

1. **Injecting domain knowledge during continual training:** This involves adding domain-specific data to the LLM's training dataset. This can be done by manually curating a dataset of domain-specific documents, or by using a technique called "distant supervision" to automatically label data from the general-purpose dataset as being relevant to the domain.
2. **Designing proper supervised finetune tasks:** This involves training the LLM on a set of tasks that are specific to the domain. These tasks can be designed to help the LLM learn how to use its domain knowledge to solve problems.

LLaMA = Large Language Model Meta AI

Lawyer LLaMA Technical Report

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BELLE is a specific version of LLaMA that has been pre-trained on a Chinese corpus. This corpus includes text from a variety of sources, such as news articles, books, and code repositories. The model is trained to predict the next word in a sequence, and this helps it to learn the statistical relationships between words in the Chinese language.

Abstract

Large Language Models (LLMs), like LLaMA, have exhibited remarkable performances across various tasks. Nevertheless, when deployed to specific domains such as law or medicine, the models still confront the challenge of a deficiency in domain-specific knowledge and an inadequate capability to leverage that knowledge to resolve domain-related problems. In this paper, we focus on the **legal domain and explore how to inject domain knowledge during the continual training stage and how to design proper supervised finetune tasks to help the model tackle practical issues**. Moreover, to alleviate the hallucination problem during model's generation, we add **a retrieval module and extract relevant articles before the model answers any queries**. Augmenting with the extracted evidence, our model could generate more reliable responses. We release our data and model at <https://github.com/AndrewZhe/lawyer-llama>.

1 Introduction

Enhancing open-source large language models with instruction tuning, models such as Vicunna (Chiang et al., 2023) and ChatGLM (Zeng et al., 2023) have achieved remarkable performance in various general tasks. However, due to the lack of data and improper training paradigm, adapting large language models (LLMs) to specific domains like legal or medical domains remains a challenging task. On one hand, current LLMs are primarily trained on general corpora such as Common Crawl and Wikipedia, with limited exposure to domain-specific resources. Therefore, they lack the necessary knowledge required for specific domains. On the other hand, the strategy to analyze and solve domain-specific tasks might diverge significantly from what the model has required within general domains. Even if the model could access all the

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Figure 1: Comparison between LLaMA continually trained only on general Chinese Corpus (BELLE) and our Lawyer LLaMA which is specially designed for the legal domain. It can be seen that BELLE lacks domain-specific knowledge, like *legal age of marriage*. What's more, even if the necessary knowledge, like the specific law article is given, the original LLaMA still cannot use it to solve a practical problem. See English translations in Figure 4.

knowledge within a domain, applying them to solve practical problems remains a formidable undertaking. In this paper, we focus on the legal domain to explore how to adapt LLMs to specific domains. We will discuss the potential challenges and corresponding solutions to them.

Figure 1 shows the responses of LLaMA pre-trained on the general corpus (BELLE) and our Lawyer LLaMA which is designed to solve legal issues. For Question A, the right answer is what Lawyer LLaMA provides, that the legal age of marriage is 22 for men and 20 for women. Obviously, BELLE lacks such domain-specific knowledge and

can only answer 18, which is the age with full civil capacity. **What general LLMs lack is not only the knowledge but also the method to use them to solve domain-specific problems.** For example, in Question B, even if the necessary law article is provided, BELLE cannot figure out the most important/relevant part to the user’s query that the wife gave birth less than a year ago and thus the husband is not allowed to file for divorce at this time.

The poor performance of BELLE indicates the LLMs pre-trained in the general domain cannot be applied directly to solve legal problems. For large models to be applied in the field of law, they need to possess the following three capabilities: **1. Convey accurate/precise meaning without ambiguity.** In the legal domain, just replacing a single word could influence the establishment of legal relationships and obligations, potentially leading to dramatically different consequences. For example, the words *deposit* (定金) and *down payment* (订金) in Chinese are only different by one character, but their meanings and legal effects are completely different in contract law. **2. Understand and distinguish legal terminology.** There are many concepts that only appear in the legal domain, like *juridical person* (法人). Even for widely used words, their meanings could be slightly different in the legal domain. For example, the word *wife* does not necessarily imply a legally recognized and protected marital relationship in daily life, but in the specific field of law, when referring to *wife*, it definitely implies a lawful marital relationship. **3. Be able to analyze practical cases.** Real-world scenarios are always complex and varied. Models need to have the ability to identify legal terminology and apply legal theories to analyze specific issues.

To build a model that can apply legal knowledge correctly and solve practical problems in the legal domain, we adopt the following four steps, based on the LLaMA model (Touvron et al., 2023):

- 1. Injecting Legal Knowledge:** We collect a large amount of raw text in the legal domain, such as law articles, judicial interpretations, and judicial documents of the People’s Court of China. We then apply continue-training to help the model learn legal knowledge.
- 2. Training to Learn Domain-specific Skills:** The ability to use domain knowledge could be learned when solving practical tasks, such as concept interpretation, case analysis and legal

consultation. Therefore, we collect a set of real queries of those tasks and generate corresponding answers using ChatGPT¹. Then we do supervised finetuning using these data to teach the model how to solve domain-specific tasks with proper knowledge.

- 3. Augmenting with External Knowledge:** To alleviate the hallucination problem in large language models and to enable the model to generate more accurate and faithful replies, we additionally introduce an information retrieval module. **Before generating each response, we first utilize the user’s query and context information to retrieve relevant law articles that can serve as evidence to the query, and then base our responses on these law articles.**

2 Data Collection

2.1 Pre-training Corpus

To improve model performance on Chinese legal consultation, we employ two kinds of corpora to continually pre-train the LLaMA model (Touvron et al., 2023). We **first train the model on a general multilingual corpus to enhance its ability to represent Chinese.** We then **use a Chinese legal corpus to augment the model with legal** knowledge.

Multilingual General Corpus Since LLaMA has been pre-trained mainly on a corpus of English and other languages using either the Latin or Cyrillic scripts, it may have an imperfect performance to comprehend and to generate Chinese sentences. For example, we find that the original LLaMA always generates English responses to Chinese queries, and the responses might also be irrelevant. We, therefore, continually pre-train LLaMA on the Chinese general corpus. Following previous works (d’Autume et al., 2019; Tao et al., 2023), we also collect English corpus for memory replay to avoid catastrophic forgetting.

To construct the Chinese general corpus, we sample articles from **WuDaoCorpora** (Yuan et al., 2021), **CLUECorpus2020** (Xu et al., 2020b), and the Simplified Chinese edition of **Wikipedia**. For the English general corpus, we sample articles from **C4 Corpus** (Raffel et al., 2020).

Chinese Legal Corpus Previous work (Lee et al., 2019) reveals that language models can leverage

¹<https://chat.openai.com/>

The use of a domain-specific corpus can also help reduce the risk of the model generating unreliable or incorrect responses, which is a common problem in language models known as “hallucination”.

knowledge learned from a domain-specific corpus. And such models can handle tasks in the corresponding domain better than the models pre-trained with general corpus only. To augment our model with Chinese legal knowledge, we collect articles from the websites of China Courts, including judgment documents, law articles, judicial interpretations, court news, and various articles for law popularization.

2.2 National Judicial Examination

National Judicial Examination is a closed-book exam that applicants must pass to be certified as a lawyer or a judge. It is a comprehensive evaluation of legal knowledge and professional skills for legal practitioners, thus a model could learn legal skills through practicing on the questions from such exams. We use JEC-QA (Zhong et al., 2020a) to construct our data. JEC-QA includes 26,365 multiple-choice and multiple-answer questions but it does not contain any explanations for the answers. In order to provide more detailed evidence and reasoning procedures on how to solve such problems, we ask the ChatGPT to give an explanation for every answer. Below shows an example from our collected data. See the English translation in Table 4.

Question: 关于交通肇事罪与其他犯罪关系的论述, 下列选项是正确的吗? 丁酒后驾驶交通肇事后, 继续驾车到处冲撞, 造成五死九伤, 应定交通肇事罪。

Response: 根据《中华人民共和国刑法》规定, 醉酒后驾驶机动车辆, 发生重大交通事故, 构成交通肇事罪。丁酒后驾驶发生交通事故, 已经构成交通肇事罪。但是, 丁继续驾车到处冲撞, 造成五死九伤, 已经超出了交通肇事罪的范畴, 应当认定为危害公共安全罪。因此, 丁应当被定罪为危害公共安全罪, 而不是交通肇事罪。

2.3 Legal Consultation

We sample seed questions from an open-source dataset of legal consultation (Chen, 2018) and use ChatGPT to generate responses. We collect both one-turn responses and multi-turn dialogues with well-crafted prompts. To improve the faithfulness of generated responses, we adopt a law article retrieval component to search related law articles for a given question. The retrieved law articles are appended to the input prompt, helping ChatGPT to generate more faithful responses.

One-turn Responses To generate the response to a legal consultation question, we ask ChatGPT to act as a lawyer and respond to a client. In the input prompt, we list six requirements that the generated responses should meet: (1) properly citing law articles, (2) giving well-founded analyses based on the facts of the case and law articles, (3) responding comprehensively and analyzing the potential possibilities, (4) asking appropriate questions to dig out facts to assist in further answers, (5) using plain language, (6) giving preliminary legal opinions and consulting conclusions.

