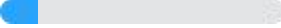
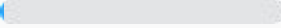
emotion, reason, and law		
Difficulty in making moral and value judgments	161	<div><div></div></div> 66.8%
Lack of experience of human judges	165	<div><div></div></div> 68.46%
Lack of judgment on emerging social issues or areas of law that are unclear	130	<div><div></div></div> 53.94%
Lack of ability to predict the long-term social impacts of cases	129	<div><div></div></div> 53.53%
Lack of legal professional ethics	96	<div><div></div></div> 39.83%
Lack of transparency and explainability	49	<div><div></div></div> 20.33%
Difficulty in handling conflicting evidence or ambiguous scenarios	93	<div><div></div></div> 38.59%
Difficulty in finding the optimal legal rule	45	<div><div></div></div> 18.67%
Difficulty in flexibly adjusting judgments based on courtroom debates and statements from parties	112	<div><div></div></div> 46.47%
Other	8	<div><div></div></div> 3.32%
Valid responses	241	

13. What ethical issues could arise from the application of AI in courts? [\[Select all that apply\]](#)

Options	Subtotal	Percentage
Risk of privacy leakage	186	<div><div></div></div> 77.18%
Risk of algorithmic bias and discrimination	143	<div><div></div></div> 59.34%
Lack of transparency and explainability	76	<div><div></div></div> 31.54%
Impact on judicial independence	132	<div><div></div></div> 54.77%
Disruption of legal professional ethics	106	<div><div></div></div> 43.98%
Risk of human manipulation	148	<div><div></div></div> 61.41%
Unclear attribution of legal responsibility	77	<div><div></div></div> 31.95%
Reduced public trust in legal fairness	114	<div><div></div></div> 47.3%

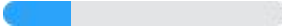
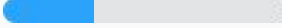
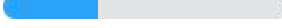
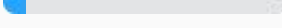
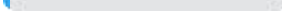
Other	8	 3.32%
Valid responses	241	

14. What is the appropriate scope of AI-assisted judgment? [\[Select one\]](#)

Options	Subtotal	Percentage
AI provides technical support, with judges retaining final decision-making authority	110	 45.64%
AI serves only as a tool, with judges overseeing all processes	94	 39%
AI leads in simple cases, while judges decide complex cases	33	 13.69%
AI leads in all cases	4	 1.66%
Valid responses	241	

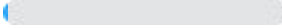
15. Do you think AI can replace human judges in rendering final judgments? [\[Likert scale question\]](#)

Average score: 2.32

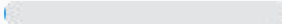
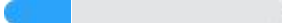
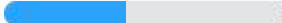
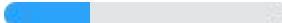
Options	Subtotal	Percentage
Completely cannot replace	59	 24.48%
Somewhat cannot replace	77	 31.95%
Neutral	80	 33.2%
Somewhat can replace	19	 7.88%
Can fully replace	6	 2.49%
Valid responses	241	

16. What do you think is the impact of AI on judicial efficiency? [\[Likert scale question\]](#)

Average score: 4

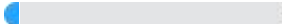
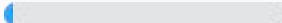
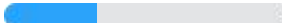
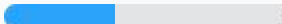
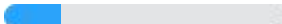
Options	Subtotal	Percentage
May reduce efficiency	4	 1.66%



No impact	2	 0.83%
Slightly improve efficiency	57	 23.65%
Moderately improve efficiency	105	 43.57%
Significantly improve efficiency	73	 30.29%
Valid responses	241	

17. What do you think is the impact of AI on judicial quality? [\[Likert scale question\]](#)

Average score: 3.66

Options	Subtotal	Percentage
May reduce quality	12	 4.98%
No impact	8	 3.32%
Slightly improve quality	79	 32.78%
Moderately improve quality	94	 39%
Significantly improve quality	48	 19.92%
Valid responses	241	

Thank you for your participation. Your responses will significantly contribute to advancing AI in the judicial field. Best wishes!

Total of average scores: **14.2**