LEXRUBRIC: A Rubric-Guided Diagnostic Benchmark for Open-Ended Legal Tasks

Abstract

As large language models (LLMs) are increasingly applied to real-world legal tasks, evaluating the reliability of their open-ended legal responses has become essential. These tasks require context-sensitive answers and allow little room for error, motivating fine-grained and diagnostic evaluation that can identify specific sources of response quality failures. We introduce LEXRUBRIC, a rubric-based benchmark for evaluating open-ended Chinese legal tasks. LEXRUBRIC contains 649 instances from legal consultation and judicial examination, which reflect both everyday legal needs and professional legal reasoning and cover 14 legal scenarios. It further includes 12,337 expert-written atomic scoring criteria organized under a unified six-dimensional framework, enabling accurate evaluation and diagnostic analysis across tasks and evaluation dimensions. To validate the reliability of the evaluation, we test multiple judge models and compare model-based judgments with human judgments. We further evaluate 18 recent general and legal-domain LLMs on LEXRUBRIC. Results show that different models exhibit distinct capability profiles, and that open-ended legal question remains challenging for current LLMs. Data is available at: https://anonymous.4open.science/r/LexRubric-DF88.

1 Introduction

Large language models (LLMs) have rapidly improved in natural language understanding and generation, and are increasingly being applied in the legal domain (Brown et al., 2020; OpenAI et al., 2024; Lai et al., 2024; Dehghani et al., 2025; Li et al., 2026). In real-world legal tasks, both lay users and legal professionals often raise open-ended and context-dependent questions. Reliable responses to such open-ended questions must coordinate multiple aspects, including applicable rules, factual context, legal reasoning, and practical implications, across diverse possible contents and structures. At the same time, legal-domain responses require every substantive part to be accurate and non-misleading (Magesh et al., 2025; Hu et al., 2026). These properties require fine-grained and multi-dimensional evaluation of open-ended legal tasks, supporting both comprehensive assessment and diagnostic analysis.

Most existing legal benchmarks are still designed around standardized task formulations or standardized evaluation methods, limiting their ability to reflect the usability of model outputs in real-world legal question answering. Early benchmarks such as CAIL2018 (Xiao et al., 2018) and CUAD (Hendrycks et al., 2021) mainly evaluate specific legal tasks through predefined labels, answer spans, or task-specific metrics. Comprehensive benchmarks, including LegalBench (Guha et al., 2023), LawBench (Fei et al., 2024), LAiW (Dai et al., 2025), and LexEval (Li et al., 2024a), further expand the coverage of legal knowledge, reasoning, and application abilities. However, their evaluation methods still largely rely on standardized answers, task-specific metrics, or aggregate performance scores. These designs support reproducible comparison, but provide limited evidence for accurate assessment and diagnostic analysis in open-ended legal tasks.

Practice-oriented legal benchmarks further improve task realism, but fine-grained diagnostic evaluation of open-ended legal tasks remains underdeveloped. UCL-Bench adopts a user-centric design based on legal practitioners' needs, but its evaluation is mainly organized around task fulfillment and answer guidance; its relatively coarse and weakly differentiated evaluation hints limit fine-grained assessment (Gan et al., 2025). PLawBench is closely aligned with professional legal workflows, but its evaluation uses task-specific and relatively composite criteria for different legal task types (Shi et al., 2026). These designs motivate a benchmark

Figure 1: Overview framework of LEXRUBRIC: the left side shows the construction and evaluation workflow, while the right side compares model performance on the benchmark.

that centers on accurate evaluation of open-ended legal tasks and presents model performance in an interpretable way.

We introduce LEXRUBRIC, a rubric-based benchmark for evaluating open-ended Chinese legal tasks (Figure 1). Its core idea is to combine expert judgment for each legal question with a unified diagnostic evaluation framework, so that evaluation can better reflect human expert judgments while also supporting cross-task comparison. The benchmark covers two complementary sources of legal questions: *legal consultation*, which is derived from real user queries and reflects diverse practical needs, and *judicial examination*, which provides professionally designed and knowledge-intensive questions. Inspired by rubric-based evaluation in high-stakes professional domains (Arora et al., 2025; Akyürek et al., 2025; Gunjal et al., 2025), LEXRUBRIC uses expert-written scoring criteria to evaluate each instance. These criteria are decomposed into fine-grained assessment units and organized under six shared dimensions. By combining instance-specific expert assessment with a consistent evaluation framework, LEXRUBRIC supports precise evaluation of individual responses and diagnostic comparison across tasks, scenarios, and quality dimensions.

Our contributions are threefold:

- **Open-ended Chinese legal benchmark.** We construct LEXRUBRIC, covering 649 instances from legal consultation and judicial examination across 14 legal scenarios. The benchmark targets naturally formulated legal questions that require open-ended responses, rather than closed-form selection, classification, or generation under a fixed answer structure.

- **Fine-grained and diagnostic rubric-based evaluation framework.** We design a unified six-dimensional quality framework and instantiate it with 12,337 expert-written scoring criteria. This enables precise response-level assessment and supports item-level, dimension-level, and task-level analysis of model behavior.

- **Systematic analysis of LLMs' legal capabilities.** We evaluate both general-purpose and legal-domain LLMs on LEXRUBRIC. The results show that the benchmark reveals model strengths and weaknesses across tasks, dimensions, and different models, including patterns that are difficult to observe from a single aggregate score.

2 Related Work

As artificial intelligence (AI) systems are increasingly applied to legal reasoning and decision-making tasks, evaluating model capabilities has become an important foundation of legal AI research (Lai et al., 2024; Dehghani et al., 2025; Hu et al., 2026). Early legal benchmarks mainly focused

Benchmark	Task				Data		Evaluation		
	Capability Scope	Open-ended QA	Layperson-oriented	Professional-oriented	Samples	Language	Criterion-level Rubric	Rubric Structure	Unified Rubric Framework
CaseHold	Single	✗	✗	✓	53,000+	EN	✗	–	–
CUAD	Single	✗	✗	✓	510	EN	✗	–	–
CAIL2018	Single	✗	✗	✓	2.6M+	ZH	✗	–	–
JEC-QA	Comprehensive	✗	✗	✓	26,365	ZH	✗	–	–
LexGLUE	Comprehensive	✗	✗	✓	52.8k	EN	✗	–	–
LegalBench	Comprehensive	✗	✗	✓	10k	EN	✗	–	–
LawBench	Comprehensive	Partial	✗	✓	90k+	ZH	✗	–	–
LexEval	Comprehensive	Partial	✗	✓	14k+	ZH	✗	–	–
LAiW	Comprehensive	Partial	✗	✓	11k	ZH	✗	–	–
LEXam	Comprehensive	Partial	✗	✓	7,537	EN/DE	✗	–	–
PRBench-Law	Comprehensive	✓	✗	✓	500	EN	✓	Atomic	✓
PLawBench	Comprehensive	✓	✗	✓	850	ZH	✓	Composite	✗
LEXRUBRIC	**Comprehensive**	✓	✓	✓	**649**	**ZH**	✓	**Atomic**	✓

Figure 2: Comparison between LEXRUBRIC and representative legal benchmarks. *Capability scope* indicates the breadth of abilities evaluated; *single* refers to a specific capability (e.g., judgment prediction or contract review). *Layperson-oriented* denotes legal questions that ordinary users may encounter in daily life; in LEXRUBRIC, such queries are collected from real user queries. *Professional-oriented* denotes questions mainly arising in professional legal settings, such as legal knowledge, legal reasoning, or exam-style tasks.

on specific legal tasks or technical settings, covering areas such as judgment prediction, contract review, legal retrieval-augmented generation, and legal agent evaluation (Xiao et al., 2018; Hendrycks et al., 2021; Yao et al., 2022; Li et al., 2024b; Pipitone and Alami, 2024; Li et al., 2025b,a,c). These works make targeted legal abilities measurable. Yet a benchmark tied to a single task setting has limited capacity to reflect a model's overall performance in practical legal use.

Legal benchmarks have further extended this line from task-specific evaluation to broader capability coverage. LexGLUE (Chalkidis et al., 2022), LegalBench (Guha et al., 2023), LawBench (Fei et al., 2024), LAiW (Dai et al., 2025), LexEval (Li et al., 2024a), and DISC-Law-Eval (Yue et al., 2023) organize legal evaluation across knowledge, reasoning, application, and system-level abilities. These benchmarks define the basic landscape of legal LLM evaluation. Their emphasis is mainly task coverage, ability taxonomy, and standardized scoring, often through answer options, fixed outputs, or short references (Zhong et al., 2020; Zheng et al., 2021; Fan et al., 2026). LEXRUBRIC instead focuses on open-ended complex legal question answering.

Recent benchmarks have moved closer to realistic legal use. UCL-Bench (Gan et al., 2025) improves Chinese legal evaluation through user-centered legal needs and professional answer guidance, although its feedback remains relatively coarse. Rubric-based evaluation offers a structured way to assess open-ended professional-domain question answering (Arora et al., 2025; Akyürek et al., 2025). Its use as training signals further suggests that rubrics can provide actionable feedback beyond final scores (Gunjal et al., 2025).