In the following example (see the English translation in Table 5), ChatGPT generates a response to a question regarding the legal age of marriage. It cites a law article in Marriage Law of the People's Republic of China and indicates several special circumstances.

Question: 我和我对象想结婚, 我想问一下, 结婚的法定婚龄是几岁啊

Response: 根据《中华人民共和国婚姻法》规定, 男女结婚的法定婚龄为男满22周岁, 女满20周岁。未达到法定婚龄的人不得结婚。但有特殊情况的可以提前结婚, 需要得到父母或者监护人的书面同意, 并经当地婚姻登记机关审查批准。

Multi-turn Dialogues To generate multi-turn dialogues for a legal consultation question, we design two different prompts, asking ChatGPT to act as a client and as a lawyer, respectively. We use these two prompts alternately, together with the dialogue history, as the input to ChatGPT.

In the following example (English translation in Table 6), the client gives a follow-up question on the marriage procedure after the first response from the lawyer, actively participating in the conversation.

Client: 我和我对象想结婚, 我想问一下, 结婚的法定婚龄是几岁啊

Lawyer: 根据中华人民共和国婚姻法, 男女都要满22周岁才可以结婚, 不足22周岁的男女不得自行结婚。但是, 如果特殊情况需要提前结婚, 可以向婚姻登记机关提出申请审核。如果您有其他方面的疑问, 也可以告诉我, 我可以帮您进行解答。如果您有其他方面的疑问, 也可以告诉我, 我可以帮您进行解答。

Client: 我知道, 听别人说婚姻需要提前办理一些手续, 那我需要准备哪些证件和资料呢? 是否需要提前办理健康检查和体检?

Lawyer: 是的, 婚姻登记需要您准备一些证件和资

料, 包括: ...

Retrieval Augmented Generation We observe that ChatGPT tends to provide law articles that are outdated, or do not exist at all when generating responses, a phenomenon known as **hallucination** (Ji et al., 2023b). We attempt to alleviate this problem by providing related law articles to ChatGPT. For a one-turn response, we append the top 3 related law articles selected by a law article retrieval model to the input prompt. For a multi-turn dialogue, we assume that the topic of the conversation will not change and use the same 3 law articles across the dialogue. We will explore strategies to dynamically retrieve related law articles during each turn of the dialogue.

In the following example (English translation in Table 7), we retrieve 3 law articles to facilitate a more faithful generation. Note that two of them are irrelevant to the consultation and ChatGPT is able to ignore them in its response.

Related Articles: 《民法典》第一千零四十七条: 结婚年龄, 男不得早于二十二周岁, 女不得早于二十周岁。

《民法典》第一千零四十六条: 结婚应当男女双方完全自愿, 禁止任何一方对另一方加以强迫, 禁止任何组织或者个人加以干涉。

《民法典》第三百零四条: 共有人可以协商确定分割方式。达不成协议...

Client: 我和我对象想结婚, 我想问一下, 结婚的法定婚龄是几岁啊

Laywer: 根据《民法典》第一千零四十七条规定, 结婚的法定婚龄为男不得早于22周岁, 女不得早于20周岁。如果未到法定结婚年龄而坚持结婚, 将被认定为无效婚姻。

请问您和您的对象的年龄是否已达到法定婚龄? 如果未达到, 建议您等待至法定婚龄再考虑结婚的问题。

Client: 我们都满足法定结婚年龄了, 但是我们的家长反对, 他们说我们还太年轻, 不应该急于结婚, 你怎么看?

Laywer: 根据《民法典》第一千零四十六条规定, 结婚应当男女双方完全自愿, 禁止任何一方对另一方加以强迫, 禁止任何组织或者个人加以干涉。因此, 如果您和您的对象完全自愿并且已达到法定结婚年龄, 您可以合法结婚, 即使家长反对。当然, 作为尊重家长、保持良好亲情关系的一种方式, 可以尝试与家长沟通, 了解其反对的原因, 并考虑如何解决其关注的问题。如果家长反对并不合理, 您和您的对象有权利自主决定。

In total, we collect about 16,000 one-turn responses and 5,000 dialogues with 2 or 3 turns.

3 Training Process

Figure 3 illustrates how we fine-tune the open-source model LLaMA step by step to make it suitable for the Chinese legal domain.

Due to the scarce Chinese text that LLaMA used during its training process, our initial task is to enhance LLaMA’s ability to comprehend Chinese (s_1 in Figure 3). Then, we supplement the model with the legal knowledge in Chinese that it lacks (s_4 in Figure 3), and teach the model to use the knowledge to solve practical problems through downstream tasks like case analysis (s_7 in Figure 3). Finally, to further improve the reliability of the model’s responses, we introduce a law article retrieval module, enabling the model to generate responses with evidence (s_{12} in Figure 3).

3.1 Enhancing LLaMA’s Ability in Chinese

To improve the comprehension and generation ability in Chinese, we continually pre-train LLaMA on the Chinese General Corpus introduced in Section 2.1. The first problem we meet is that many Chinese characters are not included in the vocabulary of LLaMA. Actually, only 700 Chinese characters are included and LLaMA uses bytes to decompose other Chinese characters in UTF-8 encoding. To improve the decoding efficiency of Chinese sentences, Cui et al. (2023) expand the vocabulary by adding common Chinese characters and re-training these newly added word embeddings along with the model parameters. However, our prior study shows that expanding the vocabulary does not seem to bring further improvement on downstream Chinese NLU tasks. We therefore choose to keep LLaMA’s vocabulary unchanged during the training. Another question is whether we should continue pre-training on Chinese corpus solely, or we should also add texts in English. We decide to use a mixture corpus of both English and Chinese, because we believe many complex reasoning abilities may come from the pre-training on English and we expect the model to keep them during our continual pre-training. Please refer to Section 2.1 for detailed information about the training data.

The deficiency of legal knowledge in the LLaMA model means that the model lacks the necessary information and understanding of the legal domain to effectively tackle legal-related problems.

Overfitting refers to a situation where a model becomes too specialized in a particular domain or dataset, making it less effective in handling new or unseen data.

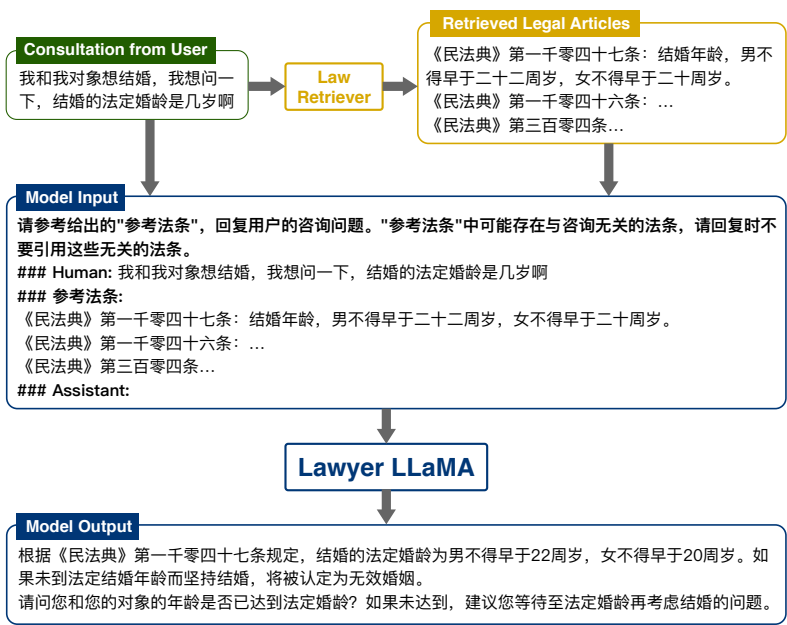


Figure 2: An illustration of the inference process of Lawyer LLaMA. See the English translations in Figure 5.

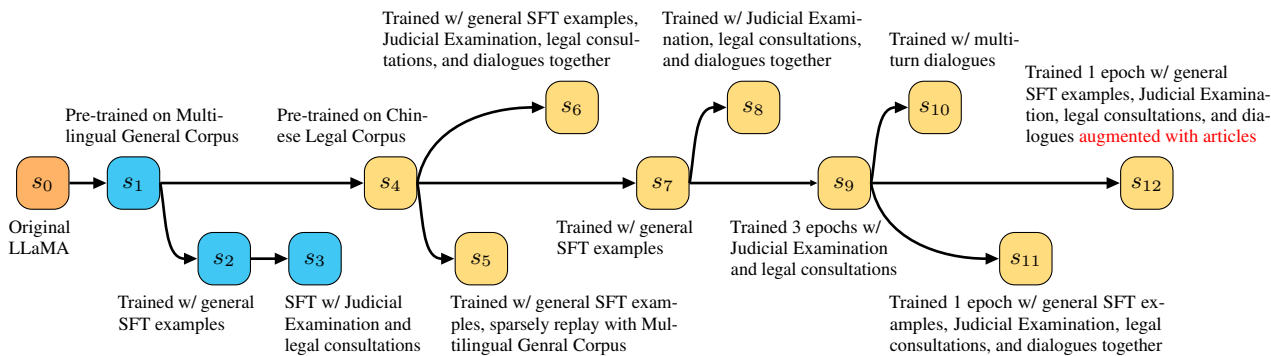


Figure 3: The training process of Lawyer LLaMA, where each node s_i represents the i -th training stage.

