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A Appendix

A.1 HC3 Dataset Splits Creation

We create 5 and 7 splits for HC3 English and Chinese, respectively. Most of the data come from the publicly available Question-Answering (QA) datasets, where details are listed in the following. For these QA data, we directly input the questions to ChatGPT and collect at least one answer.

We also crawled some wiki concepts and explanations from Wikipedia and BaiduBaike, where explanations are treated as human expert answers and concepts are used to construct the questions, details ref to bellow paragraphs.

For HC3-English, we create five dataset splits:

1. `reddit_el15`. Sampled from the ELI5 dataset [10].
2. `open_qa`. Sampled from the WikiQA dataset [39].
3. `wiki_csai`. We collected the descriptions of hundreds of computer science-related concepts from Wikipedia¹³ as the human experts’ answers to questions like "Please explain what is <concept>?"
4. `medicine`. Sampled from the Medical Dialog dataset [6].
5. `finance`. Sampled from the FiQA dataset [23], which is built by crawling StackExchange¹⁴ posts under the Investment topic.

For HC3-Chinese, we create seven dataset splits:

1. `open_qa`. Sampled from the WebTextQA and BaikaQA corpus in [38].
2. `baike`. We collected the descriptions of more than a thousand information science-related concepts from BaiduBaike¹⁵ as the human experts’ answers to questions like "我有一个计算机相关的问题，请用中文回答，什么是<concept>"
3. `nlpcc_dbqa`. Sampled from the NLPCC-DBQA dataset [8].
4. `medicine`. Sampled from the Medical Dialog dataset [6].
5. `finance`. Sampled from the FinanceZhidao dataset [31].

¹³<https://www.wikipedia.org/>

¹⁴<https://stackexchange.com/>

¹⁵<https://baike.baidu.com/>