PLawBench (Shi et al., 2026) brings rubric-based evaluation into legal practice. It covers lawyer-client consultation, case analysis, and document generation, and designs task-specific rubric structures for different professional workflows. However, its rubric items can be relatively composite, requiring a judge to parse multiple assessment requirements within one item. In contrast, LEXRUBRIC targets broader open-ended legal LLM applications, including legal problems that professionals and ordinary users may encounter. It uses a shared six-dimensional framework across tasks and adopts point-level atomic criteria within each instance. The atomic criteria reduces the parsing burden for cost-effective LLM judges and makes rubric checking more accurate and comparable. Figure 2 summarizes the differences between LEXRUBRIC and representative legal benchmarks.

3 LEXRUBRIC

LEXRUBRIC is designed to evaluate open-ended Chinese legal tasks in a way that is close to real use, comparable across tasks, and useful for diag-

nosis. The benchmark consists of legal questions, expert-written reference answers, and instance-specific atomic rubrics for fine-grained assessment of model responses. Figure 1 shows the overall data construction and evaluation workflow.

3.1 Design

The design of LEXRUBRIC follows five goals. *Realistic*: the tasks should reflect real Chinese legal use scenarios. *Open-ended*: model outputs should be open-ended, rather than limited to answer options or other fixed forms and structures. *Diagnostic*: the evaluation should reveal different models' strengths and weaknesses. *Comparable*: different task types should be analyzed under a shared framework. *Reliable*: all reference answers and scoring criteria are annotated by legal experts and further checked through a quality-control pipeline.

We construct LEXRUBRIC from two complementary sources. The first source is legal consultation. We collect real-world user queries concerning legal issues, spanning diverse user roles including parties, legal practitioners, companies, and public institutions. These questions cover practical needs such as legal judgment, risk assessment, dispute strategy, document assistance, and compliance advice. The second source is judicial examination. Legal experts write examination-style questions in collaboration with a judicial-examination platform. These questions contain denser legal knowledge and more explicit normative analysis. Together, the two sources cover a spectrum from everyday legal needs to professional legal capabilities.

3.2 Data Collection

For legal consultation, we start from more than 50,000 real user queries. We score them by difficulty, completeness, practical value, legal relevance, and answerability. Queries with unclear expression but valuable legal intent are rewritten to improve clarity while preserving the original legal problem. After filtering, 622 consultation questions are selected for expert annotation. The consultation split also includes a small supplementary subset of 40 Chinese law-related items from OneMillion-Bench (Yang et al., 2026).

For judicial examination, legal experts write 250 questions for annotation. These questions are designed to cover professional legal reasoning and knowledge-intensive analysis.

For all selected questions, experts first write reference answers and then construct rubrics. The reference answers guide rubric construction, but the final evaluation does not rely on exact matching to a single gold answer.

3.3 Rubric Construction

For each instance, legal experts construct a dedicated set of rubric items. Each rubric item specifies a concrete requirement that a response should satisfy or avoid, together with an integer point value from -10 to 10. Positive items describe desirable qualities of a high-quality response, while negative items describe undesirable, incorrect, unsafe, or misleading properties. The absolute value of the point reflects the relative importance of the requirement. Since instances differ in difficulty and complexity, the number of rubric items and the total possible score vary across instances.

Before instance-level rubric construction, legal experts first developed a set of consensus standards. These standards define objective levels for recurring procedural requirements in legal responses and specify the scoring expectations for each level, ensuring consistency and rigor in subsequent expert annotation. The standards cover eight common categories: *emergency legal procedure guidance*, *information seeking*, *cross-jurisdiction adaptation*, *legal document handling*, *communication customization*, *responses under uncertainty*, *response depth and legal reasoning*, and *ethics and safety*. These standards define the appropriate response requirements for common situations, such as missing legal context, jurisdiction-dependent answers, urgent procedural risks, user-role differences, legal uncertainty, and potentially unsafe or abusive requests. Detailed descriptions of the consensus standards are provided in Appendix C.

The instance-level rubrics are then constructed by multiple legal experts. Experts write both general criteria derived from the consensus standards and question-specific criteria tailored to the legal facts, issues, and expected reasoning of each instance. During rubric construction, experts follow six principles:

- **Valid.** Each criterion must be legally correct and unambiguous.

- **Task relevance.** Each criterion should be grounded in the given question and the expected legal task, without introducing irrelevant or excessive requirements.

- **Mutually exclusive and relatively complete.**

Dimension	Main focus
Legal Accuracy	Correct use of legal rules, legal relations, liability, penalties, and uncertainty.
Reasoning & Logic	Clear and coherent legal reasoning supported by facts and rules.
Completeness	Coverage of key facts, legal elements, procedures, risks, and exceptions.
Clarity & Structure	Clear organization, appropriate wording, and user-matched technical depth.
Task Compliance	Relevance to the question, instruction following, and required format.
Ethics & Safety	Avoidance of unsafe, misleading, unlawful, or overconfident advice.

Table 1: Six-dimensional evaluation framework in LEXRUBRIC.

Statistic	Consult.	Exam	Total
Number of instances	473	176	**649**
Avg. question length	818.82	1015.15	**872.06**
Number of rubric items	10,601	1,736	**12,337**
Avg. rubric items	22.41	9.86	**19.01**
Avg. rubric length	55.98	45.90	**54.56**

Table 2: Dataset statistics of LEXRUBRIC.

Dimension	Consult.	Exam	Total
Legal Accuracy	3,318	629	**3,947**
Reasoning & Logic	3,426	725	**4,151**
Completeness	1,425	80	**1,505**
Clarity & Structure	485	108	**593**
Task Compliance	1,458	183	**1,641**
Ethics & Safety	489	11	**500**
Total	10,601	1,736	**12,337**

Table 3: Distribution of rubric items across dimensions.

Criteria within the same rubric set should not repeatedly assess the same legal point. Besides, the rubrics should cover the key aspects of an ideal answer and avoid omitting core requirements.

- **Atomic.** Each criterion should assess only one requirement. For example, citing a legal provision, identifying applicable conditions, and analyzing factual application should not be bundled into a single criterion.

- **Objective and binary.** Each criterion should be formulated so that the judgment result is limited to either satisfied or not satisfied. It should not require annotators to evaluate the degree or extent to which the response satisfies the requirement.

- **Self-contained.** Each criterion should be assessable from the model response itself, without requiring reference to other criteria or external materials.

LEXRUBRIC organizes all rubric items under six dimensions. These dimensions separate legal substance from general response quality, while remaining general enough for consultation, examination-style reasoning, and practical analysis. Table 1 summarizes the framework.

Formally, for an instance x_i, its rubric set is $\mathcal{R}_i = \{(c_{ij}, p_{ij}, d_{ij})\}_{j=1}^{m_i}$, where c_{ij} is the criterion, $p_{ij} \in [-10, 10]$ is the point value, and d_{ij} is the dimension. Given a model response y_i, its score is:

$$S(x_i, y_i) = \sum_{j=1}^{m_i} p_{ij} \cdot \mathbf{1}\{y_i \models c_{ij}\}, \qquad (1)$$

where $\mathbf{1}\{y_i \models c_{ij}\}$ indicates whether the response triggers the criterion.

Annotation cost. All annotators are legal practitioners or Ph.D. students from top universities who have passed the National Unified Legal Profession Qualification Examination. Each instance undergoes three independent annotation rounds, each completed by a different legal expert. The compensation for annotating the reference answer and rubric set is $44.1–$73.5 per expert per instance, depending on difficulty. In total, 872 instances are annotated, resulting in an overall annotation cost of approximately $154,000.

3.4 Rubric Refinement

To ensure rubric quality, we adopt an expert-in-the-loop construction process. For each instance, multiple legal experts independently construct candidate rubrics, which are then manually reviewed and consolidated into a final rubric set. This process mitigates the limitations of individual expert judgment.

We further apply a quality-control pipeline to improve rubric discriminativeness and validity. We use three Qwen3 models with distinguishable capability levels: Qwen3-235B-A22B, Qwen3-14B, and Qwen3-4B (Yang et al., 2025). For each instance, we generate model responses and score them with the annotated rubrics. Instances are flagged when the scores clearly violate the expected capability gradient or when the rubrics fail to distinguish responses of different quality. For flagged instances, an AI-assisted workflow based on Claude Code SDK[1] and legal-domain skills, such as a legal

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[1] https://code.claude.com/docs/en/agent-sdk

research skill[2], is used to identify and repair rubric defects, including vagueness, overbreadth, or weak discriminativeness. The workflow separates rubric defects from model errors, and all AI-assisted revisions are reviewed and confirmed by legal experts. Instances that remain weakly discriminative after refinement are filtered out.

Finally, LEXRUBRIC contains 649 instances across 14 legal scenarios. Table 2 reports dataset statistics, and Table 3 reports the distribution of rubric items across dimensions. We provide the detailed scenario distribution and concrete data examples in Appendix B.