3.2 Injecting Legal Knowledge

To make up for the **deficiency** of legal knowledge in the original LLaMA model, we collect a variety of plain Chinese texts in the legal domain, including law articles and judicial interpretations, for further continual training. We also add general texts to prevent our model from **overfitting** the legal corpus.

3.3 Learning Reasoning Skills

Solving practical problems requires the model to have reasoning skills in the legal domain. To this end, **we select supervised data from downstream tasks and train our model following the instruction-tuning method**. We collect question-answer pairs about distinguishing terminologies and **case analysis from JEC-QA**, and ask the ChatGPT to provide **detailed explanations for them**. During training, the QA pairs are treated as instructions and our model is required to give explanations. Furthermore, we

collect a set of queries that real-world users consulted with lawyers from **Chen (2018)**, and obtain corresponding responses through ChatGPT. Then we use the collected supervised data to train the model in providing proper responses to specific queries.

3.4 Retrieving Relevant Law Articles

As China is a country adopting the civil law, law articles are necessary whenever a judge makes a judgment or a lawyer gives advice. However, our preliminary experiment shows that even if the model repeatedly learns the articles during its continual training phase, it cannot use them correctly when generating a response. It might refer to an irrelevant law article or it may replace a terminology with a semantically similar word that actually has a drastically different meaning in the legal domain. To make the model produce more reliable responses,

RoBERTa is a language model used for training a law article retrieval model. It is a variant of the BERT model, which stands for Bidirectional Encoder Representations from Transformers. RoBERTa is pre-trained on a large corpus of text data and fine-tuned for specific tasks.

we incorporate it with a law article retrieval module.

To train the retrieval module, we first collect some user questions for legal consultation and ask legal professionals to annotate up to 3 necessary law articles to answer each question. We then train a law article retrieval model based on RoBERTa (Liu et al., 2019). It could achieve 0.85 Recall@1 and 0.94 Recall@5 on the held-out testing set. In fact, law article classification is not a new task. Previous works (Zhong et al., 2020b, 2018) predict the necessary law articles for judgment based on the fact descriptions in judicial documents. We do not directly adopt such classifiers because there is a huge gap between the fact descriptions in judicial documents and user queries in daily life. Fact descriptions are formal and well-written, encompassing the complete cause, process, and outcome of an incident. However, user queries are colloquially posed and contain only limited, incomplete information, such as "I want a divorce, what should I do?". Thus, the classifiers trained on fact descriptions cannot perform well in practical scenarios.

When we directly concatenate the retrieved law articles and the user's question as new input, we find that the model tends to quote all the provided law articles in its response, without distinguishing whether they were truly relevant to the current scenario. Given that our law article retrieval module cannot guarantee all retrieved articles are highly relevant to the user's question, this behavior of the model will introduce more noise. To address this problem, we add irrelevant articles to the context during training, forcing the model to ignore that distracted information. Besides, we modify the prompt during inference, and explicitly inform the model that there might be irrelevant information among the provided law articles, for example, "There may be irrelevant articles in the reference articles, so please avoid quoting those unrelated articles when replying.."

4 Experiments

Lawyer LLaMA is a generative dialogue model, like ChatGPT and ChatGLM. Such a large language model cannot only respond to dialogue queries from humans, but can also handle many NLP tasks like text classification, and multiple-choice question answering. To evaluate the zero-shot performance of our Lawyer LLaMA at dif-

ferent training stages, we transfer every employed task to a multiple-choice task. The model can then predict by choosing a text with the lowest perplexity, without any fine-tuning on specific tasks. Our experiments are based on LLaMA-7B.

4.1 Evaluation on General Tasks

We first wonder how the ability to solve general NLP tasks of LLaMA changes, when we continuously train it on different corpora or with different supervised-fine-tuning datasets. For example, we can examine whether or not the model performance of English reasoning tasks will deteriorate after continually pre-trained on Chinese corpora.

Following previous work (Biderman et al., 2023), we collect both English and Chinese general tasks of various domains, including natural language inference, sentiment analysis, commonsense reasoning, dialogue question answering, etc.

The results are shown in the left part of Table 1. Comparing the results of s_0 and s_1 , we can find LLaMA obtain an improvement of +5.3% accuracy on C3 (Sun et al., 2020), a Chinese question answering dataset, after continually pre-trained on Multilingual General Corpus. When we focus on English commonsense reasoning, the model performance on SciQ (Welbl et al., 2017) and PIQA (Bisk et al., 2020) at s_1 is also not worse than that at s_0 . It shows that pre-training on Multilingual General Corpus can enhance the model to represent Chinese, without sacrificing its ability to represent English.

We then compare the results of CMNLI (Xu et al., 2020a) of s_2 and s_3 , s_7 and $s_9/s_8/s_6$. We can find the model at $s_3/s_9/s_8/s_6$, which are fine-tuned with Judicial Examination examples and legal consultations, can handle the Chinese NLI task better, with an improvement up to +9.3% accuracy. However, there are no CMNLI-style questions exist in our collected Judicial Examination examples and legal consultations. Thus, we guess the model may be able to further enhance its ability to comprehend and reason in Chinese via learning Judicial Examination instances and legal consultations.

Unfortunately, we also find the model fails to handle English NLI and sentiment analysis tasks. At all stages, the model can only output *Yes* for all MRPC examples (Dolan and Brockett, 2005). And when we continually train LLaMA, it cannot obtain obvious improvement for SST-2 (Socher et al., 2013). We guess it is because there are not

Zero-shot learning refers to the ability to complete a task without having received any training examples.

s_i	(1)	(2)	(3)	(4)	(5)	(6)	Chinese General Tasks			English General Tasks				Chinese Legal Tasks			
							C3	CMNLI	TNews	SciQ	PIQA	MRPC	SST-2	JE-C	JE-S	CAM	CAP
s_0							44.97	32.10	0.45	66.30	77.42	68.38	68.92	25.40	28.30	47.76	50.33
s_1	✿						50.29	32.23	6.46	66.80	77.53	68.38	51.95	26.50	28.10	10.00	32.80
s_2	✓		✿				53.14	32.83	6.81	71.30	78.18	68.38	61.24	28.10	28.25	12.76	52.00
s_3	✓		✓	✿			50.50	38.76	7.37	67.50	78.29	68.38	62.04	27.30	27.05	26.84	53.37
s_4	✓	✿					51.76	33.30	7.36	66.20	77.37	68.38	51.61	30.60	31.15	69.39	38.70
s_5	✿	✓	✿				51.68	32.85	6.86	71.20	78.02	68.38	61.12	28.50	28.90	82.14	52.67
s_6	✓	✓	✿	✿	✿		52.92	41.26	6.46	75.10	79.05	68.38	61.35	28.10	26.45	52.24	50.80
s_7	✓	✓	✿				53.28	34.57	7.91	72.30	78.07	68.38	68.92	29.30	31.15	73.88	53.17
s_8	✓	✓	✓	✿	✿		50.89	37.07	9.02	66.40	76.12	68.38	63.42	26.20	28.00	45.92	52.83
s_9	✓	✓	✓	✿			50.55	40.68	3.19	67.30	78.18	68.38	67.20	26.00	27.40	56.33	57.33
s_{10}	✓	✓	✓	✓	✿		52.12	41.36	3.78	69.80	78.13	68.38	66.74	26.90	27.90	54.18	55.97
s_{11}	✓	✓	✿	✿	✿		52.54	41.68	7.67	68.30	77.91	68.38	74.43	27.10	27.80	55.10	64.73
s_{12}	✓	✓	✿	✿		✿	53.51	40.23	7.78	69.90	77.37	68.38	67.78	29.00	28.20	60.10	61.10

Table 1: Model performance on various NLP tasks at different stages, where the details of each stage s_i can refer to Figure 3. And (1)~(6) represent the pre-training corpus or the supervised fine-tuning datasets employed to train Lawyer LLaMA at different stages. To be detailed, (1) for Multilingual General Corpus, (2) for Chinese Legal Corpus, (3) for General SFT Dataset, (4) for Judicial Examination and legal consultations, (5) for multi-turn legal dialogues, and (6) for multi-turn legal dialogues augmented with retrieved law articles. The *tick* (✓) means that the corresponding corpus/dataset has been used at the previous stage, while the *flower* (✿) means the corpus/dataset is employed for training at the current stage.

enough SFT examples of English NLI and sentiment analysis. Then the model cannot understand the instructions in the prompts of such a task.

4.2 Evaluation on Chinese Legal Tasks

Beyond handling general NLP tasks, we mainly concern with whether Lawyer LLaMA can learn legal knowledge and solve domain-specific tasks. Therefore, we construct several Chinese legal tasks to evaluate the domain-specific performance of our model.

We first create **multiple-choice tasks based on the objective questions of Chinese Judicial Examination (JE)**. For each question of JE, there are four human-written choices, among which one to four choices can be the correct answers. Since we evaluate zero-shot model performance, the model can select only one answer with the lowest perplexity. Therefore, we only evaluate the questions with one correct choice for the legal tasks. And these questions can be divided into two parts: **Concept Discrimination** and **Scenario Planning**, which are denoted as JE-C and JE-S.

Since our Chinese Legal Corpus and legal consultation datasets mainly focus on the Law of Marriage, we also examine Lawyer LLaMA’s ability to solve tasks about the Law of Marriage at every training stage. In this work, we collect judgment documents from the website of China Courts, and

design classification tasks: *to predict the causes of action for each document*. To reduce noise, we only select verdicts of the civil first-instance.

In this work, we collect 4,875 verdicts about marriage to construct a 4-class task (CAM), and 10K verdicts about property for a 10-class task (CAP). For more details, please refer to Appendix A.

We list the results of each Chinese legal task in Table 1. Compared with s_0 , continually pre-trained on Chinese Legal Corpus can bring the model at s_4 an improvement of more than +21.6% accuracy on CAM. It shows the model can learn knowledge about marriage from the Chinese Legal Corpus. However, we find at s_1 the model performance obviously deteriorates on CAM and CAP, after training on Multilingual General Corpus. Although results of C3 indicate the model at s_1 can represent Chinese text better than it at s_0 , it still loses the ability to comprehend judgment documents. We guess the tremendous pre-training corpus of LLaMA might contain a part of legal texts, and then the original LLaMA can handle simple legal classification tasks like CAM and CAP. But the texts in Multilingual General Corpus are mainly news and Wikipedia pages, which belong to a different domain from legal texts.

Comparing the results of JE-C and JE-S at $s_0/s_4/s_7$, we find that training LLaMA with Chi-

Question 1: 什么是夫妻共同财产

BELLE: 夫妻共同财产是指夫妻在婚姻关系中取得的任何财产, 包括但不限于工资、奖金、股票、房产等。

ChatGLM: 夫妻共同财产是指夫妻双方在婚姻期间共同积累的财产, 包括夫妻共同居住的房屋、共同拥有的财产、共同支付的工资、奖金等收入, 以及共同承担的债务等。根据中国法律, 夫妻共同财产是夫妻双方在婚姻期间共同积累的财产, 除非有特别约定, 否则属于夫妻共同财产。在离婚时, 夫妻共同财产应当平等分割。夫妻共同财产的分割比例由夫妻双方协商确定, 如果无法协商, 则按照下列比例分割: (一)妻子获得财产的比例应当低于丈夫; (二)妻子获得财产的比例应当低于丈夫获得财产的比例; ...

Lawyer LLaMA: 夫妻共同财产是指夫妻在婚姻关系存续期间所得的工资、奖金、劳务报酬、生产、经营、投资的收益、知识产权的收益、继承或者受赠的财产等, 以及其他应当归共同所有的财产。根据《民法典》第一千零六十二条规定, 夫妻共同财产归夫妻共同所有, 夫妻对共同财产有平等的处理权。因此, 夫妻共同财产是夫妻共同所有, 夫妻双方都有权享有和管理。

Question 2: 离婚和无效婚姻的区别

BELLE: 离婚和无效婚姻的区别在于, 离婚是指夫妻关系已经结束, 而无效婚姻是指夫妻关系从未存在过。

ChatGLM: 离婚和无效婚姻是指在婚姻制度中的两种不同状态。离婚是指婚姻关系已经无效或被撤销, 双方可以通过法律程序结束婚姻关系。离婚的效力取决于婚姻无效的原因, 如果婚姻无效是因为双方没有感情或没有按照法律规定结婚, 那么离婚就是有效的。如果婚姻无效是因为婚姻本身存在问题, 例如违反了法律规定或没有感情, 那么离婚就无效。无效婚姻是指婚姻关系没有依法成立, 或者依法成立的婚姻关系本身存在缺陷。无效婚姻的效力取决于婚姻无效的原因。如果婚姻无效是因为双方没有感情或没有按照法律规定结婚, 那么婚姻就是无效的。如果婚姻无效是因为婚姻本身存在问题, 例如违反了法律规定或没有感情, 那么婚姻就是无效的。因此, 离婚和无效婚姻之间的区别在于婚姻的无效原因和婚姻的效力。离婚是婚姻关系已经无效或被撤销, 而无效婚姻是指婚姻关系没有依法成立或依法成立的婚姻关系本身存在缺陷。

Lawyer LLaMA: 离婚和无效婚姻是两种不同的情况。离婚是指夫妻双方自愿解除婚姻关系, 而无效婚姻是指在一定情况下, 婚姻关系从一开始就没有成立或被认定无效。根据《民法典》第一千零五十一条规定, 如果存在以下情形之一, 婚姻将被视为无效: 重婚、有禁止结婚的亲属关系、未到法定婚龄。如果婚姻被认定为无效, 那么夫妻双方并不具备夫妻的权利和义务, 也就不存在离婚的问题。而对于无效婚姻的财产处理, 根据《民法典》第一千零五十四条规定, 无效的或者被撤销的婚姻自始没有法律约束力, 同居期间所得的财产, 由当事人协议处理; 协议不成的, 由人民法院根据照顾无过错方的原则判决。同时, 对于重婚导致的无效婚姻的财产处理, 不得侵害合法婚姻当事人的财产权益。此外, 《民法典》第一千零六十三条规定了夫妻共同财产和个人财产的范围, 其中一方的婚前财产属于个人财产。因此, 如果婚姻被认定为无效, 夫妻双方的婚前财产仍属于各自所有。综上所述, 离婚和无效婚姻是两种不同的情况, 需要根据具体情况进行判断。如果您需要进一步了解相关法律问题, 建议您咨询专业律师。

Table 2: Case Study (Legal Concept). See the English translations in Table 8.

nese legal texts and general SFT examples can bring an improvement of more than +3.9% accuracy on JE-C and +2.85% accuracy on JE-S. It shows the model can handle legal tasks like Judicial Examination better after injecting legal knowledge. However, when the model is trained on SFT data with the form of dialogue, it seems to fail to solve Judicial Examination. We think it might be due to the dissimilarity between examination questions and consulting queries.

We compare the results of every stage comprehensively, we find the model at s_{12} can obviously outperform the model at s_0 on most tasks, with an improvement of +8.5% accuracy on C3, +8.1% on CMNLI, +3.6% on SciQ, +3.6% on JE-C, +12.3% on CAM, and +10.8% on CAP. It is also our best

automatic assistant to respond to multi-turn legal consultations, which generates all shown cases in this paper.

5 Case study

We provide several output samples from **BELLE** (Ji et al., 2023a), **ChatGLM** (Du et al., 2022) and our Lawyer LLaMA. We test the understanding of legal concepts (Table 2) and the ability to answer legal consultations (Table 3) of different models.

5.1 Legal Concepts

Understanding legal concepts is a prerequisite for solving practical legal problems. We compare the models’ abilities to explain and distinguish between legal terms.

We first ask three models to explain the concept *community property* (夫妻共同财产) in Question 1 of Table 2. BELLE has a basic understanding of this term but its interpretation is imprecise, such as the expression *any property* (任何财产). ChatGLM wrongly treats the *joint debt* (共同债务) as a type of joint property. It even talks nonsense about how the joint property is divided. By contrast, our model appropriately cites the related legal articles and concisely explains the concept.

We further ask the three models to distinguish between two similar concepts, *divorce* (离婚) and *void marriage* (无效婚姻) in Question 2 of Table 2. Both BELLE and ChatGLM misunderstand the legal concept *divorce* and give wrong explanations. Another problem with BELLE is that its response is too colloquial and may lead to ambiguity, such as the expression *never existed* (从未存在过). On the contrary, our model uses accurate expressions and comprehensively answers the question with related legal articles.

The above two examples demonstrate that Lawyer LLaMA is capable of understanding and distinguishing legal terminologies, thanks to the injection of legal knowledge by continual pre-training.

5.2 Legal Consultations

An important objective of large pre-trained legal models is to use their legal knowledge to analyze practical cases under real-world scenarios. We compare the outputs of two legal cases from the three models.

Regarding Question 1 in Table 3, all three models give a detailed response. However, there are some logical problems in the outputs of BELLE and ChatGLM, such as the paragraphs about the child’s wishes. Our model’s output is more logically coherent and is supported by appropriately cited law articles.

Regarding Question 2 in Table 3, BELLE cites an irrelevant law article and ChatGLM confuses *void marriage* (无效婚姻) and *voidable marriage* (可撤销婚姻). Our model analyzes the case with related legal articles and gives practical advice.

In summary, the above two examples demonstrate that our model shows strong abilities to apply legal knowledge to solve real-world problems.

6 Conclusion

This paper proposes a method of applying LLMs to specific domains. First, the model needs to be pre-trained on a large amount of domain-related text to help the model learn the necessary knowledge. Then, we need to design domain-specific tasks and use supervised finetuning to teach the model how to solve practical problems. Finally, we find that a retrieval model which provides external evidence would be very helpful to alleviate the hallucination problem and improve the reliability of the model’s responses.