4 Experiments

4.1 Setup

Evaluated models. We evaluate 18 recent LLMs on LEXRUBRIC. The evaluated models include closed-source general models, open-source general models, and legal-domain models. The closed-source general models include Qwen3.6-Max-Preview, Qwen3-Max (Yang et al., 2025), GPT-5.2, and Claude Sonnet 4.6. The open-source general models include Kimi K2.6, Kimi K2.5 (Team et al., 2026), Qwen3.5-397B-A17B, GLM-5.1, GLM-5 (GLM-5-Team et al., 2026), DeepSeek-V4-Flash, DeepSeek-V4-Pro, DeepSeek-V3.2 (DeepSeek-AI et al., 2025), and DeepSeek-R1 (Guo et al., 2025). The legal-domain models include LegalOne-8B (Li et al., 2026), Farui-Plus[3], LawLLM-7B (Shu et al., 2024), SaulLM-54B-Instruct (Colombo et al., 2024a), and Saul-7B-Instruct (Colombo et al., 2024b). We set the maximum output length to 16k and the temperature to 0.6.

Judging protocol. We use Qwen3.6-27B as the judge model. To reduce evaluation randomness, we set the judge temperature to 0.0. Since LEXRUBRIC uses atomic rubric items, the judge checks each item independently. It only determines whether a response satisfies a criterion, without assigning a holistic score or computing the final score. This simplifies the judgment process and improves the reliability of rubric-level evaluation. Figure 3 illustrates a case study of this evaluation process, showing how atomic rubric items are applied to assess a model response. The judge prompt and a judge-output example are provided in Appendix D.

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[2]https://github.com/Golden2002/legal-research-skill

[3]Accessed via Tongyi Farui: https://tongyi.aliyun.com/farui.

Metrics. We use score rate as the main metric. Let $S_i = S(x_i, y_i)$ be the raw score of response y_i on instance x_i, as defined in Equation 1. We normalize it by the maximum obtainable positive score:

$$R_i = \frac{S_i}{\sum_{j=1}^{m_i} \max(p_{ij}, 0)}. \qquad (2)$$

For each dimension d, we compute the dimension score rate using only rubric items assigned to d:

$$R_{i,d} = \frac{\sum_{j:d_{ij}=d} p_{ij} \cdot \mathbf{1}\{y_i \models c_{ij}\}}{\sum_{j:d_{ij}=d} \max(p_{ij}, 0)}. \qquad (3)$$

We report all score rates as percentages. All final results are averaged over instances.

4.2 Main Results

Table 4 reports the overall and dimension-level results on LEXRUBRIC. Kimi K2.6 achieves the highest overall score rate, 75.21%, followed closely by Qwen3.6-Max-Preview at 75.12%. Qwen3-Max and Kimi K2.5 also exceed 73%. These results show that the strongest general-purpose models can already handle many open-ended Chinese legal tasks, but still have clear room for improvement.

General-purpose frontier models perform better than most legal-domain models. Among legal-domain models, LegalOne-8B performs best, reaching 65.14% and outperforming several general models. This suggests that domain adaptation can be effective even at a smaller scale. However, the other legal-domain models perform much worse. A likely reason is that several of them are trained mainly for English or U.S. legal contexts, such as LawLLM-7B (Shu et al., 2024), while LEXRUBRIC evaluates Chinese legal questions. This gap shows that legal specialization alone is insufficient; the legal system, language, and response format must match the target setting.

The two tasks show different difficulty patterns. Most strong models score higher on judicial examination than on legal consultation. For example, Kimi K2.6 improves from 72.84% on consultation to 81.59% on examination, and Qwen3-Max improves from 71.88% to 80.99%. This indicates that examination-style questions may better match models' strengths in legal knowledge and structured reasoning. In contrast, legal consultation contains longer and more heterogeneous user contexts. It requires models to identify user intent, organize facts, and provide actionable advice. This makes consultation a harder test of practical legal assistance.

Model	Overall Score Rate (%)			Dimension Score Rate (%)					
	Consult.	Exam	All	Acc.	R&L	T.Comp.	E&S	Compl.	C&S
Kimi K2.6	72.84	**81.59**	**75.21**	68.53	**79.08**	86.97	42.55	**73.85**	92.74
Qwen3.6-Max-Preview	**73.17**	80.35	75.12	**69.51**	77.14	**87.30**	59.82	72.02	**94.62**
Qwen3-Max	71.88	80.99	74.35	68.45	77.07	84.06	69.64	70.84	92.90
Kimi K2.5	70.79	80.39	73.40	66.60	76.50	86.94	40.86	70.91	92.41
GLM-5.1	67.57	76.37	69.96	62.13	74.72	82.83	26.84	65.15	92.90
Claude Sonnet 4.6	70.09	66.73	69.18	60.60	72.24	81.91	**72.74**	69.71	92.37
Qwen3.5-397B-A17B	65.85	73.88	68.03	59.46	72.17	82.32	56.67	64.95	91.36
LegalOne-8B	62.93	71.10	65.14	61.65	67.31	78.34	53.31	59.18	89.46
GLM-5	60.02	72.04	63.28	56.92	68.24	77.01	22.03	54.98	90.45
DeepSeek-V4-Flash	62.64	64.67	63.19	55.34	65.71	80.01	54.72	61.11	88.21
DeepSeek-V4-Pro	58.24	72.93	62.22	54.21	65.86	78.20	27.59	54.10	87.47
DeepSeek-V3.2	55.96	70.96	60.03	54.17	61.36	75.35	61.16	52.93	88.95
DeepSeek-R1	58.23	62.86	59.49	52.97	62.43	75.49	40.64	57.20	88.33
GPT-5.2	57.22	54.28	56.43	37.75	63.87	77.68	34.70	63.94	85.99
Farui-Plus	15.61	24.03	17.89	16.03	14.60	34.40	24.46	13.91	50.77
LawLLM-7B	9.55	14.40	10.87	8.25	7.78	25.54	18.61	5.45	33.71
SaulLM-54B-Instruct	9.05	8.73	8.96	3.11	7.77	26.86	8.51	10.32	28.30
Saul-7B-Instruct	5.93	4.96	5.67	1.30	4.34	19.57	7.49	6.60	24.39

Table 4: Main results on LEXRUBRIC. Acc., R&L, T.Comp., E&S, Compl., and C&S denote Legal Accuracy, Reasoning and Logic, Task Compliance, Ethics and Safety, Completeness, and Clarity and Structure, respectively. The best score is in bold, and the second-best score is underlined.

The dimension-level results reveal more detailed model profiles. Models generally obtain high scores on Clarity and Structure and Task Compliance, suggesting that recent models are already able to generate well-organized and instruction-following answers. Legal Accuracy and Completeness are more difficult, especially for weaker or domain-mismatched models. Ethics and Safety shows the largest variation. Claude Sonnet 4.6 ranks first on this dimension, although its overall performance is not in the foremost group. This suggests that Claude Sonnet 4.6 is especially strong in ethics and safety. In contrast, Kimi K2.6 leads in Reasoning and Logic and Completeness, while Qwen3.6-Max-Preview leads in Legal Accuracy, Task Compliance, and Clarity and Structure. These differences show that LEXRUBRIC can reveal model capability profiles beyond a single aggregate score.

Hard subset analysis. To further examine challenging cases, we construct a hard subset by selecting instances on which all evaluated models obtain a score rate below 75%. This yields 117 instances. Table 5 reports the results.

The hard subset shows that LEXRUBRIC contains challenging open-ended legal tasks. The best model, Qwen3.6-Max-Preview, reaches only 51.30%, and Kimi K2.6 reaches 48.91%. This large drop from the full benchmark suggests that current models still have substantial room for improvement.

Model	Consult.	Exam	All
Qwen3.6-Max-Preview	**51.48**	50.00	**51.30**
Kimi K2.6	49.37	45.51	48.91
Qwen3-Max	46.93	46.78	46.92
Claude Sonnet 4.6	46.56	43.87	46.24
Kimi K2.5	46.73	42.10	46.18
GLM-5.1	45.80	47.44	45.99
Qwen3.5-397B-A17B	41.57	44.55	41.93
GPT-5.2	39.79	42.37	40.10
DeepSeek-V4-Flash	38.77	37.51	38.62
DeepSeek-V4-Pro	37.61	40.39	37.94
GLM-5	37.06	42.61	37.73
LegalOne-8B	37.10	33.77	36.70
DeepSeek-V3.2	33.12	**51.15**	35.28
DeepSeek-R1	34.19	34.11	34.18
Farui-Plus	4.59	12.35	5.52
LawLLM-7B	1.57	10.16	2.60
SaulLM-54B-Instruct	1.27	8.46	2.13
Saul-7B-Instruct	-0.02	3.92	0.45

Table 5: Results on the hard subset. All values are score rates (%).

The ranking also changes on the hard subset. Qwen3.6-Max-Preview surpasses Kimi K2.6, while Claude Sonnet 4.6 and GPT-5.2 rank higher than in the full benchmark. These shifts suggest that difficult legal questions test abilities that are not fully reflected by average-case performance. The hard subset also reveals task-specific robustness: DeepSeek-V3.2 is only ranked tenth on judicial examination in the full benchmark, but achieves the best score on hard judicial-examination questions. This pattern shows that difficult cases are not homogeneous, and that hard-subset analysis provides useful evidence beyond a single overall leaderboard.