Ethics Statement

The purpose of this paper is to explore how large language models can be applied to specific domains, with the legal domain chosen as an example. However, it should be noted that the data we have collected has not been rigorously vetted and may contain erroneous content, which should be used with caution. More importantly, the output of our trained model is not professional legal advice and may include errors. If you need legal assistance, please seek help from professionals.

Question 1: 徐某（男）与李某（女）婚后育有一子（1岁半）、一女（8岁），两人准备离婚，都想争取孩子抚养权。徐某经济状况较好，工资收入是李某的数倍，认为自己胜券在握。李某虽收入不高，但女儿更愿意随其生活。

BELLE: 好的，根据你提供的信息，徐某和李某准备离婚，并且两人都想争取孩子抚养权。徐某的经济状况较好，工资收入是李某的数倍，他认为自己胜券在握。而李某虽然收入不高，但女儿更愿意随其生活。首先，我们需要了解在中国离婚案件中，孩子的抚养权通常是由法院决定的。法院会根据孩子的年龄、性别、父母的经济状况、父母的行为、父母之间的矛盾等因素来做出决定。在这个案例中，徐某的经济状况较好，但女儿更愿意随其生活。这意味着，如果徐某能够证明他能够提供更好的生活条件，法院可能会给他孩子的抚养权。然而，如果李某能够证明她能够提供更好的家庭环境，法院也可能给她孩子的抚养权。因此，在这个案例中，法院可能会考虑多种因素来做出决定，而孩子的意愿只是其中之一。

ChatGLM: 这个案例涉及到孩子抚养权的问题，需要考虑多个因素来做出决定。以下是一些分析和建议：

1. 孩子的年龄和需求：孩子在不同的年龄段有不同的需求和特点。1岁半的孩子通常需要关注他们的日常生活，如饮食、睡眠、安全等。8岁的孩子已经进入了青春期，需要更多的关注和支持，以帮助他们发展社交技能和情感健康。因此，抚养权的归属需要考虑孩子的需求和年龄。
2. 孩子的抚养权归属需要考虑父母之间的差异：徐某和李某的收入和职业背景差异可能会对抚养权的归属产生影响。但更重要的是，孩子应该由最适合他们的人抚养。因此，需要比较双方的性格、习惯、教育方式、家庭环境等因素，以确定谁更适合抚养孩子。
3. 孩子的意愿：尽管李某的女儿更愿意随其生活，但这并不代表孩子本人会同意跟徐某生活。因此，抚养权的归属需要考虑孩子的意愿和意愿。如果孩子愿意跟李某生活，那么这可能会更有利于孩子的健康成长。
4. 法律因素：根据中国的法律，孩子的抚养权应该根据有利于孩子成长的原则进行裁决。这意味着，徐某的经济状况可能会对抚养权的归属产生影响。但是，最终裁决的应该是法律程序，而不是个人意见。

综合以上因素，如果徐某的经济状况更好，并且孩子更愿意跟李某生活，那么李某可能会获得孩子的抚养权。但最终结果还需要根据法律程序来裁决，因此，建议双方在法律框架内进行沟通和协商，以达成一个最好的解决方案。

Lawyer LLaMA: 根据《中华人民共和国婚姻法》的规定，子女抚养权的判决应当以未成年子女的利益为出发点，综合考虑父母的经济条件、身体情况、家庭环境等情况，最终确定抚养人。因此，在本案中，法院会综合考虑双方的经济能力、工作时间、居住环境等因素来判断抚养权归属问题。

首先，徐某的经济条件好，收入水平较高，可以为孩子的成长提供更好的物质条件。但是，如果李某能够证明自己有更好的照顾孩子的能力，或者孩子的身心健康需要由她来照顾，那么她也有可能获得抚养权。

其次，女儿年龄较大，已经八岁，对于她的意愿也应该有所考虑。如果女儿表示愿意随母亲生活，法院也会考虑到这一因素。

综上所述，在本案中，法院会综合考虑双方的经济能力、照顾孩子的能力、女儿的意愿等因素来判决抚养权归属问题。建议双方积极沟通协商，尽量达成一致意见，并在法律程序中维护自己的合法权益。

Question 2: 21岁女子甲与25岁男子乙在网上聊天后产生好感，乙将甲发给其的私密照片保存。后乙要求与甲结婚，甲不同意。乙威胁要公布其照片，甲只好同意结婚并办理了登记。甲是否可以自婚姻登记之日起1年内请求撤销该婚姻？

BELLE: 根据《中华人民共和国婚姻法》规定，婚姻登记满一年后，双方可以提出离婚，但需要满足一定的条件。因此，甲可以在婚姻登记一年后申请离婚。

ChatGLM: 根据中国《婚姻法》的规定，婚姻关系是自婚姻开始时即存在的，非经法定程序而不能消灭。婚姻无效的原因有：(一)重婚的；(二)有禁止结婚的疾病而结婚无效的；(三)因胁迫而结婚无效的；(四)自始没有感情而结婚无效的；(五)因欺诈而结婚无效的。婚姻无效、可依法撤销。甲可以自婚姻登记之日起1年内向当地人民法院提起撤销婚姻的诉讼。

Lawyer LLaMA: 依据《民法典》第一千零五十二条规定，因胁迫结婚的，受胁迫的一方可以向人民法院请求撤销婚姻。因此，如果甲是在受到胁迫的情况下同意结婚的，那么甲可以在自婚姻登记之日起一年内向人民法院请求撤销婚姻。但是，需要进一步了解的是，是否存在胁迫的情况，以及胁迫的方式和手段等。

另外，根据《民法典》第一千零四十六条规定，结婚应当男女双方完全自愿，禁止任何一方对另一方加以强迫，禁止任何组织或者个人加以干涉。如果甲是在完全自愿的情况下同意结婚的，那么甲无法请求撤销婚姻。

综上所述，需要进一步了解甲同意结婚的具体情况，以及是否存在胁迫的情况。建议甲咨询专业律师，寻求专业的法律帮助。

Table 3: Case Study (Legal Consultation). See the English translations in Table 9 and Table 10.

References

- Stella Biderman, Hailey Schoelkopf, Quentin Anthony, Herbie Bradley, Kyle O’Brien, Eric Hallahan, Mohammad Aflah Khan, Shivanshu Purohit, USVSN Sai Prashanth, Edward Raff, Aviya Skowron, Lintang Sutawika, and Oskar van der Wal. 2023. [Pythia: A suite for analyzing large language models across training and scaling](#).
- Yonatan Bisk, Rowan Zellers, Ronan Le Bras, Jianfeng Gao, and Yejin Choi. 2020. Piqa: Reasoning about physical commonsense in natural language. In *Thirty-Fourth AAAI Conference on Artificial Intelligence*.
- Feida Chen. 2018. [The legal consultation data and corpus of the thesis from China law network](#). Replication Data for: Design and research of legal consultation text classification system.
- Wei-Lin Chiang, Zhuohan Li, Zi Lin, Ying Sheng, Zhanghao Wu, Hao Zhang, Lianmin Zheng, Siyuan Zhuang, Yonghao Zhuang, Joseph E. Gonzalez, Ion Stoica, and Eric P. Xing. 2023. [Vicuna: An open-source chatbot impressing gpt-4 with 90%* chatgpt quality](#).
- Yiming Cui, Ziqing Yang, and Xin Yao. 2023. [Efficient and effective text encoding for chinese llama and alpaca](#). *arXiv preprint arXiv:2304.08177*.
- Cyprien de Masson d’Autume, Sebastian Ruder, Lingpeng Kong, and Dani Yogatama. 2019. Episodic memory in lifelong language learning. In *Proceedings of the 33rd International Conference on Neural Information Processing Systems*, pages 13132–13141.
- William B. Dolan and Chris Brockett. 2005. [Automatically constructing a corpus of sentential paraphrases](#). In *Proceedings of the Third International Workshop on Paraphrasing (IWP2005)*.
- Zhengxiao Du, Yujie Qian, Xiao Liu, Ming Ding, Jiezhong Qiu, Zhilin Yang, and Jie Tang. 2022. [GLM: General language model pretraining with autoregressive blank infilling](#). In *Proceedings of the 60th Annual Meeting of the Association for Computational Linguistics (Volume 1: Long Papers)*, pages 320–335, Dublin, Ireland. Association for Computational Linguistics.
- Yunjie Ji, Yong Deng, Yan Gong, Yiping Peng, Qiang Niu, Lei Zhang, Baochang Ma, and Xiangang Li. 2023a. Exploring the impact of instruction data scaling on large language models: An empirical study on real-world use cases. *arXiv preprint arXiv:2303.14742*.
- Ziwei Ji, Nayeon Lee, Rita Frieske, Tiezheng Yu, Dan Su, Yan Xu, Etsuko Ishii, Ye Jin Bang, Andrea Madotto, and Pascale Fung. 2023b. [Survey of hallucination in natural language generation](#). *ACM Comput. Surv.*, 55(12).
- Jinhyuk Lee, Wonjin Yoon, Sungdong Kim, Donghyeon Kim, Sunkyu Kim, Chan Ho So, and Jaewoo Kang. 2019. [BioBERT: a pre-trained biomedical language representation model for biomedical text mining](#). *Bioinformatics*, 36(4):1234–1240.
- Yinhan Liu, Myle Ott, Naman Goyal, Jingfei Du, Mandar Joshi, Danqi Chen, Omer Levy, Mike Lewis, Luke Zettlemoyer, and Veselin Stoyanov. 2019. [RoBERTa: A robustly optimized BERT pretraining approach](#). *CoRR*, abs/1907.11692.
- Colin Raffel, Noam Shazeer, Adam Roberts, Katherine Lee, Sharan Narang, Michael Matena, Yanqi Zhou, Wei Li, and Peter J. Liu. 2020. [Exploring the limits of transfer learning with a unified text-to-text transformer](#). *Journal of Machine Learning Research*, 21(140):1–67.
- Richard Socher, Alex Perelygin, Jean Wu, Jason Chuang, Christopher D. Manning, Andrew Ng, and Christopher Potts. 2013. [Recursive deep models for semantic compositionality over a sentiment treebank](#). In *Proceedings of the 2013 Conference on Empirical Methods in Natural Language Processing*, pages 1631–1642, Seattle, Washington, USA. Association for Computational Linguistics.
- Kai Sun, Dian Yu, Dong Yu, and Claire Cardie. 2020. [Investigating prior knowledge for challenging Chinese machine reading comprehension](#). *Transactions of the Association for Computational Linguistics*, 8:141–155.
- Mingxu Tao, Yansong Feng, and Dongyan Zhao. 2023. [Can BERT refrain from forgetting on sequential tasks? a probing study](#). In *The Eleventh International Conference on Learning Representations*.
- Hugo Touvron, Thibaut Lavril, Gautier Izacard, Xavier Martinet, Marie-Anne Lachaux, Timothée Lacroix, Baptiste Rozière, Naman Goyal, Eric Hambro, Faisal Azhar, et al. 2023. Llama: Open and efficient foundation language models. *arXiv preprint arXiv:2302.13971*.
- Johannes Welbl, Nelson F. Liu, and Matt Gardner. 2017. [Crowdsourcing multiple choice science questions](#). In *Proceedings of the 3rd Workshop on Noisy User-generated Text*, pages 94–106, Copenhagen, Denmark. Association for Computational Linguistics.
- Liang Xu, Hai Hu, Xuanwei Zhang, Lu Li, Chenjie Cao, Yudong Li, Yechen Xu, Kai Sun, Dian Yu, Cong Yu, Yin Tian, Qianqian Dong, Weitang Liu, Bo Shi, Yiming Cui, Junyi Li, Jun Zeng, Rongzhao Wang, Weijian Xie, Yanting Li, Yina Patterson, Zuoyu Tian, Yiwen Zhang, He Zhou, Shaowei Hua Liu, Zhe Zhao, Qipeng Zhao, Cong Yue, Xinrui Zhang, Zhengliang Yang, Kyle Richardson, and Zhenzhong Lan. 2020a. [CLUE: A Chinese language understanding evaluation benchmark](#). In *Proceedings of the 28th International Conference on Computational*

Linguistics, pages 4762–4772, Barcelona, Spain (Online). International Committee on Computational Linguistics.

Liang Xu, Xuanwei Zhang, and Qianqian Dong. 2020b. [Cluecorpus2020: A large-scale chinese corpus for pre-training language model](#).

Sha Yuan, Hanyu Zhao, Zhengxiao Du, Ming Ding, Xiao Liu, Yukuo Cen, Xu Zou, Zhilin Yang, and Jie Tang. 2021. [Wudaocorpora: A super large-scale chinese corpora for pre-training language models](#). *AI Open*, 2:65–68.

Aohan Zeng, Xiao Liu, Zhengxiao Du, Zihan Wang, Hanyu Lai, Ming Ding, Zhuoyi Yang, Yifan Xu, Wendi Zheng, Xiao Xia, Weng Lam Tam, Zixuan Ma, Yufei Xue, Jidong Zhai, Wenguang Chen, Zhiyuan Liu, Peng Zhang, Yuxiao Dong, and Jie Tang. 2023. [GLM-130b: An open bilingual pre-trained model](#). In *The Eleventh International Conference on Learning Representations (ICLR)*.

Haoxi Zhong, Zhipeng Guo, Cunchao Tu, Chaojun Xiao, Zhiyuan Liu, and Maosong Sun. 2018. [Legal judgment prediction via topological learning](#). In *Proceedings of the 2018 Conference on Empirical Methods in Natural Language Processing*, pages 3540–3549, Brussels, Belgium. Association for Computational Linguistics.

Haoxi Zhong, Chaojun Xiao, Cunchao Tu, Tianyang Zhang, Zhiyuan Liu, and Maosong Sun. 2020a. [Jecqa: A legal-domain question answering dataset](#). In *Proceedings of AAAI*.

Huilin Zhong, Junsheng Zhou, Weiguang Qu, Yunfei Long, and Yanhui Gu. 2020b. [An element-aware multi-representation model for law article prediction](#). In *Proceedings of the 2020 Conference on Empirical Methods in Natural Language Processing (EMNLP)*, pages 6663–6668, Online. Association for Computational Linguistics.

A Details of Legal Classification Tasks

For the classification task of causes of action, we collect verdicts from the website of China Courts. The website pages provide full text and human-annotated cause of action for every public judgement document. A judgement document always contains three main parts, plaintiff allegation, defence, and verdict. In this work, we first keep all judgement documents of the civil first-instance, since such documents have a similar structure and their verdicts only contain the evidence verified by Court and the decrees.

Judgement documents of the civil second-instance are partly more complex, part of which might overrule decrees of the civil first-instance, while others support the civil first-instance. And the civil mediation documents always only contain a very simple sentence, *Mediated by this Court, both litigants agree to reconciliation* (经本院调解, 双方当事人一致同意撤诉). Therefore, these two kinds of judgement documents are not proper for classification tasks.

For the classification task about marriage (CAM), we select four kinds of causes of action, whose meanings have no overlapping to each other. To be detailed, we choose *dispute over family affairs and succession* (婚姻家庭、继承纠纷), *dispute over engagement property* (婚约财产纠纷), *dispute over property after divorce* (离婚后财产纠纷), and *dispute over a void marriage* (婚姻无效纠纷). We sample 4,875 verdicts from all judgement documents, whose text lengths are between 150 and 500 characters. Among them, 3,895 verdicts are examples of the training set, and the other 980 ones for the test set.

For the classification task about property (CAP), we use similar rules to sample 70,000 verdicts for training and 30,000 for testing. We select ten kinds of causes of action about property, which are all common causes that appear on the website of China Courts. Specifically, they are (1) *dispute over land contract in rural areas* (农村土地承包合同纠纷), (2) *dispute over a rural house purchase contract* (农村房屋买卖合同纠纷), (3) *dispute over a commodity house contract* (商品房销售合同纠纷), (4) *dispute over a house lease contract* (房屋租赁合同纠纷), (5) *dispute over ill-gotten gains* (不当得利纠纷), (6) *dispute over a small-sum loan contract* (小额借款合同纠纷), (7) *dispute over employment contract* (劳动合同纠纷), (8) *dispute over labour contract* (劳务合同纠纷), (9) *dispute over alimony* (抚养费纠纷), and

(10) *dispute over repayment of ancestor’s debts* (被继承人债务清偿纠纷).

It is also worth noting that the training sets are not used when evaluating the zero-shot performance of the model at every stage. The results in Table 1 are all based on the test set (if existing, otherwise the validation set).

B English Translations of Examples

We prove the English translations of the Chinese examples in the tables and figures.

Question A

What is the legal age for marriage in China?

BELLE

In mainland China, the legal age for marriage is 18 years old.

Lawyer LLaMA

According to Article 1047 of the Civil Code, in China, the legal age for men to get married is 22 years old, and for women, it is 20 years old. In other words, in China, if you are male, you must be at least 22 years old to legally marry, and if you are female, you must be at least 20 years old to legally marry.

Question B

Reference Article: Article 1082 of the Civil Code states that during the period of pregnancy, within one year after childbirth, or within six months after the termination of pregnancy, the man cannot initiate a divorce. However, this does not apply if the woman initiates the divorce or if the people’s court deems it necessary to accept the man’s divorce request.

I have a 6-month-old baby, and my husband wants to divorce me. What should I do?

BELLE

This means that your husband’s request may need to be considered by the court to determine whether it is necessary to accept. You can consult a lawyer to understand your rights and obligations, as well as how best to handle this situation.

Lawyer LLaMA

Hello, according to the provisions of the Civil Code, if you are within one year after giving birth, your husband cannot unilaterally file for divorce. However, if you want to divorce yourself, or if the court deems it necessary to accept your husband’s divorce request, then divorce is possible. If both you and your husband are willing to divorce, you need to sign a written divorce agreement and personally apply for divorce registration at the marriage registration office. The divorce agreement should state the mutual consent to divorce and consensus on matters such as child custody, property division, and debt settlement. Do you need further information on child custody, property division, or any other related matters?