Model Response: First, determine whether the three security interests have been validly established and the priority rules among them:

1. D's lien: The repair fee claim arose from the repair of the car and is connected to the retained property, namely the car. D has lawfully possessed the car and retained it because the repair fee was unpaid, so D's lien is established. **+8** ✓

The lien has priority. Where the same movable is subject to both a lien and a mortgage or pledge, the lien generally has ✓ **priority in repayment**, unless otherwise provided by law or there is another enforceable arrangement between the parties.

2. B's mortgage vs. C's pledge: **B has registered the automobile mortgage** ✓ so **the mortgage has been established and** ✗ **publicized**. Later, you delivered the same car to C to create a pledge. Although C's pledge is established upon delivery, it is a later-created security interest.

Where the same movable is subject to both a registered mortgage and a later pledge, priority is generally determined by the order of establishment and publicity. **Therefore, B has priority over C** ✓ **+8**

Accordingly, the proceeds from the disposal of the car should be distributed in the following order:

D's lien for the repair fee has first priority, followed by B's mortgage, and then C's pledge ✓ **+10**

Total Score: 26

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A. Cites Article 456 of the ✗ PRC Civil Code and states that a lien over a movable has priority over any prior mortgage or pledge ✓ **+0**

B. States that a lien is a statutory security right and has first priority over prior consensual security rights **+8**

C. Cites Article 415 of the ✗ PRC Civil Code and states that priority between a mortgage and a pledge is determined by the time of ✓ registration or delivery **+0**

D. Cites Articles 403 and 429 of the ✗ PRC Civil Code and identifies when a movable ✗ mortgage and a pledge are established **+0**

E. States that B's registered mortgage predates C's pledge by delivery, so B has priority over C **+8**

F. Clearly states the priority order: D's lien first, B's mortgage second, C's pledge third (**Task Compliance**) **+10**

G. Wrongly states that the lien is subordinate to the mortgage or pledge, or reverses the priority order (**negative criteria**) **-0**

H. Provides a clear structure with ✓ the conclusion, legal basis ✗ and application to the facts (**Clarity & Structure**) **+0**

I. Notes that the analysis is based on the given facts and that actual priority should be verified with complete records such as registration documents (**Ethics & Safety**) **+0**

Figure 3: A case study of rubric-based evaluation in LEXRUBRIC.

Metric	Experts	GLM-5.1	Kimi K2.6	GPT-5
Kendall tau-b	0.800	0.974	0.987	0.987
Spearman	0.886	0.996	0.998	0.998
Pairwise Acc.	90.00%	98.69%	99.35%	99.35%

Table 6: Ranking consistency with the primary judge, Qwen3.6-27B. Kendall tau-b and Spearman measure rank correlation, while Pairwise Accuracy measures the proportion of model pairs with the same relative order. The Experts column reports the average agreement between Qwen3.6-27B and the three legal experts.

4.3 Evaluation Reliability

We validate our LLM-as-a-judge evaluation from two perspectives: agreement with human annotations and robustness across judge models.

For human agreement, we randomly sample 50 instances and select six representative models from different families: Qwen3.6-Max-Preview, Kimi K2.6, GLM-5.1, GPT-5.2, DeepSeek-V4-Pro, and LegalOne-8B. Three legal experts independently score the model responses according to our rubrics, and we compare the human-based rankings with those produced by the primary judge, Qwen3.6-27B. Expert scoring costs approximately $1.5 per instance per expert, totaling about $221 for the 50-instance annotation. As shown in Table 6, Qwen3.6-27B achieves high agreement with experts, suggesting that LLM-as-a-judge can serve as a cost-effective proxy for large-scale rubric-based assessment.

For judge robustness, we further use GLM-5.1, Kimi K2.6, and GPT-5 as alternative judges and compare their rankings with Qwen3.6-27B across all 18 models evaluated on LEXRUBRIC. Table 6 shows high ranking consistency across judges, indicating that our main findings do not depend on a particular judge model. This consistency suggests that the rubric-based evaluation captures stable differences in model performance rather than judge-specific preferences. Detailed results are provided in Appendix E.2.

5 Conclusion

We introduce LEXRUBRIC, a rubric-based benchmark for evaluating open-ended Chinese legal tasks. LEXRUBRIC contains 649 instances from legal consultation and judicial examination, covering 14 legal scenarios and 12,337 expert-written atomic scoring criteria. By organizing these criteria under a unified evaluation framework, LEXRUBRIC supports accurate assessment and diagnostic analysis across tasks, scenarios, and evaluation dimensions. We further verify the reliability of the evaluation method and evaluate 18 recent general-purpose and legal-domain LLMs. Results show that current models exhibit distinct capability profiles, while open-ended legal tasks remain challenging. We hope LEXRUBRIC can provide a practical foundation for developing more reliable and user-oriented legal LLMs.

Limitations

LEXRUBRIC has several limitations. First, the benchmark focuses on Chinese legal tasks. Although it covers both legal consultation and judicial examination across 14 legal scenarios, it does not fully represent other jurisdictions, legal systems, or multilingual legal settings. Models that are strong in other legal systems may therefore be disadvantaged if they are not adapted to Chinese law and Chinese legal expression.

Second, LEXRUBRIC is designed for evaluating open-ended legal tasks rather than real legal service deployment. The questions and rubrics reflect realistic legal needs, but the evaluation cannot fully replace professional legal review. In particular, achieving a relatively high score on LEXRUBRIC should not be interpreted as evidence that a model is safe to use without human supervision in high-stakes legal decisions.

References

Afra Feyza Akyürek, Advait Gosai, Chen Bo Calvin Zhang, Vipul Gupta, Jaehwan Jeong, Anisha Gunjal, Tahseen Rabbani, Maria Mazzone, David Randolph, Mohammad Mahmoudi Meymand, Gurshaan Chattha, Paula Rodriguez, Diego Mares, Pavit Singh, Michael Liu, Subodh Chawla, Pete Cline, Lucy Ogaz, Ernesto Hernandez, and 5 others. 2025. Prbench: Large-scale expert rubrics for evaluating high-stakes professional reasoning. *Preprint*, arXiv:2511.11562.

Rahul K. Arora, Jason Wei, Rebecca Soskin Hicks, Preston Bowman, Joaquin Quiñonero-Candela, Foivos Tsimpourlas, Michael Sharman, Meghan Shah, Andrea Vallone, Alex Beutel, Johannes Heidecke, and Karan Singhal. 2025. Healthbench: Evaluating large language models towards improved human health. *Preprint*, arXiv:2505.08775.

Tom B. Brown, Benjamin Mann, Nick Ryder, Melanie Subbiah, Jared Kaplan, Prafulla Dhariwal, Arvind Neelakantan, Pranav Shyam, Girish Sastry, Amanda Askell, Sandhini Agarwal, Ariel Herbert-Voss, Gretchen Krueger, Tom Henighan, Rewon Child, Aditya Ramesh, Daniel M. Ziegler, Jeffrey Wu, Clemens Winter, and 12 others. 2020. Language models are few-shot learners. NIPS '20, Red Hook, NY, USA. Curran Associates Inc.

Ilias Chalkidis, Abhik Jana, Dirk Hartung, Michael Bommarito, Ion Androutsopoulos, Daniel Katz, and Nikolaos Aletras. 2022. LexGLUE: A benchmark dataset for legal language understanding in English. In *Proceedings of the 60th Annual Meeting of the Association for Computational Linguistics (Volume 1: Long Papers)*, pages 4310–4330, Dublin, Ireland. Association for Computational Linguistics.

Pierre Colombo, Telmo Pires, Malik Boudiaf, Rui Melo, Dominic Culver, Etienne Malaboeuf, Gabriel Hautreux, Johanne Charpentier, and Michael Desa. 2024a. Saullm-54b & saullm-141b: scaling up domain adaptation for the legal domain. In *Proceedings of the 38th International Conference on Neural Information Processing Systems*, NIPS '24, Red Hook, NY, USA. Curran Associates Inc.

Pierre Colombo, Telmo Pessoa Pires, Malik Boudiaf, Dominic Culver, Rui Melo, Caio Corro, Andre F. T. Martins, Fabrizio Esposito, Vera Lúcia Raposo, Sofia Morgado, and Michael Desa. 2024b. Saullm-7b: A pioneering large language model for law. *Preprint*, arXiv:2403.03883.

Yongfu Dai, Duanyu Feng, Jimin Huang, Haochen Jia, Qianqian Xie, Yifang Zhang, Weiguang Han, Wei Tian, and Hao Wang. 2025. LAiW: A Chinese legal large language models benchmark. In *Proceedings of the 31st International Conference on Computational Linguistics*, pages 10738–10766, Abu Dhabi, UAE. Association for Computational Linguistics.

DeepSeek-AI, Aixin Liu, Aoxue Mei, Bangcai Lin, Bing Xue, Bingxuan Wang, Bingzheng Xu, Bochao Wu, Bowei Zhang, Chaofan Lin, Chen Dong, Chengda Lu, Chenggang Zhao, Chengqi Deng, Chenhao Xu, Chong Ruan, Damai Dai, Daya Guo, Dejian Yang, and 245 others. 2025. Deepseek-v3.2: Pushing the frontier of open large language models. *Preprint*, arXiv:2512.02556.

Fatemeh Dehghani, Roya Dehghani, Yazdan Naderzadeh Ardebili, and Shahryar Rahnamayan. 2025. Large language models in legal systems: A survey. *Humanities and Social Sciences Communications*, 12(1977).

Yu Fan, Jingwei Ni, Jakob Merane, Yang Tian, Yoan Hermstrüwer, Yinya Huang, Mubashara Akhtar, Etienne Salimbeni, Florian Geering, Oliver Dreyer, Daniel Brunner, Markus Leippold, Mrinmaya Sachan, Alexander Stremitzer, Christoph Engel, Elliott Ash, and Joel Niklaus. 2026. Lexam: Benchmarking legal reasoning on 340 law exams. *Preprint*, arXiv:2505.12864.

Zhiwei Fei, Xiaoyu Shen, Dawei Zhu, Fengzhe Zhou, Zhuo Han, Alan Huang, Songyang Zhang, Kai Chen, Zhixin Yin, Zongwen Shen, Jidong Ge, and Vincent Ng. 2024. LawBench: Benchmarking legal knowledge of large language models. In *Proceedings of the 2024 Conference on Empirical Methods in Natural Language Processing*, pages 7933–7962, Miami, Florida, USA. Association for Computational Linguistics.

Ruoli Gan, Duanyu Feng, Chen Zhang, Zhihang Lin, Haochen Jia, Hao Wang, Zhenyang Cai, Lei Cui, Qianqian Xie, Jimin Huang, and Benyou Wang. 2025. UCL-bench: A Chinese user-centric legal benchmark for large language models. In *Findings of the Association for Computational Linguistics: NAACL 2025*, pages 7960–8003, Albuquerque, New Mexico. Association for Computational Linguistics.

GLM-5-Team, :, Aohan Zeng, Xin Lv, Zhenyu Hou, Zhengxiao Du, Qinkai Zheng, Bin Chen, Da Yin, Chendi Ge, Chenghua Huang, Chengxing Xie, Chenzheng Zhu, Congfeng Yin, Cunxiang Wang, Gengzheng Pan, Hao Zeng, Haoke Zhang, Haoran Wang, and 168 others. 2026. Glm-5: from vibe coding to agentic engineering. *Preprint*, arXiv:2602.15763.

Neel Guha, Julian Nyarko, Daniel E. Ho, Christopher Ré, Adam Chilton, Aditya Narayana, Alex Chohlas-Wood, Austin Peters, Brandon Waldon, Daniel N. Rockmore, Diego Zambrano, Dmitry Talisman, Enam Hoque, Faiz Surani, Frank Fagan, Galit Sarfaty, Gregory M. Dickinson, Haggai Porat, Jason Hegland, and 21 others. 2023. Legalbench: a collaboratively built benchmark for measuring legal reasoning in large language models. In *Proceedings of the 37th International Conference on Neural Information Processing Systems*, NIPS '23, Red Hook, NY, USA. Curran Associates Inc.

Anisha Gunjal, Anthony Wang, Elaine Lau, Vaskar Nath, Yunzhong He, Bing Liu, and Sean Hendryx. 2025. Rubrics as rewards: Reinforcement learning beyond verifiable domains. *Preprint*, arXiv:2507.17746.

Daya Guo, Dejian Yang, Haowei Zhang, Junxiao Song, Peiyi Wang, Qihao Zhu, Runxin Xu, Ruoyu Zhang, Shirong Ma, Xiao Bi, Xiaokang Zhang, Xingkai Yu, Yu Wu, Z. F. Wu, Zhibin Gou, Zhihong Shao, Zhuoshu Li, Ziyi Gao, Aixin Liu, and 175 others. 2025. Deepseek-r1 incentivizes reasoning in llms through reinforcement learning. *Nature*, 645(8081):633–638.

Dan Hendrycks, Collin Burns, Anya Chen, and Spencer Ball. 2021. Cuad: An expert-annotated nlp dataset for legal contract review. *Preprint*, arXiv:2103.06268.

Yiran Hu, Huanghai Liu, Chong Wang, Kunran Li, Tien-Hsuan Wu, Haitao Li, Xinran Xu, Siqing Huo, Weihang Su, Ning Zheng, Siyuan Zheng, Qingyao Ai, Yun Liu, Renjun Bian, Yiqun Liu, Charles L. A. Clarke, Weixing Shen, and Ben Kao. 2026. Evaluation of large language models in legal applications: Challenges, methods, and future directions. *Preprint*, arXiv:2601.15267.

Jinqi Lai, Wensheng Gan, Jiayang Wu, Zhenlian Qi, and Philip S. Yu. 2024. Large language models in law: A survey. *AI Open*, 5:181–196.

Haitao Li, Junjie Chen, Jingli Yang, Qingyao Ai, Wei Jia, Youfeng Liu, Kai Lin, Yueyue Wu, Guozhi Yuan, Yiran Hu, Wuyue Wang, Yiqun Liu, and Minlie Huang. 2025a. LegalAgentBench: Evaluating LLM agents in legal domain. In *Proceedings of the 63rd Annual Meeting of the Association for Computational Linguistics (Volume 1: Long Papers)*, pages 2322–2344, Vienna, Austria. Association for Computational Linguistics.

Haitao Li, Yifan Chen, Shuo Miao, Qian Dong, Jia Chen, Yiran Hu, Junjie Chen, Minghao Qin, Yueyue Wu, Yujia Zhou, Qingyao Ai, Yiqun Liu, Cheng Luo, Quan Zhou, Ya Zhang, and Jikun Hu. 2026. Legalone: A family of foundation models for reliable legal reasoning. *Preprint*, arXiv:2602.00642.

Haitao Li, Yifan Chen, Hu YiRan, Qingyao Ai, Junjie Chen, Xiaoyu Yang, Jianhui Yang, Yueyue Wu, Zeyang Liu, and Yiqun Liu. 2025b. Lexrag: Benchmarking retrieval-augmented generation in multi-turn legal consultation conversation. In *Proceedings of the 48th International ACM SIGIR Conference on Research and Development in Information Retrieval*, SIGIR '25, page 3606–3615, New York, NY, USA. Association for Computing Machinery.

Haitao Li, You Chen, Qingyao Ai, Yueyue Wu, Ruizhe Zhang, and Yiqun Liu. 2024a. Lexeval: a comprehensive chinese legal benchmark for evaluating large language models. In *Proceedings of the 38th International Conference on Neural Information Processing Systems*, NIPS '24, Red Hook, NY, USA. Curran Associates Inc.

Haitao Li, Yunqiu Shao, Yueyue Wu, Qingyao Ai, Yixiao Ma, and Yiqun Liu. 2024b. Lecardv2: A large-scale chinese legal case retrieval dataset. In *Proceedings of the 47th International ACM SIGIR Conference on Research and Development in Information Retrieval*, SIGIR '24, page 2251–2260, New York, NY, USA. Association for Computing Machinery.

Haitao Li, Jiaying Ye, Yiran Hu, Jia Chen, Qingyao Ai, Yueyue Wu, Junjie Chen, Yifan Chen, Cheng Luo, Quan Zhou, and Yiqun Liu. 2025c. Casegen: A benchmark for multi-stage legal case documents generation. *Preprint*, arXiv:2502.17943.

Varun Magesh, Faiz Surani, Matthew Dahl, Mirac Suzgun, Christopher D. Manning, and Daniel E. Ho. 2025. Hallucination-free? assessing the reliability of leading ai legal research tools. *Journal of Empirical Legal Studies*, 22(2):216–242.

OpenAI, Josh Achiam, Steven Adler, Sandhini Agarwal, Lama Ahmad, Ilge Akkaya, Florencia Leoni Aleman, Diogo Almeida, Janko Altenschmidt, Sam Altman, Shyamal Anadkat, Red Avila, Igor Babuschkin, Suchir Balaji, Valerie Balcom, Paul Baltescu, Haiming Bao, Mohammad Bavarian, Jeff Belgum, and 262 others. 2024. Gpt-4 technical report. *Preprint*, arXiv:2303.08774.

Nicholas Pipitone and Ghita Houir Alami. 2024. Legalbench-rag: A benchmark for retrieval-augmented generation in the legal domain. *Preprint*, arXiv:2408.10343.

Yuzhen Shi, Huanghai Liu, Yiran Hu, Gaojie Song, Xinran Xu, Yubo Ma, Tianyi Tang, Li Zhang, Qingjing Chen, Di Feng, Wenbo Lv, Weiheng Wu, Kexin Yang, Sen Yang, Wei Wang, Rongyao Shi, Yuanyang Qiu, Yuemeng Qi, Jingwen Zhang, and 11 others. 2026. Plawbench: A rubric-based benchmark for evaluating llms in real-world legal practice. *Preprint*, arXiv:2601.16669.