Figure 4: The English translation of Figure 1.

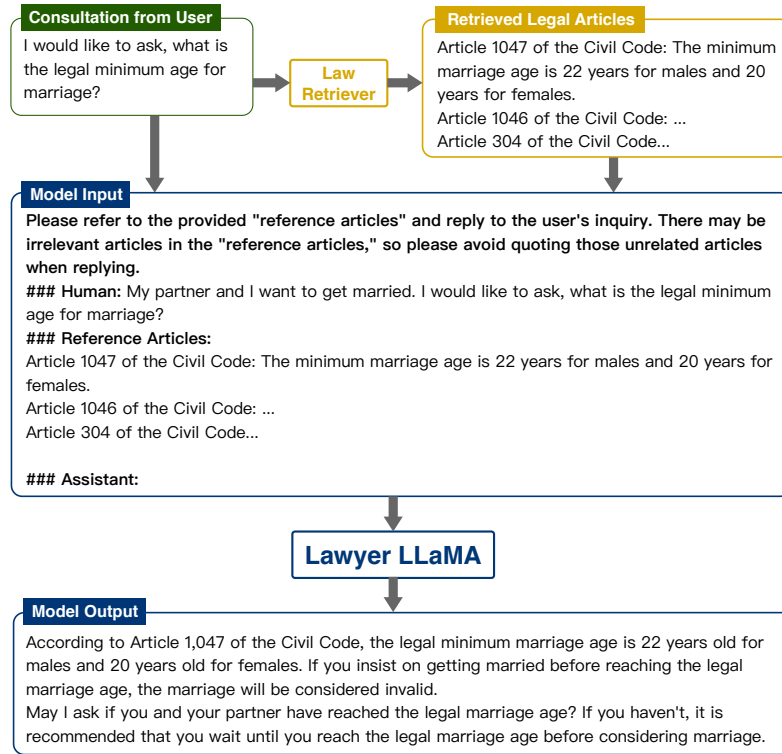


Figure 5: The English translation of Figure 2.

Question: 关于交通肇事罪与其他犯罪关系的论述，下列选项是正确的吗？丁酒后驾驶交通肇事后，继续驾车到处冲撞，造成五死九伤，应定交通肇事罪。

Response: 根据《中华人民共和国刑法》规定，醉酒后驾驶机动车辆，发生重大交通事故，构成交通肇事罪。丁酒后驾驶发生交通事故，已经构成交通肇事罪。但是，丁继续驾车到处冲撞，造成五死九伤，已经超出了交通肇事罪的范畴，应当认定为危害公共安全罪。因此，丁应当被定罪为危害公共安全罪，而不是交通肇事罪。

Question: Is the following statement about the relationship between the crime of traffic accident and other crimes correct? After Bob drove under the influence of alcohol and caused a traffic accident, he continued driving and crashed into various places, resulting in five deaths and nine injuries. He should be charged with the crime of traffic accident.

Response: According to the provisions of the Criminal Law of the People's Republic of China, driving a motor vehicle under the influence of alcohol and causing a serious traffic accident constitutes the crime of traffic accident. After driving under the influence, Bob caused a traffic accident, which has already constituted the crime of traffic accident. However, Bob continued to drive and collided everywhere, resulting in five deaths and nine injuries, which goes beyond the scope of the crime of traffic accident and should be identified as the crime of endangering public safety. Therefore, Bob should be convicted of the crime of endangering public safety instead of the crime of traffic accident.

Table 4: The English translation of the example in Section 2.2.

Question: 我和我对象想结婚，我想问一下，结婚的法定婚龄是几岁啊？

Response: 根据《中华人民共和国婚姻法》规定，男女结婚的法定婚龄为男满22周岁，女满20周岁。未达到法定婚龄的人不得结婚。但有特殊情况的可以提前结婚，需要得到父母或者监护人的书面同意，并经当地婚姻登记机关审查批准。

Question: I would like to ask, what is the legal minimum age for marriage?

Response: According to the Marriage Law of the People's Republic of China, the legal minimum age for marriage is 22 years for men and 20 years for women. Individuals who have not reached the legal minimum age are not allowed to get married. However, under special circumstances, it is possible to marry before reaching the legal minimum age with the written consent of parents or guardians, and approval from the local marriage registration authority after examination.

Table 5: The English translation of the one-turn legal consultation in Section 2.3.

Client: 我和我对象想结婚，我想问一下，结婚的法定婚龄是几岁啊？

Lawyer: 根据《中华人民共和国婚姻法》规定，男女结婚的法定婚龄为男满22周岁，女满20周岁。未达到法定婚龄的人不得结婚。但有特殊情况的可以提前结婚，需要得到父母或者监护人的书面同意，并经当地婚姻登记机关审查批准。

Client: 我知道，听别人说婚姻需要提前办理一些手续，那我需要准备哪些证件和资料呢？是否需要提前办理健康检查和体检？

Lawyer: 是的，婚姻登记需要您准备一些证件和资料，包括：...

Client: I would like to ask, what is the legal minimum age for marriage?

Lawyer: According to the Marriage Law of the People's Republic of China, the legal minimum age for marriage is 22 years for men and 20 years for women. Individuals who have not reached the legal minimum age are not allowed to get married. However, under special circumstances, it is possible to marry before reaching the legal minimum age with the written consent of parents or guardians, and approval from the local marriage registration authority after examination.

Client: I know that I have to go through some procedures in advance for marriage. What documents and materials do I need to prepare? Do I need to arrange a health check and physical examination in advance?

Lawyer: Yes, marriage registration requires you to prepare some documents and information, including ...

Table 6: The English translation of the multi-turn legal consultation in Section 2.3.

Related Articles: 《民法典》第一千零四十七条：结婚年龄，男不得早于二十二周岁，女不得早于二十周岁。《民法典》第一千零四十六条：结婚应当男女双方完全自愿，禁止任何一方对另一方加以强迫，禁止任何组织或者个人加以干涉。《民法典》第三百零四条：共有人可以协商确定分割方式。达不成协议...

Client: 我和我对象想结婚，我想问一下，结婚的法定婚龄是几岁啊？

Lawyer: 根据《民法典》第一千零四十七条规定，结婚的法定婚龄为男不得早于22周岁，女不得早于20周岁。如果未到法定结婚年龄而坚持结婚，将被认定为无效婚姻。请问您和您的对象的年龄是否已达到法定婚龄？如果未达到，建议您等待至法定婚龄再考虑结婚的问题。

Client: 我们都满足法定结婚年龄了，但是我们的家长反对，他们说我们还太年轻，不应该急于结婚，你怎么看？

Lawyer: 根据《民法典》第一千零四十六条规定，结婚应当男女双方完全自愿，禁止任何一方对另一方加以强迫，禁止任何组织或者个人加以干涉。因此，如果您和您的对象完全自愿并且已达到法定结婚年龄，您可以合法结婚，即使家长反对。当然，作为尊重家长、保持良好亲情关系的一种方式，可以尝试与家长沟通，了解其反对的原因，并考虑如何解决其关注的问题。如果家长反对并不合理，您和您的对象有权利自主决定。

Related Articles: Article 1,047 of the Civil Code: The minimum marriage age is twenty-two years for men and twenty years for women. Article 1,046 of the Civil Code: Marriage shall be based on the complete voluntary will of both men and women. It is prohibited for either party to coerce the other, and any interference by any organization or individual is also prohibited. Article 304 of the Civil Code: Co-owners may negotiate and determine the method of partition. If no agreement can be reached...

Client: I would like to ask, what is the legal minimum age for marriage?

Lawyer: According to Article 1,047 of the Civil Code, the legal marriageable age is a minimum of 22 years old for males and 20 years old for females. If individuals insist on getting married before reaching the legal marriageable age, the marriage will be deemed void. May I ask if both you and your partner have reached the legal marriageable age? If not, I would suggest waiting until you reach the legal marriageable age before considering marriage.

Client: We both meet the legal marriage age requirement, but our parents are against it. They say we're still too young and shouldn't rush into marriage. What do you think?

Lawyer: According to Article 1,046 of the Civil Code, marriage should be based on the full and voluntary consent of both parties, and it is prohibited to coerce either party or for any organization or individual to interfere. Therefore, if you and your partner are fully willing and have reached the legal marriageable age, you can legally get married, even if your parents are against it. However, as a way to respect your parents and maintain a good relationship with them, you can try to communicate with them, understand their reasons for opposition, and consider how to address their concerns. If their opposition is unreasonable, you and your partner have the right to make an autonomous decision.

Table 7: The English translation of the retrieval augmented legal consultation in Section 2.3.

Question 1: What is community property?

BELLE: Community property refers to any property acquired by a married couple during their marital relationship, including but not limited to wages, bonuses, stocks, real estate, and so on.

ChatGLM: Community property refers to the property accumulated jointly by both parties during the marriage, including the jointly owned house, jointly owned assets, income such as wages and bonuses paid jointly, as well as jointly debt, etc.

According to Chinese law, community property refers to the property accumulated jointly by both parties during the marriage, unless otherwise agreed upon. Upon divorce, the community property of husband and wife should be divided equally.