Dong Shu, Haoran Zhao, Xukun Liu, David Demeter, Mengnan Du, and Yongfeng Zhang. 2024. Lawllm: Law large language model for the us legal system. In *Proceedings of the 33rd ACM International Conference on Information and Knowledge Management*, CIKM '24, page 4882–4889. ACM.

Kimi Team, Tongtong Bai, Yifan Bai, Yiping Bao, S. H. Cai, Yuan Cao, Y. Charles, H. S. Che, Cheng Chen, Guanduo Chen, Huarong Chen, Jia Chen, Jiahao Chen, Jianlong Chen, Jun Chen, Kefan Chen, Liang Chen, Ruijue Chen, Xinhao Chen, and 307 others. 2026. Kimi k2.5: Visual agentic intelligence. *Preprint*, arXiv:2602.02276.

Chaojun Xiao, Haoxi Zhong, Zhipeng Guo, Cunchao Tu, Zhiyuan Liu, Maosong Sun, Yansong Feng, Xianpei Han, Zhen Hu, Heng Wang, and Jianfeng Xu. 2018. Cail2018: A large-scale legal dataset for judgment prediction. *Preprint*, arXiv:1807.02478.

An Yang, Anfeng Li, Baosong Yang, Beichen Zhang, Binyuan Hui, Bo Zheng, Bowen Yu, Chang Gao, Chengen Huang, Chenxu Lv, Chujie Zheng, Dayiheng Liu, Fan Zhou, Fei Huang, Feng Hu, Hao Ge, Haoran Wei, Huan Lin, Jialong Tang, and 41 others. 2025. Qwen3 technical report. *Preprint*, arXiv:2505.09388.

Qianyu Yang, Yang Liu, Jiaqi Li, Jun Bai, Hao Chen, Kaiyuan Chen, Tiliang Duan, Jiayun Dong, Xiaobo Hu, Zixia Jia, Yang Liu, Tao Peng, Yixin Ren, Ran Tian, Zaiyuan Wang, Yanglihong Xiao, Gang Yao, Lingyue Yin, Ge Zhang, and 4 others. 2026. $onemillion-bench: How far are language agents from human experts? *Preprint*, arXiv:2603.07980.

Feng Yao, Chaojun Xiao, Xiaozhi Wang, Zhiyuan Liu, Lei Hou, Cunchao Tu, Juanzi Li, Yun Liu, Weixing Shen, and Maosong Sun. 2022. LEVEN: A large-scale Chinese legal event detection dataset. In *Findings of the Association for Computational Linguistics: ACL 2022*, pages 183–201, Dublin, Ireland. Association for Computational Linguistics.

Shengbin Yue, Wei Chen, Siyuan Wang, Bingxuan Li, Chenchen Shen, Shujun Liu, Yuxuan Zhou, Yao Xiao, Song Yun, Xuanjing Huang, and Zhongyu Wei. 2023. Disc-lawllm: Fine-tuning large language models for intelligent legal services. *Preprint*, arXiv:2309.11325.

Lucia Zheng, Neel Guha, Brandon R. Anderson, Peter Henderson, and Daniel E. Ho. 2021. When does pretraining help? assessing self-supervised learning for law and the casehold dataset of 53,000+ legal holdings. In *Proceedings of the Eighteenth International Conference on Artificial Intelligence and Law*, ICAIL '21, page 159–168, New York, NY, USA. Association for Computing Machinery.

Haoxi Zhong, Chaojun Xiao, Cunchao Tu, Tianyang Zhang, Zhiyuan Liu, and Maosong Sun. 2020. Jecqa: A legal-domain question answering dataset. In *Proceedings of the AAAI Conference on Artificial Intelligence*, volume 34, pages 9701–9708.

A Discussion

A.1 Broader Impact

LEXRUBRIC provides a structured evaluation resource for open-ended Chinese legal tasks. As LLMs are increasingly used for legal information seeking, legal consultation, and professional assistance, it becomes important to evaluate not only whether a model can produce fluent answers, but also whether its responses are legally accurate, complete, safe, and responsive to user needs. By combining expert-written atomic rubrics with a unified evaluation framework, LEXRUBRIC makes these qualities measurable and comparable across tasks and scenarios.

The broader value of LEXRUBRIC lies in its diagnostic use. A single leaderboard can show which model performs better overall, but it cannot explain where a model succeeds or fails. LEXRUBRIC provides signals at the task, scenario, and dimension levels. These signals can help researchers analyze legal LLM behavior more transparently, help developers improve model weaknesses, and help legal-domain practitioners better understand the limitations of model-generated legal answers.

LEXRUBRIC should be used as an auxiliary evaluation resource rather than a replacement for legal expertise. In practical development, it can help identify potential risks before deployment, support human-in-the-loop evaluation, and guide the construction of more reliable and user-oriented legal LLMs. We hope the benchmark can contribute to safer legal AI systems that better serve both professional users and ordinary users.

A.2 Ethical Considerations

LEXRUBRIC is constructed with attention to data compliance and responsible use. All included questions, reference answers, and rubric items are reviewed by legal experts. The benchmark is designed for evaluation purposes only, and it should not be interpreted as a source of legal advice or as a substitute for professional legal review.

For privacy protection, the legal consultation data are processed before annotation and evaluation. Sensitive personal information, such as names, identities, and other personally identifying details, is anonymized or obfuscated. We do not release raw user records that contain identifiable private information. The released benchmark content is intended to preserve the legal substance of the questions while reducing privacy risks.

We also apply content review during benchmark construction. The dataset focuses on legal analysis, risk assessment, procedural guidance, and related evaluation needs. We exclude content that is outside the intended legal-evaluation scope, such as requests for illegal evasion, harmful instructions, personal data disclosure, or other unsafe uses. For high-stakes legal issues that remain in the benchmark, the purpose is to evaluate whether models can respond safely and appropriately, not to provide actionable legal decisions.

Finally, the development and use of LEXRUBRIC follow responsible legal-AI practices. Benchmark results should be used to understand model capabilities and risks, rather than to justify unsupervised deployment. In real legal settings, model outputs should remain subject to human review, especially when they may affect rights, obligations, litigation strategy, compliance decisions, or other high-stakes outcomes.

B Dataset Details

B.1 Legal Scenario Distribution

Table 7 shows the distribution of LEXRUBRIC instances across 14 legal scenarios.

B.2 Examples

Figure 4 shows two representative examples from LEXRUBRIC. To protect privacy, we mask sensitive personal information in the data, such as names, identities, and other personally identifiable details.

C Consensus Standards for Rubric Annotation

Before constructing instance-level rubrics, legal experts developed eight consensus standards to improve annotation consistency for recurring legal-response requirements.

1. **Emergency legal procedure guidance.** This standard distinguishes clear emergencies, potential or conditional emergencies, and non-emergency situations. It evaluates whether a model can identify situations that require immediate legal or procedural action and provide appropriate guidance.

2. **Information seeking.** This standard distinguishes cases with sufficient context from cases with missing key information. It evaluates whether a model can recognize informa-

Legal Scenario	#Inst.
Criminal Offenses and Criminal Procedure	105
Labor, Employment, and Social Security	92
Creditor–Debtor, Guarantees, Enforcement, and Bankruptcy	79
Contract Transactions and Commercial Cooperation	66
Administrative Regulation, Tax, and Government Affairs	62
Corporate Governance, Equity, and Investment/Financing	59
Real Estate, Immovable Property, and Property Rights	50
Civil Procedure, Arbitration, Evidence, and Legal Profession	32
Marriage, Family, and Inheritance	23
Intellectual Property, Data Technology, and Cross-Border Compliance	20
Construction Projects and Tendering	18
Tort Liability, Personality Rights, and Personal Injury	16
Finance, Banking, Insurance, Asset Management, Securities, and Bills	16
Consumer Rights, Product Quality, and Healthcare	11
Total	**649**

Table 7: Distribution of LEXRUBRIC instances across legal scenarios.

Legal Consultation

"**ID**": 1855,
"**question**": "I had a friendship with Zeng, who had feelings for me. From December 2024 to April 2025, he repeatedly transferred money and sent red packets to me, without agreeing on interest or a repayment term. ... He later sued me for a private lending dispute. What is his chance of success, and how should I defend?",
"**answer**": "The probability that the other party will fully succeed on a private lending claim is low; full support is highly unlikely, though the court may order partial return of some funds. ... The defense should focus on lack of lending agreement, gratuitous support/gift, specific-purpose assistance, partial debt waiver, and the distinction between moral return and legal repayment. ...",
"**rubrics**": [
{"**criterion**": "Conclude that the other party's chance of prevailing on a private lending claim is relatively low, though partial return may be recognized at the court's discretion.",
"**point**": 6, "**dimension**": "Reasoning and Logic"},
{"**criterion**": "Cite Article 16 of the Supreme People's Court judicial interpretation on private lending, and explain that transfer records alone are insufficient to prove a lending relationship.",
"**point**": 7, "**dimension**": "Legal Accuracy"},
{"**criterion**": "Identify at least three favorable factors for the defendant, such as no written IOU, express waiver statements, proactive transfers by the plaintiff, and the defendant's prior refusal to borrow.",
"**point**": 6, "**dimension**": "Completeness"},
{"**criterion**": "The answer treats the parties as having a private lending consensus without questioning that characterization or providing counterarguments.",
"**point**": -8, "**dimension**": "Reasoning and Logic"},
{"**criterion**": "The answer advises the defendant to proactively admit the lending relationship as a litigation strategy in exchange for interest reduction or installment repayment.",
"**point**": -6, "**dimension**": "Reasoning and Logic"}
…]

Judicial Examination

"**ID**": 6,
"**question**": "Courier Zhao delivered a package containing a flying disc worth RMB 2,000 to the wrong address and left it at Qian's door. Qian thought it was his own package, opened it, and played with the disc in the yard. The disc later flew into neighbor Sun's yard. Qian shouted, "That is my flying disc," but Sun intended to possess it and refused to return it. The next day, Zhao discovered the mistaken delivery and asked Qian to return the package, but Qian refused. ... In Fact 1, some argue that Qian commits fraud. Do you agree? Please explain.",
"**answer**": "I do not agree that Qian commits fraud. Fraud requires the purpose of illegal possession, a deceptive act, the victim's mistaken belief, disposition of property based on that mistake, and resulting property loss. ... When Qian first received the package, he mistakenly believed it was his own and did not commit any deceptive act. When Zhao later demanded return, Qian merely refused to return it and did not cause Zhao to make a new property disposition based on deception. ... Qian's later refusal may raise an issue of unlawful appropriation, but the flying disc was worth only RMB 2,000 and may not meet the criminal threshold; civil remedies such as unjust enrichment may apply. ...",
"**rubrics**": [
{"**criterion**": "Clearly state disagreement with the view that Qian commits fraud.",
"**point**": 7, "**dimension**": "Task Compliance"},
{"**criterion**": "Analyze the case in two stages: the acquisition stage and the refusal-to-return stage.",
"**point**": 4, "**dimension**": "Clarity and Structure"},
{"**criterion**": "Explain that when Qian obtained the package, he lacked the purpose of illegal possession because he mistakenly believed it was his own package.",
"**point**": 8, "**dimension**": "Reasoning and Logic"},
{"**criterion**": "Mention that Qian's refusal to return the disc after knowing it did not belong to him may implicate the crime of unlawful appropriation.",
"**point**": 5, "**dimension**": "Completeness"},
{"**criterion**": "The answer identifies Qian's refusal to return the flying disc as fraud.",
"**point**": -5, "**dimension**": "Legal Accuracy"},
…]

Figure 4: Examples from LEXRUBRIC. The left side shows a legal consultation instance, while the right side shows a judicial examination instance.

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tion gaps and ask for legally relevant factual or contextual information when necessary.

3. **Cross-jurisdiction adaptation.** This standard distinguishes cases where the applicable legal context is explicit, legally important but unspecified, or irrelevant to the task. It evaluates whether a model can adapt its answer to different jurisdictions and avoid unsupported jurisdictional assumptions.

4. **Legal document handling.** This standard covers tasks involving contracts, complaints, statements, notices, and other legal documents. When information is sufficient, the response should be accurate, compliant, and instruction-following. When information is insufficient or the task is unsafe or unclear, the response should prioritize safety, clarify limitations, and guide the user appropriately.

5. **Communication customization.** This standard distinguishes communication with legal professionals from communication with lay users. It evaluates whether a model can adjust terminology, explanation depth, and practical guidance according to the user's role and expertise.

6. **Responses under uncertainty.** This standard distinguishes reducible uncertainty, irreducible uncertainty, and cases without substantial uncertainty. It evaluates whether a model asks targeted questions, states legal

uncertainty honestly, or provides a determinate answer when the legal basis is sufficiently clear.

7. **Response depth and legal reasoning.** This standard distinguishes questions that require concise answers from those requiring detailed analysis. It evaluates whether a model can match the depth of its response to the complexity of the legal issue and provide sufficient reasoning when needed.

8. **Ethics and safety.** This standard covers requests involving illegal conduct, abuse of legal procedures, exploitation of legal loopholes, or serious ethical risks. It covers three categories: refusing to assist potentially illegal or criminal conduct, refusing the misuse of legal procedures and exploitation of legal loopholes, and handling complex requests involving major ethical dilemmas. Each category requires different strategies for refusal and redirection. It evaluates whether a model can refuse unsafe assistance while providing lawful and responsible alternatives when appropriate.

D Evaluation Details

For response generation, we do not use a fixed prompt template. Each model is asked to answer the original legal query in LEXRUBRIC.

For evaluation, the judge model checks each atomic rubric item independently. For each item, it returns an explanation and a Boolean value indicating whether the model response satisfies the criterion.

D.1 Judge Prompt Template

Table 8 shows the full prompt template used for rubric-level judgment.

D.2 Judge Output Example

Table 9 shows a judge-output example. Each row corresponds to one atomic rubric item.

E Evaluation Reliability Details

E.1 Ranking Consistency Metrics

We use three metrics to compare two rankings: Kendall tau-b, Spearman rho, and pairwise accuracy.

Kendall tau-b. Kendall tau-b measures pairwise rank agreement while accounting for ties. Let C be the number of concordant pairs and D be the number of discordant pairs. Let T_x and T_y be the numbers of pairs tied only in the first and second ranking, respectively. Kendall tau-b is computed as:

$$\tau_b = \frac{C - D}{\sqrt{(C + D + T_x)(C + D + T_y)}}. \quad (4)$$

A value close to 1 indicates that the two rankings have highly similar pairwise orderings.

Spearman rho. Spearman rho measures the correlation between two rank sequences. Given two rankings r and s, it is computed as the Pearson correlation between their rank values:

$$\rho = \frac{\sum_{i=1}^{n}(r_i - \bar{r})(s_i - \bar{s})}{\sqrt{\sum_{i=1}^{n}(r_i - \bar{r})^2}\sqrt{\sum_{i=1}^{n}(s_i - \bar{s})^2}}. \quad (5)$$

When there are no ties, this is equivalent to the standard formula based on squared rank differences:

$$\rho = 1 - \frac{6\sum_{i=1}^{n}(r_i - s_i)^2}{n(n^2 - 1)}. \quad (6)$$

Pairwise accuracy. Pairwise accuracy measures how often two rankings agree on the relative order of model pairs. For each pair of models, we check whether the two rankings make the same preference judgment. For example, if both rankings place model a above model b, this pair is counted as correct. The final score is the proportion of correctly ordered pairs among all model pairs.

E.2 Alternative Judge Results

Table 10 reports detailed evaluation results from three alternative judge models. The rows follow the ranking produced by the main Qwen3.6-27B judge. Overall, the rankings remain highly consistent across judges. The few ranking differences mostly occur between models with very close score rates. For example, Kimi K2.6 and Qwen3.6-Max-Preview differ by only 0.09% under the main judge, and GLM-5 and DeepSeek-V4-Flash differ by only 0.09%. This suggests that the remaining inconsistencies mainly come from near-tie cases rather than systematic judge disagreement.

Prompt

Your task is to review a dialogue and a rubric item, and score the assistant response according to how well it satisfies the rubric item.

Dialogue Content
{conversation}

Rubric Item
{rubric_item}

Instructions
Return a JSON object containing the following fields: `"explanation"` and `"criteria_met"`.

- The `"explanation"` field should be a string explaining whether the response satisfies the rubric item.

- The `"criteria_met"` field should be a Boolean value indicating whether the response satisfies the rubric item. If the rubric item contains multiple judging statements or requirements, all of them should be considered together. If any requirement is not satisfied, return `false`; return `true` only when all requirements are satisfied. In other words, `"criteria_met"` means whether the assistant response conforms to the description of the rubric item: `true` means it conforms, and `false` means it does not conform.

- Note: Judge strictly according to the rubric item. The assistant response must cover all requirements in the rubric item. If the relevant expression is too general, or if the match requires multi-step inference or excessive interpretation, it should be regarded as not satisfying the rubric item, and `"criteria_met"` should be `false`.

- Important exception: when the rubric item contains expressions such as "for example", "such as", or "including", the answer does not need to cover all listed examples to be regarded as satisfying the criterion. For example, if the rubric item requires "reminding the employee that terminating the labor contract requires prior notice to the employer (for example, 30-day written notice)", and the response only mentions that "terminating the labor contract usually requires prior notice to the employer", then the criterion may still be regarded as satisfied even if the response does not give the specific number of days or cover all listed examples.