The proportion of division of community property is determined through negotiation between the husband and wife. If no agreement can be reached, the following proportions shall be applied: (1) The proportion of property acquired by the wife should be lower than that of the husband; (2) The proportion of property acquired by the wife should be lower than the proportion of property acquired by the husband; ...

Lawyer LLaMA: Community property refers to the wages, bonuses, remuneration for labor, proceeds from production, operation, investment, and intellectual property rights, as well as property acquired through inheritance or gift during the existence of the marriage, and other property that should be jointly owned. According to Article 1062 of the Civil Code, the community property of a husband and wife belongs to both of them jointly, and they have equal rights to deal with the community property. Therefore, the community property of a husband and wife is jointly owned by both parties, and both husband and wife have the right to enjoy and manage it.

Question 2: What is the difference between divorce and void marriage?

BELLE: The difference between divorce and void marriage lies in the fact that divorce refers to the termination of a marital relationship, while a void marriage refers to a marital relationship that never existed.

ChatGLM: Divorce and void marriage refer to two different states within the institution of marriage.

Divorce signifies that the marital relationship has become void or has been revoked, and both parties can terminate the marriage through legal procedures. The effectiveness of divorce depends on the reasons for the marriage's invalidity. If the marriage is deemed void due to a lack of affection between the parties or a failure to comply with legal requirements, then the divorce is considered valid. However, if the marriage is void due to inherent issues such as violating law articles or lacking affection, then the divorce is considered void.

On the other hand, a void marriage refers to a marital relationship that has not been legally established or has inherent defects despite being legally recognized. The effectiveness of a void marriage also depends on the reasons for its invalidity. If the marriage is deemed void due to a lack of affection between the parties or a failure to comply with legal requirements, then the marriage is considered void. However, if the marriage is void due to inherent issues such as violating law articles or lacking affection, then the marriage is considered void.

Therefore, the difference between divorce and a void marriage lies in the reasons for the marriage's invalidity and its effectiveness. Divorce signifies that the marital relationship has become void or has been revoked, whereas a void marriage refers to a marital relationship that has not been legally established or has inherent defects despite being legally recognized.

Lawyer LLaMA: Divorce and void marriage are two different situations. Divorce refers to the voluntary termination of the marital relationship by both parties, while a void marriage refers to a situation where the marital relationship was not established from the beginning or has been deemed void under certain circumstances.

According to Article 1051 of the Civil Code, a marriage will be considered void if any of the following circumstances exist: bigamy, prohibited kinship, or failure to meet the legal marriage age requirement. If a marriage is declared void, the spouses do not possess the rights and obligations of a married couple, and the issue of divorce does not arise.

Regarding the property division of a void marriage, as stipulated in Article 1054 of the Civil Code, a void or revoked marriage has no legal binding force from the beginning. The property acquired during cohabitation is to be handled by the parties through an agreement. In case of failure to reach an agreement, the People's Court will make a judgment based on the principle of taking care of the innocent party. Furthermore, the property division in cases of void marriage resulting from bigamy must not infringe upon the property rights and interests of the parties in lawful marriage.

In addition, Article 1063 of the Civil Code defines the scope of joint property and personal property for spouses, with one party's premarital property classified as personal property. Therefore, if a marriage is deemed void, the premarital property of both spouses remains individually owned.

In conclusion, divorce and void marriage are two different situations that require judgment based on specific circumstances. If you need further understanding of related legal issues, it is recommended to consult a professional

Table 8: The English translations of the questions in Table 2.

Question 1: Mr. Xu (male) and Ms. Li (female) have a son (1 and a half years old) and a daughter (8 years old) after their marriage. They are planning to get a divorce and both want to fight for custody of the children. Mr. Xu is in a better financial condition, with a salary several times higher than Ms. Li's, and he believes he has the upper hand. Although Ms. Li's income is not high, their daughter prefers to live with her.

BELLE: Okay, based on the information you provided, Mr. Xu and Ms. Li are preparing for a divorce, and both of them want to fight for custody of their child. Mr. Xu is in a better financial condition, with a salary several times higher than Ms. Li's, and he believes he has the upper hand. However, although Ms. Li has a lower income, their daughter prefers to live with her.

First, we need to understand that in divorce cases in China, the custody of the child is usually determined by the court. The court takes into account factors such as the child's age, gender, parents' financial condition, parents' behavior, and conflicts between the parents to make a decision.

In this case, Mr. Xu has a better financial condition, but their daughter prefers to live with Ms. Li. This means that if Mr. Xu can prove that he can provide better living conditions, the court may grant him custody of the child.

However, if Ms. Li can prove that she can provide a better family environment, the court may grant her custody of the child.

Therefore, in this case, the court may consider multiple factors to make a decision, and the child's preference is just one of them.

ChatGLM: This case involves the issue of child custody and requires considering multiple factors to make a decision. Here are some analysis and recommendations:

1. Child's age and needs: Children have different needs and characteristics at different stages of their lives. A one-and-a-half-year-old child typically requires attention to their daily life, such as diet, sleep, and safety. An eight-year-old child has entered adolescence and requires more attention and support to help them develop social skills and emotional well-being. Therefore, the allocation of custody needs to consider the child's needs and age.

2. Parental differences: The income and occupational background differences between Xu and Li may impact the custody decision. However, more importantly, the child should be raised by the person who is best suited for them. Therefore, it is necessary to compare factors such as personalities, habits, parenting styles, and family environment to determine who is more suitable for raising the child.

3. Child's wishes: Although Li's daughter may prefer to live with her, it does not necessarily mean the child would agree to live with Xu. Therefore, the allocation of custody needs to consider the child's wishes and preferences. If the child is willing to live with Li, it may be more beneficial for the child's healthy development.

4. Legal factors: According to Chinese law, the custody of a child should be decided based on what is in the best interest of the child's growth. This means that Xu's financial situation may influence the custody decision. However, the final decision should be based on legal procedures rather than personal opinions.

Considering the above factors, if Xu has a better financial situation and the child is more willing to live with Li, Li may be granted custody of the child. However, the final outcome should be determined through legal procedures. Therefore, it is recommended that both parties engage in communication and negotiation within the legal framework to reach the best possible solution.

Lawyer LLaMA: According to the provisions of the Marriage Law of the People's Republic of China, the judgment of child custody should be based on the best interests of the minor children, taking into account the parents' economic conditions, physical health, family environment, and other factors, and ultimately determining the custodian. Therefore, in this case, the court will consider the parties' economic ability, working hours, living environment, and other factors to determine the issue of child custody.

Firstly, Xu has a good financial condition and a higher income, which can provide better material conditions for the child's upbringing. However, if Li can prove that she has a better ability to take care of the child or that the child's physical and mental health needs to be taken care of by her, she may also obtain custody.

Secondly, the daughter is older, already eight years old, and her wishes should also be taken into consideration. If the daughter expresses a willingness to live with her mother, the court will also take this factor into account.

In conclusion, in this case, the court will comprehensively consider the parties' economic ability, caregiving ability, the daughter's wishes, and other factors in determining the issue of child custody. It is recommended that both parties actively communicate and negotiate, try to reach a consensus, and protect their legitimate rights and interests through legal procedures.

Table 9: The English translation of the first example in Table 3.

Question 2: A 21-year-old woman, referred to as Alice, developed a liking for a 25-year-old man, referred to as Bob, after chatting online. Bob saved the private photos sent by Alice. Later, Bob asked Alice to marry him, but she refused. Bob threatened to publish her photos, so Alice reluctantly agreed to marry him and completed the registration. Can Alice request to dissolve the marriage within one year from the date of marriage registration?

BELLE: According to the Marriage Law of the People’s Republic of China, after one year of marriage registration, both parties can apply for a divorce, but certain conditions need to be met. Therefore, Party A can apply for a divorce after one year of marriage registration.

ChatGLM: According to the provisions of the Chinese Marriage Law, a marital relationship exists from the beginning of the marriage and cannot be terminated without legal procedures. The reasons for the invalidity of marriage are as follows: (1) bigamy; (2) marriage void due to a disease that prohibits marriage; (3) marriage void due to coercion; (4) marriage void due to lack of emotional attachment from the beginning; (5) marriage void due to fraud. void marriages can be revoked according to the law. Party A can file a lawsuit to revoke the marriage within one year from the date of marriage registration with the local People’s Court.

Lawyer LLaMA: According to Article 1,052 of the Civil Code, if a marriage is contracted under coercion, the coerced party may request the court to revoke the marriage. Therefore, if Party A agreed to marry under coercion, Party A can request the court to revoke the marriage within one year from the date of marriage registration. However, it is necessary to further understand whether there was coercion, as well as the methods and means of coercion. Furthermore, according to Article 1,046 of the Civil Code, marriage should be based on the full voluntary will of both parties, and it is prohibited for either party to coerce the other or for any organization or individual to interfere. If Party A agreed to marry under full voluntary will, Party A cannot request the revocation of the marriage. In conclusion, it is necessary to further understand the specific circumstances of Party A’s agreement to marry and whether there was coercion. It is advised that Party A consults a professional lawyer to seek specialized legal assistance.

Table 10: The English translation of the second example in Table 3.