Example 1
Suppose the dialogue is "User: I received a court summons. What should I do? Assistant: You do not need to care about it. Just do not attend the hearing." If the rubric item requires "telling the user to take the summons seriously and appear/respond on time or consult a lawyer promptly", then the following JSON should be returned:

```
{
"explanation": "The assistant did not tell the user to take the summons seriously and appear/respond on time or consult a
lawyer promptly.",
"criteria_met": false
}
```

Example 2
If the dialogue is "User: What should I say at the hearing? Assistant: You may state that you signed the contract and paid the fee, but the other party stopped providing services and cancelled the company, which constitutes a fundamental breach, so the tuition should be refunded." If the rubric item requires "providing a hearing statement framework that includes case facts (contract signing, payment, service suspension, cancellation), breach characterization (fundamental breach), and claims (termination of contract, refund of 7,980 yuan, payment of interest, and litigation costs)", then although the response covers the case facts and fundamental breach, it does not cover the claims such as "termination of contract, payment of interest, and litigation costs". The following JSON should be returned:

```
{
"explanation": "The assistant only covered contract signing, payment, service suspension, cancellation, and fundamental
breach, but did not clearly propose claims such as termination of contract, payment of interest, and litigation costs; some
requirements in the rubric item were not satisfied.",
"criteria_met": false
}
```

Example 3
Note that some rubric items may represent negative behaviors and have negative point values. In this case, the judge should still determine whether the item is satisfied, rather than evaluate whether the response is good.
For example, if the dialogue is "User: I was dismissed by my company for no reason. What should I do? Assistant: You can first collect evidence and consult labor arbitration or a lawyer, and avoid impulsive behavior", and the rubric item is "provides clearly wrong or misleading legal information" (this criterion itself is negative), then because the response is correct and does not satisfy the criterion, the following JSON should be returned:

```
{
"explanation": "The assistant did not provide clearly wrong or misleading legal information, so this criterion was not
triggered.",
"criteria_met": false
}
```

Another example: if the rubric item is "the expression is verbose", but the response is concise, then the criterion is not triggered, and the following JSON should be returned:

```
{
"explanation": "The response is concise, so it does not satisfy the criterion.",
"criteria_met": false
}
```

In other words, for negative criteria, a high-quality response should be judged as `false` (not satisfied). Only when the response actually contains the problem should it be judged as `true`.

Detailed Explanation of Negative Criteria
First, the principle for judging `"criteria_met"` is whether the assistant response matches the description of the rubric item. If it matches, return `true`; if it does not match, return `false`.
Second, for a negative criterion, matching the negative criterion means that the response is poor and should be penalized. The description of a negative criterion may also mention conditions that a high-quality response should satisfy, but these are only used to explain the source of the negative criterion. The judgment should still be based on whether the assistant response matches the negative description. If it matches, `"criteria_met"` should be `true` and this response should receive a penalty for this item. If it does not match, `"criteria_met"` should be `false` and no penalty should be applied for this item.
In other words, for a negative criterion, the key question is whether the assistant response contains the negative problem. A negative criterion may mention features that a high-quality response should have, but these features only explain the source of the problem and should not be used as the basis for judgment. During evaluation, focus only on whether the response triggers the negative behavior or defect. If the response contains the negative problem, `"criteria_met"` is `true` (meaning the problem is triggered and points should be deducted). If the response does not contain the problem, `"criteria_met"` is `false` (meaning the problem is not triggered and no points should be deducted).
Finally, this rubric item {direction} a negative criterion.

Final Instruction
Return only the JSON object in Markdown format. The response must not contain any other text.

Table 8: Judge prompt template for rubric-level evaluation. (Translated from Chinese)

Criterion	Point	Dimension	Met	Explanation
Cites Article 215 of the Criminal Law and points out that the object of this crime is the registered trademark mark itself rather than the goods using the mark.	9	Legal Accuracy	true	The assistant cited Article 215 of the Criminal Law and clearly pointed out that the object of this crime is the registered trademark mark itself rather than the goods using the mark, satisfying the rubric item.
Identifies Zhang Mozhu's conduct of customizing and printing trademark marks as directly acting on registered trademark marks, and identifies Shu Moliang's conduct of mailing counterfeit cigarettes and Lei Mochang's conduct of organizing the production of counterfeit and inferior cigarettes as directly acting on goods, thereby distinguishing the difference between the two in legal nature.	9	Reasoning and Logic	true	The assistant clearly identified Zhang Mozhu's conduct of customizing and printing trademark marks as directly acting on registered trademark marks, and identified Shu Moliang's conduct of mailing counterfeit cigarettes and Lei Mochang's conduct of organizing the production of counterfeit and inferior cigarettes as directly acting on goods. It distinguished the difference between the two in legal nature on this basis, satisfying the rubric item.
Clearly concludes that neither Shu Moliang nor Lei Mochang constitutes the crime of illegally manufacturing or selling illegally manufactured registered trademark marks. Conditional conclusions such as "if ..., then they constitute the crime" do not satisfy this requirement.	7	Task Compliance	true	The assistant clearly stated that the conduct of Shu Moliang and Lei Mochang is usually not treated as the crime of "illegally manufacturing or selling illegally manufactured registered trademark marks", and directly pointed out in the conclusion that, based on the existing description, they do not constitute this crime, satisfying the rubric item.
Points out that the conduct of Shu Moliang and Lei Mochang may be suspected of the crime of producing or selling counterfeit and inferior products (Article 140 of the Criminal Law) or the crime of counterfeiting registered trademarks (Article 213 of the Criminal Law). Satisfying either one is sufficient for the score.	7	Completeness	false	The assistant's response did not clearly point out that the conduct of Shu Moliang and Lei Mochang may be suspected of the crime of producing or selling counterfeit and inferior products or the crime of counterfeiting registered trademarks. It only analyzed that they do not constitute the crime of illegally manufacturing or selling illegally manufactured registered trademark marks, and mentioned that their conduct is more consistent with the evaluation path of crimes related to producing or selling counterfeit and inferior products or counterfeiting registered trademarks. However, it did not directly state that they may be suspected of the above crimes, so it does not satisfy the rubric item.
The answer structure contains the following three parts: first, explaining the constitutive elements of Article 215 of the Criminal Law; second, analyzing the specific conduct of Shu Moliang and Lei Mochang; third, giving a clear conclusion.	6	Clarity and Structure	true	The assistant's response included an explanation of the constitutive elements of Article 215 of the Criminal Law (stating that the object of this crime is the registered trademark mark itself and distinguishing it from the crime of counterfeiting registered trademarks), analyzed the specific conduct of Shu Moliang and Lei Mochang (pointing out that they mainly engaged in the production, mailing, and sale of counterfeit and inferior cigarettes, and that they were different from the actor directly involved in illegally manufacturing trademark marks), and gave a clear conclusion (usually they do not constitute this crime unless supplementary evidence proves that they participated in illegally manufacturing or trading trademark marks). All three parts were covered, satisfying the rubric item.

Table 9: A judge-output example. Each row corresponds to one atomic rubric item. (Translated from Chinese)

Model	GLM-5.1 Judge				Kimi K2.6 Judge				GPT-5 Judge			
	Consult.	Exam	All	Rank	Consult.	Exam	All	Rank	Consult.	Exam	All	Rank
Kimi K2.6	71.36	78.03	73.17	2	65.28	74.70	67.84	1	70.49	77.14	72.29	1
Qwen3.6-Max-Preview	72.09	77.53	73.57	1	63.90	73.12	66.40	2	70.47	75.55	71.85	2
Qwen3-Max	69.42	79.13	72.05	3	61.12	74.09	64.64	3	69.00	78.54	71.59	3
Kimi K2.5	68.53	77.64	71.00	4	60.76	73.14	64.12	4	68.09	77.06	70.52	4
GLM-5.1	65.06	70.95	66.65	5	58.23	67.88	60.85	5	63.14	71.25	65.34	6
Claude Sonnet 4.6	66.72	64.28	66.06	6	61.64	56.47	60.24	6	69.44	65.93	68.49	5
Qwen3.5-397B-A17B	63.02	69.14	64.68	7	56.61	66.17	59.20	7	63.57	69.30	65.12	7
LegalOne-8B	61.98	69.30	63.96	8	53.14	61.97	55.54	8	62.12	68.35	63.81	8
GLM-5	57.87	67.98	60.61	10	50.45	62.95	53.84	10	57.92	66.66	60.29	9
DeepSeek-V4-Flash	60.34	61.40	60.63	9	54.02	55.77	54.49	9	59.61	59.43	59.56	10
DeepSeek-V4-Pro	55.08	69.73	59.05	11	49.11	64.91	53.40	11	54.53	69.77	58.66	11
DeepSeek-V3.2	52.18	67.51	56.33	12	44.23	61.64	48.95	12	54.84	67.64	58.31	12
DeepSeek-R1	54.41	59.21	55.71	13	44.86	51.44	46.64	13	55.80	60.28	57.01	13
GPT-5.2	55.32	47.29	53.14	14	48.13	42.34	46.56	14	56.24	50.63	54.72	14
Farui-Plus	10.49	19.19	12.85	15	6.32	13.80	8.35	15	17.05	24.90	19.18	15
LawLLM-7B	5.36	10.33	6.71	16	1.98	6.65	3.25	16	9.91	12.98	10.74	16
SaulLM-54B-Instruct	4.59	5.37	4.80	17	1.42	1.52	1.45	17	10.69	9.12	10.27	17
Saul-7B-Instruct	2.66	2.68	2.67	18	-0.10	0.02	-0.07	18	6.43	5.03	6.05	18

Table 10: Detailed evaluation results from three alternative judge models. All score values are score rates (%).